



Agenda Item 13A

MEMORANDUM

DATE	July 13, 2007
TO	Members, Division of Licensing
FROM	<i>6a</i> Gary Qualset, Chief Division of Licensing
SUBJECT	Recognition of International Medical School Program Jagiellonian University Medical College (English Program) – Krakow, Poland

ISSUE

Should the Division of Licensing (Division):

1) require a site visit to be conducted in order to evaluate the accuracy and completeness of the data provided by the Jagiellonian University Medical College (institution) in its application for recognition of its English Programs and to determine compliance with the regulation for recognition of its medical education programs' equivalency with California's code requirements for curriculum and clinical instruction, and

2) deem the institution's English Programs equivalent to the code requirements of Business and Professions Code sections 2089 and 2089.5 and Title 16, California Code of Regulations (CCR), section 1314.1 and grant recognition to them for the medical school?

BACKGROUND

Jagiellonian University Medical College in Krakow, Poland founded its Polish-language medical school in 1364. In 1994, the institution began to operate a four-year medical education program for non-citizens using English as the language of instruction. A six-year English-language program is also available for applicants who have not completed the postsecondary pre-medical coursework to enter medical school.

The Division presently recognizes Jagiellonian University Medical College's Polish-language medical school whose primary purpose is to educate its own citizens to practice medicine in Poland. This would be the Division's first recognition of an English-language program in Poland. Currently, the Division recognizes five other English programs, four in Hungary and one in the Czech Republic.

In accordance with Title 16, CCR, subsection (c) of section 1314.1, the Jagiellonian University Medical College in Krakow, Poland has requested that its English Programs for foreign national students be recognized by the Division. Additionally, subsection (a)(2) of section 1314.1 requires the institution to meet the standards set forth in subsection (b) of section 1314.1. Copies of Business and Professions Code sections 2089 and 2089.5 and Title 16, CCR, section 1314.1 are attached for your reference.

The institution submitted a Self Assessment Report to the Division on October 17, 2005, and a supplemental response on April 12, 2007. These items were forwarded to our Medical Consultant, Harold J. Simon, M.D, Ph.D., at the University of California, San Diego (UCSD) for review. Dr. Simon is an expert medical education consultant and professor at the UCSD School of Medicine, Division of International Health and Cross-Cultural Medicine. Dr. Simon completed a two-part evaluation of the institutions Self Assessment Report and the data provided by the institution in support thereof. Dr. Simon's reports outlining his findings and recommendations are attached for your review. In his first report dated July 5, 2006, Dr. Simon requested the institution to provide outcome measures data, such as their students' USMLE pass rates and success in entering postgraduate training programs, among other things. Institution officials addressed all questions and requests for additional information satisfactorily, as Dr. Simon describes in his second report dated May 3, 2007.

RECOMMENDATION

Our Medical Consultant, Dr. Simon, and Division staff recommend that:

- 1) the Division determine that a site visit is not deemed necessary based upon the institution's comprehensive responses submitted with its Self Assessment Report and the additional reasons pointed out in Dr. Simon's recommendations, and
- 2) the Division grant recognition to Jagiellonian University Medical College English Programs and the recognition be retroactive to the date of inception of the programs in 1994.

If you have any questions about this agenda item, please contact me at (916) 263-2365.

Attachments:

Business and Professions Code section 2089
Business and Professions Code section 2089.5
Title 16, California Code of Regulations, section 1314.1
Dr. Simon, Medical Consultant Report Dated July 5, 2006
Dr. Simon, Medical Consultant Report Dated May 3, 2007
Dr. Simon, Medical Consultant Letter Dated June 26, 2007

Business and Professions Code
Division 2 – Healing Arts, Chapter 5 – Medicine
Article 4 – Requirements for Licensure
Sections 2089 and 2089.5

Section 2089 – Proof of Completion of Medical Curriculum; Curriculum Requirements

2089. (a) Each applicant for a physician's and surgeon's certificate shall show by official transcript or other official evidence satisfactory to the Division of Licensing that he or she has successfully completed a medical curriculum extending over a period of at least four academic years, or 32 months of actual instruction, in a medical school or schools located in the United States or Canada approved by the division, or in a medical school or schools located outside the United States or Canada which otherwise meets the requirements of this section. The total number of hours of all courses shall consist of a minimum of 4,000 hours. At least 80 percent of actual attendance shall be required. If an applicant has matriculated in more than one medical school, the applicant must have matriculated in the medical school awarding the degree of doctor of medicine or its equivalent for at least the last full academic year of medical education received prior to the granting of the degree.

(b) The curriculum for all applicants shall provide for adequate instruction in the following subjects:

- Alcoholism and other chemical substance dependency, detection and treatment.
- Anatomy, including embryology, histology, and neuroanatomy.
- Anesthesia.
- Biochemistry.
- Child abuse detection and treatment.
- Dermatology.
- Geriatric medicine.
- Human sexuality.
- Medicine, including pediatrics.
- Neurology.
- Obstetrics and gynecology.
- Ophthalmology.
- Otolaryngology.
- Pain management and end-of-life care.
- Pathology, bacteriology, and immunology.
- Pharmacology.
- Physical medicine.
- Physiology.
- Preventive medicine, including nutrition.
- Psychiatry.
- Radiology, including radiation safety.
- Spousal or partner abuse detection and treatment.
- Surgery, including orthopedic surgery.
- Therapeutics.
- Tropical medicine.
- Urology.

Business and Professions Code
Division 2 – Healing Arts, Chapter 5 – Medicine
Article 4 – Requirements for Licensure
Sections 2089 and 2089.5

(c) The requirement that an applicant successfully complete a medical curriculum that provides instruction in pain management and end-of-life care shall only apply to a person entering medical school on or after June 1, 2000.

Section 2089.5 – Clinical Instruction; Affiliation Requirements

2089.5. (a) Clinical instruction in the subjects listed in subdivision (b) of Section 2089 shall meet the requirements of this section and shall be considered adequate if the requirements of subdivision (a) of Section 2089 and the requirements of this section are satisfied.

(b) Instruction in the clinical courses shall total a minimum of 72 weeks in length.

(c) Instruction in the core clinical courses of surgery, medicine, family medicine, pediatrics, obstetrics and gynecology, and psychiatry shall total a minimum of 40 weeks in length with a minimum of eight weeks instruction in surgery, eight weeks in medicine, six weeks in pediatrics, six weeks in obstetrics and gynecology, a minimum of four weeks in family medicine, and four weeks in psychiatry.

(d) Of the instruction required by subdivision (b), including all of the instruction required by subdivision (c), 54 weeks shall be performed in a hospital that sponsors the instruction and shall meet one of the following:

- (1) Is a formal part of the medical school or school of osteopathic medicine.
- (2) Has an approved residency program in family practice or in the clinical area of the instruction for which credit is being sought.
- (3) Is formally affiliated with an approved medical school or school of osteopathic medicine located in the United States or Canada. If the affiliation is limited in nature, credit shall be given only in the subject areas covered by the affiliation agreement.
- (4) Is formally affiliated with a medical school or a school of osteopathic medicine located outside the United States or Canada.

(e) If the institution, specified in subdivision (d), is formally affiliated with a medical school or a school of osteopathic medicine located outside the United States or Canada, it shall meet the following:

- (1) The formal affiliation shall be documented by a written contract detailing the relationship between the medical school, or a school of osteopathic medicine, and hospital and the responsibilities of each.
- (2) The school and hospital shall provide to the division a description of the clinical program. The description shall be in sufficient detail to enable the division to determine whether or not the program provides students an adequate medical education. The division shall approve the program if it determines that the program provides an adequate medical education. If the division does not approve the program, it shall

Business and Professions Code
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Sections 2089 and 2089.5

provide its reasons for disapproval to the school and hospital in writing specifying its findings about each aspect of the program that it considers to be deficient and the changes required to obtain approval.

(3) The hospital, if located in the United States, shall be accredited by the Joint Commission on Accreditation of Hospitals, and if located in another country, shall be accredited in accordance with the law of that country.

(4) The clinical instruction shall be supervised by a full-time director of medical education, and the head of the department for each core clinical course shall hold a full-time faculty appointment of the medical school or school of osteopathic medicine and shall be board certified or eligible, or have an equivalent credential in that specialty area appropriate to the country in which the hospital is located.

(5) The clinical instruction shall be conducted pursuant to a written program of instruction provided by the school.

(6) The school shall supervise the implementation of the program on a regular basis, documenting the level and extent of its supervision.

(7) The hospital-based faculty shall evaluate each student on a regular basis and shall document the completion of each aspect of the program for each student.

(8) The hospital shall ensure a minimum daily census adequate to meet the instructional needs of the number of students enrolled in each course area of clinical instruction, but not less than 15 patients in each course area of clinical instruction.

(9) The division, in reviewing the application of a foreign medical graduate, may require the applicant to submit a description of the clinical program, if the division has not previously approved the program, and may require the applicant to submit documentation to demonstrate that the applicant's clinical training met the requirements of this subdivision.

(10) The medical school or school of osteopathic medicine shall bear the reasonable cost of any site inspection by the division or its agents necessary to determine whether the clinical program offered is in compliance with this subdivision.

TITLE 16. PROFESSIONAL AND VOCATIONAL REGULATIONS
DIVISION 13. MEDICAL BOARD OF CALIFORNIA
CHAPTER 1. DIVISION OF LICENSING
ARTICLE 4. SCHOOLS AND COLLEGES OF MEDICINE

1314.1. International Medical Schools.

(a) For purposes of Article 5 of Chapter 5 of Division 2 of the code (commencing with Section 2100), a medical school's resident course of instruction that leads to an M.D. degree shall be deemed equivalent to that required by Sections 2089 and 2089.5 of the code if the medical school offers the curriculum and clinical instruction described in those sections and meets one of the following:

- (1) The medical school is owned and operated by the government of the country in which it is located, the country is a member of the Organization for Economic Cooperation and Development, and medical school's primary purpose is educating its own citizens to practice medicine in that country; or
- (2) the medical school is chartered by the jurisdiction in which it is domiciled and meets the standards set forth in subsection (b) below.

(b)(1) Mission and Objectives.

The institution shall have a clearly stated written purpose or mission statement and objectives that include:

- (A) The institution's broad expectations concerning the education students will receive;
 - (B) The role of research as an integral component of its mission, including the importance, nature, objectives, processes and evaluation of research in medical education and practice; and
 - (C) Teaching, patient care, and service to the community.
- The institution shall have institutional objectives that are consistent with preparing graduates to provide competent medical care.

(2) Organization.

The institution shall be organized as a definable academic unit responsible for a resident educational program that leads to the M.D. degree. The manner in which the institution is organized shall be set forth in writing.

(3) Curriculum.

The structure and content of the educational program shall provide an adequate foundation in the basic and clinical sciences and shall enable students to learn the fundamental principles of medicine, to acquire critical judgment skills, and to use those principles and skills to provide competent medical care.

(4) Governance.

The administrative and governance system shall allow the institution to accomplish its

objectives (i.e. its statements of the items of knowledge, skills, behavior and attitude that students are expected to learn). An institution's governance shall give faculty a formal role in the institution's decision-making process. A student enrolled in the program shall not serve as an instructor, administrator, officer or director of the school.

(5) Faculty.

The faculty shall be qualified and sufficient in number to achieve the objectives of the institution. A "qualified" faculty member is a person who possesses either a credential generally recognized in the field of instruction or a degree, professional license, or credential at least equivalent to the level of instruction being taught or evaluated. The institution shall have a formal ongoing faculty development process that will enable it to fulfill its mission and objectives.

(6) Admission and promotion standards.

The institution shall have and adhere to standards governing admission requirements and student selection and promotion that are consistent with the institution's mission and objectives.

(7) Financial Resources.

The institution shall possess sufficient financial resources to accomplish its mission and objectives.

(8) Facilities.

The institution shall have, or have access to, facilities, laboratories, equipment and library resources that are sufficient to support the educational programs offered by the institution and to enable it to fulfill its mission and objectives. If an institution utilizes affiliated institutions to provide clinical instruction, the institution shall be fully responsible for the conduct and quality of the educational program at those affiliated institutions.

(9) Quality Assurance System.

If the institution provides patient care, it shall have a formal system of quality assurance for its patient care program.

(10) Records.

The institution shall maintain and make available for inspection any records that relate to the institution's compliance with this section for at least five years, except, however, that student transcripts shall be retained indefinitely.

(11) Branch Campuses.

An institution with more than one campus shall have written policies and procedures

governing the division and sharing of administrative and teaching responsibilities between the central administration and faculty, and the administration and faculty at the other locations. These policies shall be consistent with the institution's mission and objectives. The institution shall be fully responsible for the conduct and quality of the educational program at these sites. If an institution operates a branch campus located within the United States or Canada, instruction received at that branch campus shall be deemed to be instruction received and evaluated at that institution. For purposes of this section, the term "branch campus" means a site other than the main location of the institution but does not include any hospital at which only clinical instruction is provided.

(c) The division may, on its own or at the request of an institution, determine whether that institution meets the requirements of subsections (a) and (b). The division shall have the sole discretion to determine whether a site visit is necessary in order to verify the accuracy and completeness of the data provided and to conduct an in-depth review of the program to determine whether the institution is in compliance with this regulation.

(d) An institution's failure to provide requested data regarding its educational program or to cooperate with a site team shall be grounds for disapproval of its educational program.

(e) If the division determines that a site visit is necessary, it shall appoint a site inspection team to conduct a comprehensive, qualitative onsite inspection and review of all aspects of the institution's operations to determine whether the institution complies with the requirements of subsections (a) and (b).

The fee for a site visit is all reasonable costs incurred by the board staff and the site team, payable in estimated form in advance of the site visit. If the cost of the site visit exceeds the amount previously paid, the board shall bill the institution for the remaining amount and shall not take action to determine the institution's equivalency until such time as the full amount has been paid. If the amount paid exceeds the actual costs incurred, the board shall remit the difference to the institution within 60 days.

The site team shall prepare and submit to the division a report that includes

- (1) Its findings regarding the institution's compliance with the requirements of the law and this regulation;
- (2) Its assessment of the quality of the institution as a whole and the quality of the institution's educational program, including any deficiencies; and
- (3) Its recommendation whether or not the institution's resident course of instruction leading to an M.D. degree should be deemed equivalent to that required by Sections 2089 and 2089.5 of the code, including a recommendation regarding the correction of any deficiencies identified in the report. A copy of the report shall be provided to the institution, which shall have 60 days following the date of the report in which to respond to board staff as to any errors of fact or erroneous findings.

(f) If an institution wishes to retain the division's determination that its resident course of instruction leading to an M.D. degree is equivalent to that required by Sections 2089 and 2089.5 of the code, or if it is currently being evaluated for such equivalency, it shall do the following:

(1) It shall notify the division in writing no later than 30 days after making any change in the following:

- (A) Location;
- (B) Mission, purposes or objectives;
- (C) Change of name;
- (D) Any change in curriculum or other circumstance that would affect the institution's compliance with subsections (a) and (b).
- (E) Shift or change in control. A "shift or change in control" means any change in the power or authority to manage, direct or influence the conduct, policies, and affairs of the institution from one person or group of people to another person or group of people, but does not include the replacement of an individual administrator with another natural person if the owner does not transfer any interest in, or relinquish any control of, the institution to that person.

(2) Every seven years, it shall submit documentation sufficient to establish that it remains in compliance with the requirements of this section and of Sections 2089 and 2089.5 of the code.

(g) The documentation submitted pursuant to subsection (f)(2) shall be reviewed by the division or its designee to determine whether the institution remains in compliance with the requirements of these regulations and of Sections 2089 and 2089.5 of the code.

(h) The division may at any time withdraw its determination of equivalence when an institution is no longer in compliance with this section. Prior to withdrawing its determination of equivalence, the division shall send the institution a written notice of its intent to withdraw its determination of equivalence, identifying those deficiencies upon which it is proposing to base the withdrawal and giving the institution 120 days from the date of the notice within which to respond to the notice. The division shall have the sole discretion to determine whether a site visit is necessary in order to ascertain the institution's compliance with this section. The division shall notify the institution in writing of its decision and the basis for that decision.

(i) The division may evaluate any institution described in subsection (a)(1) to determine its continued compliance with Sections 2089 and 2089.5 of the code if, in its sole discretion, the division has reason to believe that the institution may no longer be in compliance.

Note: Authority cited: Section 2018, Business and Professions Code. Reference: Sections 2018, 2089, 2089.5, 2102 and 2103, Business and Professions Code.

HISTORY

1. New section filed 11-13-2003; operative 12-13-2003 (Register 2003, No. 46).



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SCHOOL OF MEDICINE
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July 5, 2006

To: Division of Licensing
Medical Board of California

Attn: Ms Pat Park, Associate Analyst
Licensing Program

From: Harold J. Simon, M.D., Ph.D.

Subject: Review of and Comments on Documents Provided
by the JAGIELLONIAN UNIVERSITY COLLEGIUM MEDICUM
(JUCM) - SCHOOL OF MEDICINE IN ENGLISH (SOMEPE) at
Krakow, Poland, for the education of medical
students.

The Division of Licensing (DOL) has requested a review of materials provided by JUCM-SOMEPE. These were submitted in pursuit of a request for recognition of JUCM-SOMEPE by the DOL to enable their students and graduates to participate in clinical clerkships and graduate clinical training programs in California and - provided all other requirements have been satisfied - to become eligible for licensure to practice medicine in this State.

The ensuing narrative is based on study and analysis of the following:*

- 1) Responses to the Division's Questionnaire and attachments.
- 2) Information concerning Poland's governmental financing, supervision, administration and evaluation of medical education at JUCM.
- 3) Two booklets entitled, JUCM-SOMEPE CURRICULUM DESCRIPTION:

INFORMATION FOR 4-YEAR PROGRAM STUDENTS and 6-YEAR PROGRAM STUDENTS FOR 2004/2005, respectively. (Presented in lieu of attachment 2 in item 4, below).

The booklets offer the following:

- *Lists, content and hours of courses by year of study.
- *Lists of required readings for each course.

*NOTE: Unless indicated otherwise, the following narrative refers exclusively to matters concerning the SOMEPE.

- *Identification of the principal goals, topics, didactic and practical activities, teaching aids, and the methods of evaluation and examination for each course and clerkship.
 - *Stipulations governing clerkships abroad.
 - *Requests for anonymous students' questionnaire-based evaluations of the programs.
- 4) A set of 12 attachments (numbered 1 to 13, with item (3), above, in lieu of attachment 2). The attachments consist of
- *The Jagiellonian University Mission Statement.
 - *An Example of a Diploma.
 - *Contingency plans in the event of natural or man-made disasters.
 - *Regulations and rules of the **SOME**P in English.
 - *Copy of a form for Student evaluations of clinical clerkships at the home University.
 - *Graphic summary of students' course evaluations.
 - *The Ministry of the Treasury Directive (in English).
 - ***JUCM** investment plans.
 - ***JUCM** consolidated audit report (in English).
 - *Statement of **JUCM** ownership (in English).
 - *Copies of affiliation agreements between **JUCM** and teaching hospitals in Krakow.
 - *Copies of course and clerkship evaluation forms.

NOTE: Replies to the DOL questionnaire comprehensively address almost every topic posed therein. In consequence, this review and analysis will briefly address the major issues and focus on matters requiring additional information.

OVERVIEW:

Documentation about **JUCM's Statement of Objectives and Mission, Charter, and Governance** are provided in reference 4 (above) and fulfill the DOL's requirements in these dimensions.

JU is chartered by and under the aegis of the Government of Poland, a member of **OECD**. Diverse functions relating to **JUCM** are subsumed by the Ministries of Education, Health, Science and Treasury, respectively. **SOME**P is administered within **JUCM** under the direction of the **JU** central administration.

JU is one of Europe's oldest universities, having been in existence continuously since 1364 through several ups and downs of Poland as an independent nation. **JUCM's** professional degrees have been recognized by and its graduates have been practicing for many decades in numerous countries.

JUCM is situated in Krakow, Poland's second largest city and its capital in former times. Krakow has a long history as a major economic and cultural center.

Graduates of the **SOME**P are eligible to practice in Poland after satisfying all requirements, passing the mandatory oral and written State Examinations and completing a thesis. US students are eligible to sit for the USMLE and are eligible for Stafford Loans through the US Department of Education.

All **SOME**P programs require approval by the Faculty Assembly, and are further subject to approval by the Ministry of Education.

JUCM also offers programs in nursing, social work, health management, pharmacy, physiotherapy and paramedical fields, and teaches team approaches to medical care.

The **SOME**P was established in 1994 and is patronized by a broad range of international students mainly from Norway, Canada and the US - a total of 67 from the US since inception of the **SOME**P 12 years ago - and a smattering from several other countries. The curriculum conforms to the requirements prescribed by the Association of European Medical Schools in 1993. The **SOME**P offers two study programs:

The 4-year program, designed primarily for US and Canadian students, is open to international students who have completed a course of undergraduate college study leading to a baccalaureate degree or its equivalent; and

The 6-year program for international students who have completed their secondary education and are eligible for admission to medical school in their native countries.

Neither program is open to Polish nationals but is open to applicants of Polish extraction residing in other countries.

The 6-year program's curriculum begins with 2 years of premedical studies, followed by 2 years of preclinical and 2 years of clinical instruction.

The 4-year program's curriculum depends on the premedical education having been completed satisfactorily prior to entry into the **SOME**P and proceeds identically with the last 4 years of the 6-year program and the mainstream curriculum.

JU's principal responsibility is to educate Polish citizens and JUCM addresses primarily Poland's needs for physicians. **SOME**P is an add on to JUCM's principal obligations and - undoubtedly not incidentally - a significant source of additional income both for the institution and the faculty.

In 2004/5, the total JUCM medical student enrollment numbered 2204 of which 325 were enrolled in the **SOME**P. (In 2005/6 **SOME**P enrolled 335 students (230 in the 6-year and 105 in the 4-year programs, respectively). Tuition for the 4-year program amounts to \$40,000 and \$63,500 for the 6-year program exclusive of any additional costs for special instructional needs such as books, tutorials, repeat examinations, and of the costs of living - room (dormitory charge is \$2,500 per 9 month academic year), board, transportation, entertainment, etc.

The typical applicants to admissions ratio for the **SOME**P is 3:1. The single annual entering class usually numbers 60 students.

The **SOME**P premedical and preclinical courses are taught in English by 345 of the 785 full time JUCM faculty who possess the requisite language and linguistic skills. By the time students reach the clinical years, they will have acquired the ability to converse in Polish to meet the demands of the clerkships or be denied access until a deficiency is overcome.

The principal difference between the mainstream and **SOME**P curriculae consists of intensive required instruction in medical Polish for 2 years in the latter. O p t i o n a l instruction in Conversational Polish can be pursued throughout except for the first clinical year. The **SOME**P curriculum is otherwise identical with the mainstream curriculum.

Special tutorials/seminars in any course may be arranged for students in the **SOME**P on payment of a tutorial fee. Faculty involved in such activities are barred from any role in examinations in the curriculum involving the topics they teach in the tutorials.

NOTE: All items specified in section 2089(b) of the Business and Professions Code are addressed in the curriculum with the exception of **pain** and **end of life** topics which are not specifically identified as such.

FACILITIES:

JUCM's physical plant consists of 23 fully owned and 5 leased buildings embodying a comprehensive assemblage of hospitals, clinics, lecture halls, offices, student- and research laboratories, libraries and dormitories. These facilities are fully equipped with modern appurtenances to meet the clinical, instructional, research, and administrative needs and purposes of the institution and the community served.

JUCM is the region's referral center, the most important resource for day-to-day medical care up to and including the most advanced medical and surgical procedures. It serves the needs of Krakow's 725,000 and the surrounding region's 3,500,000 residents. The eight teaching hospitals in Krakow embody 1,895 teaching beds in every clinical discipline. The numerous clinics subserving primary, secondary and tertiary medical care saw 314,000 ambulatory patient visits in 2004. All facilities are publicly owned and managed by the University. Copies in English translation of formal affiliation agreements between JUCM and clinical facilities in Krakow have been supplied in response to the DOL questionnaire.

NOTE: JUCM states that there are no formal affiliation agreements with clinical facilities elsewhere in Poland or abroad. In fact, and notwithstanding that students in the clinical years of the SOMEPE may take a significant part of their advanced clerkships off-site in the course of their clinical years, the JUCM administration claims to keep no records of where these activities take place. The student's work in these institution is evaluated and recorded on a form supplied to the host facility and returned to JUCM. Student evaluations of these clerkships also have to be submitted to JUCM but their eventual fate is not apparent. (See Curriculum, Summary, and Recommendations).

JUCM staff provides a comprehensive range of CME opportunities for physicians of the region and elsewhere to fulfill the State-mandated requirements.

All Teaching and research activities are conducted at the diverse facilities in Krakow in mostly modern or renovated buildings. Current construction projects include a new cantine with sports facilities, a new lecture hall/laboratory building and diverse projects aimed at renovating and upgrading existing hospitals and clinics.

All preclinical science courses include practical exercises conducted in well-equipped student laboratories. Requirements are met for effective address of A/V needs, illustration, photography, electronics, computer/data processing, machine shop, etc.

Library resources include the JU central library, the JU Institutes Library, the Medical Library and 66 departmental libraries housing almost 4 million volumes, a large collection of journals in every scientific and medical discipline and on-line access to 8 international and Polish language data bases. Medical students' access to the libraries is unrestricted and there is a sufficiency of study areas, library-information systems, viewing facilities and computers to meet the needs of faculty, researchers, residents and students. There is an active interchange loan program with numerous European university and medical libraries.

RESEARCH AT JUCM:

In 2004, more than 500 active research programs were being pursued at **JUCM** involving every one of its administrative units. These were funded largely through various government sources, with additional funding from industry, European scientific organizations and private foundations. In 2004, the total funding for research amounted to US\$9,6 million. Faculty continuously publish in peer-reviewed journals in Polish and in diverse European and US journals.

Medical students in the **SOME**P pursue their thesis work utilizing the libraries and both the Faculty's research and student laboratories. A scientific exchange program involves numerous foreign universities in Europe, Japan, Asia and North America.

STUDENT-ORIENTED FACILITIES:

These include several hostels/dormitories, dining facilities, a student lounge and recreational facilities. Access to and into the city is easy and Krakow offers a great variety of social and cultural resources.

CURRICULUM

The medical curriculum consists of 4 or 6 year courses of studies. A year equals 30 weeks of instruction plus pre-clinical preparation in the summer(s) before the clinical

curriculum begins. The curriculum embodies >5,500 credit hours and is divided among three main categories: basic theoretical education (1st and 2nd years in the 6-year program); pre-clinical subjects (3rd and 4th years in the 6-year program; 1st and 2nd years in the 4-year program); clinical clerkships (last 2 years). The last year is devoted to advanced clinical clerkships, medical specialties, and subinternships. Up to 50% of clinical clerkship time may be pursued off-site.

On petition, A limited number of leaves of absence may be granted. Upon **SOME**P approval, credit may also be awarded for courses pursued elsewhere.

Classroom instruction for the pre-clinical curriculum of the **SOME**P is in English utilizing British and American texts, data bases and other resources. Instruction proceeds in parallel with the mainstream curriculum in terms of topic coverage and duration. Moreover, since all ICM and clinical activities involving patients require competency in the Polish language, intensive instruction in Polish is integral within the **SOME**P curriculum. Students must demonstrate proficiency in Polish or be barred from further studies until they have fulfilled this requirement.

The curriculum is described in exhaustive detail by department, lecture/laboratory/practical/study topic, required and recommended readings on a weekly and credit hour basis (see reference 3, above). Examination policies and practices are described in reference 4 (above), together with exhaustively detailed responses to the Questionnaire embodying a course-by-course examination schedule with dates and specific topical coverage.

Every course offers frequent self-examinations and requires satisfactory performance on midterm and final oral, written and laboratory/practical examinations before a student may progress to the next phase of the curriculum. Grading is on a 5-point scale.

Attendance in classes is strongly recommended. Attendance at and participation in laboratory/practical exercises and seminars is mandatory and enforced by requiring students to have attendance records signed at every occasion. If such an exercise is missed, a valid excuse must be submitted. Makeups may be permitted for cause. A student faces disciplinary proceedings if s/he misses more than 2 such sessions.

NOTE: In the course of their clinical years, students may undertake core and/or advanced clerkships and subinternships in other (often their home) countries. JUCM apparently does not prescribe nor select such target institutions other than to specify that the host hospitals must be university teaching hospitals or teaching hospitals affiliated with a local university (medical school). No formal affiliation agreements exist between JUCM and such institutions. JUCM does not identify any specific individuals at these institutions who might carry any responsibility for the academic quality of the instruction or the students' welfare.

Students may spend up to 50% of the time ordinarily devoted to clinical clerkships off-site but JUCM recommends against utilizing the next-to-last clinical year for such instruction. Consequently, the bulk of off-site training is accomplished in the final year. No specific information is provided on guidance/recommendations as to how these clerkships are selected by the students, their location, nature, content or supervision, except as noted below.

The prescribed procedure for attending an off-site clerkship stipulates that the student should write to the Chair of the JUCM Council and include a plan for the proposed rotation. This should be in compliance with JUCM's academic schedule, the duration of the rotation and supported by a letter of acceptance from the host institution. Some additional and routine stipulations refer to the student being in good standing, fulfilling all his/her obligations to the SOMEPE, and continuing to pay full tuition there.

The student's choice must be approved by the Chair of the JUCM Council and only after receipt of a letter of acceptance from the prospective host institution. Some specific requirements and recommendations are provided about content and duration for a few specifically identified clerkships.

Quality assessment of off-site clerkships by JUCM amounts to review of the Student's Evaluation Form completed by the clerkship supervisor and submitted to JUCM. This should be supported by a detailed, signed report speaking to procedures performed and total time devoted to specific items in the clerkship. These documents are then forwarded to the JUCM counterpart clerkship supervisor for approval.

Through a special arrangement with the Norwegian Ministry of Health, Norwegian citizens in the SOMEPE are permitted to complete an unspecified number (which may be all!) of their clinical studies in Norwegian hospitals which are responsible for the quality of the rotations completed.

This responsibility may not be delegated in the case of US and Canadian hospitals hosting **SOME**P students as no appropriate counterpart certifying authority exists in these 2 countries.

The documentation states that students are not required to provide information on their off-site experiences to **JUCM** nor is the School obligated to collect such data. The documentation further states that, according to Polish law, **JUCM** may not disclose such information to third parties!

As currently administered and practiced, this constellation pertaining to off-site clinical experiences poses a serious obstacle to recognition of the **SOME**P by the **DOL** at this time. (See Summary and Recommendations).

Note: US students in the **SOME**P may take Part I of the **USMLE** after the 2nd year of the 4-year program. No information is presented as to how many of the 67 US students enrolled over the past 12 years sat for the **USMLE**, nor about individual or collective pass rates.

Further, **JUCM** does not require students to take/pass the **USMLE**. It does not collect such data, nor any data on their applications/successes with the **NRMP** match program.

Completion of the final year of formal studies is followed by a comprehensive State examination consisting of written and oral components, and submission of a thesis. The State examination may be taken in English.

A diploma or degree is awarded upon satisfactory completion of these and all other requirements.

Every student's **Progress** is closely monitored and evaluated in each course in accord with a 5-point grading scale and depends on performance on semi-final written, oral and practical examinations in each course. The final examinations are followed by obligatory practicals in laboratory and/or hospital settings, as appropriate.

Strict adherence is required to each and every element of student evaluation, attendance (with sign-ins and maintenance of log books), dates and times for taking examinations, etc. On petition, one re-take of a failed examination is permitted. If permitted, a failed retake requires repeat of the course.

Students are required to write a thesis. Their choice of topic must be approved by the relevant department. The completed work must be approved before the diploma/degree is awarded.

With mandatory fulfillment of these requirements, as is the case for all components and requirements of the mainstream medical education program, the **SOMEPE** curriculum is essentially identical with and initially proceeds in parallel with the mainstream medical curriculum. It is eventually completely integrated into the mainstream program.

STUDENTS

Students are admitted to the **SOMEPE** after completion of college or high school which, in Europe, includes the US equivalent of the first 2 years of college. Unless possessing a baccalaureate degree or equivalent, applicants must pass a comprehensive **Entrance Examination** covering topics in biology, physics, and chemistry. Proficiency in English is also evaluated.

Other items required of applicants for admission include a curriculum vitae, records of prior academic work (degree/diploma/certificate), GPA, letters of recommendation (optional), medical certification of health, immunizations and freedom from HIV/AIDS, birth certificate, documentation of citizenship/permanent residency, passport pictures, and financial ability to finance the entire course of study.

Data on applicants' average or range of GPAs are not to hand.

Students may transfer in advanced standing into years 2 or 3 after review and approval of their credentials. Applicants for admission into advanced standing may gain exemption from some courses depending on their prior studies and performance.

FACULTY

The **SOMEPE** faculty consists of a comprehensive, competent and well-organized teaching faculty which conducts a logically ordered, comprehensive medical educational program along traditional European lines. Most are long-standing members of the **JUCM faculty**.

All faculty members are established medical educators. The physician faculty practice their professions in the University Hospitals and Clinics. Faculty members

participate in and publish their research findings in both national and internationally recognized journals.

Faculty teaching in the **SOME**P in the pre-clinical years are bi- or tri-lingual, as are many faculty teaching in the clinical years. Lectures, seminars, rounds and case presentations may be held in English and/or Polish but all interactions between students and patients take place in the Polish language.

FINANCIAL MATTERS

JU and **JUCM** are financed by Ministries of the Polish Government. Specific itemization of the budget is provided in the replies to the Questionnaire. The **SOME**P is entirely self-supporting. A significant fraction of the **SOME**P budget is derived from student support funds from the US Department of Education through the Stafford Student Loan Program.

SUMMARY:

This review and analysis is based on the documentation concerning its **English Language Program in Medical Education** provided by the **JAGIELLONIAN UNIVERSITY COLLEGIUM MEDICUM - SCHOOL OF MEDICINE** in Krakow, Poland. There seems no reason to doubt that students enrolled in and graduating from the **SOME**P obtain a medical education equivalent to that offered to the native-language speakers in the same facilities and on a par with that in most European federally-sponsored medical schools. However, several issues require address and clarification before a judgment can be rendered as to whether to recommend recognition by the **DOL**.

UNRESOLVED ISSUES:

Several issues pertaining to **off-site clinical clerkships** are of concern. To wit:

- 1) The absence of formal affiliation agreements between **JUCM** and actual/potential host institutions elsewhere for clinical clerkships is of concern. Students may pursue a large proportion of their core and specialty clinical rotations elsewhere. Indeed, the documentation does not provide any information on these sites. This item needs clarification about the location, nature, administration, quality assurance and supervision at these sites; how they are selected and reviewed, and more specific documentation about the activities of and resources at these sites. (See Curriculum, above).

2) Matters pertaining to the **USMLE** for **SOMEPE** students:

Taking/passing the **USMLE** parts 1 and 2 is not required for **SOMEPE** students to progress in the program or to commence clinical studies. The documentation states that US students may and do take these examinations. However, the School does not maintain or record names, scores or pass rates. The same holds for records of graduates' successes with regard to the **NRMP**. This raises serious questions concerning quality assessment of the curriculum and preparation of graduates for their further education.

A statement to the effect that **JUCM** is beginning to use **NBME** shelf examinations may be taken as a first step toward preparation of students specifically for the **USMLE**. It does not, however, address the issues of quality assessment and preparation in the previous paragraph.

3) The absence of specific identification of **pain** and **end of life** topics from the list of items covered in the curriculum.

CONCLUSIONS AND RECOMMENDATIONS:

The following addresses the issues precluding an immediate recommendation for recognition of the **JUCM-SOMEPE** by the **Division**:

1) **The problems with the off-site clinical clerkships.**

As this reviewer interprets the California statutes there is no possibility of according the requested recognition at this time. **SOMEPE's** current practices with regard to off-site education and matters of Polish law, which apparently prohibit providing specific information about student activities to third parties, can probably not be reconciled with California's requirements. Although **JUCM-SOMEPE** should be advised to change their practices with regard to off-site education of their students, this may not happen.

However, there may a possibility to address these issues by means of a waiver and substitution of other criteria for a resolution of this dilemma in individual cases. To wit:

* The **SOMEPE** is a small part of **JUCM**, an old, well established and highly regarded School of Medicine.

* Applicants from **SOME**P for clinical training in California are likely to be few in number since the US complement in the program is relatively small.

* Since **SOME**P stipulates that off-site clinical clerkships must take place in university- or university-affiliated hospitals, the lack of a specifically designated off-site clerkship director responsible for oversight of **SOME**P students may not be a critical obstacle to recognition, per se.

* Potential applicants for clerkships or residencies could request a waiver. Requests to participate in clinical clerkships in California would only be considered from students in their last clinical year and could be time limited. Applicants could be required to submit the following to a designated **DOL** delegate for review and recommendations:

For final year medical students applying for clerkships:

Their USMLE I and II officially authenticated test scores;
The Clinical Skills Examination evaluations;
Signed evaluations from other clerkship directors;
A letter of endorsement from the Director of the **SOME**P to the effect that all **SOME**P requirements have been satisfied; and
Demonstrated proficiency in English.

For graduates applying for residencies:

All of the above with the additional stipulations that they shall have received the M.D. degree or a diploma and have passed the ECFMG and/or TOEFL examinations, as may be appropriate.

The **DOL**'s delegate would evaluate these materials and, as may be appropriate, recommend that the **DOL** grant or deny the waiver.

2) There is a question as to how well the **SOME**P prepares graduates for residencies in US hospitals. The program claims not to have any data on US graduates' performance in the NRMP nor their success in gaining residencies and their performance therein. Possible approaches to address this issue include the following:

*) **JUCM** might request such information from the NRMP for submission to the **DOL**. (Does Polish law prohibit this?).

*) JUCM might petition NRMP to provide this information directly to the DOL.

*) DOL might request these data directly from the NRMP - with or without a letter of authorization from JUCM.

All costs associated with these approaches would be borne by the SOMEF.

3) The apparent absence of topical coverage of **pain and end of life** in the curriculum could be addressed by means of correspondence with Professor Piotr Laidler, the official responsible for replies to the Questionnaire.

ON THE MATTER OF OFFICIAL RECOGNITION OF THE SOMEF:

If, as and when the above matters have been addressed and resolved to the **Division's** satisfaction, the matter of recognition of the **SOMEF** may be taken up.

If the **Division's** questions are resolved satisfactorily, approval may be recommended for students in their last clinical year to participate in clerkships in California and for graduates to participate in residencies. To become eligible for licensure to practice medicine in the State of California they must also have passed USMLE III and have satisfied all additional statutory requirements applicable to US and Canadian applicants.

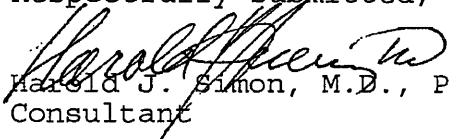
A further condition for recognition of **SOMEF** might stipulate periodic reviews of this program, possibly at 5-year intervals. (Perhaps site visits should eventually be arranged for the other European English Language medical programs recognized by the Division, as well).
The above recommendations are based on the following:

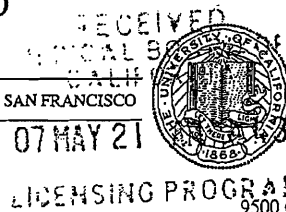
- *The expectation that the problems and issues identified in this review will have been resolved to the **Division's** satisfaction.
- *The distinguished history and reputation of the **JAGIELLONIAN UNIVERSITY** and its **SCHOOL OF MEDICINE**
- *The **JUCM's** comprehensive mainstream pre-clinical and clinical educational programs. After specifically arranged pre-clinical education in English, and having passed a proficiency examination in the Polish language,

international students enrolled in the SOME
participate fully in the mainstream curriculum. Their
medical education is essentially identical with that of
the students in the mainstream program and closely
parallels that in LCME accredited institutions (with
apparently much closer supervision of individual
students' progress and behavior);

- *The JUCM's widely recognized faculty;
- *The JUCM's comprehensive pre-clinical and clinical facilities and other resources;
- *The JUCM's educational and service roles in the primary, secondary and tertiary medical arenas;
- *The JUCM's University and affiliated hospitals' teaching and service functions as a major referral center for the region;
- *Acceptance of JUCM medical graduates to practice in numerous other countries; and
- *The JUCM's functioning under close governmental oversight.

Respectfully submitted,


Harold J. Simon, M.D., Ph.D.
Consultant



HAROLD J. SIMON, M.D. Ph.D.
SCHOOL OF MEDICINE
DIVISION OF INTERNATIONAL HEALTH AND
CROSS-CULTURAL MEDICINE

9500 GILMAN DRIVE # 0622
LA JOLLA, CALIFORNIA 92093-0622

May 3, 2007

To: Division of Licensing
Medical Board of California

Attn: Ms Pat Park, Associate Analyst
Licensing Program

From: Harold J. Simon, M.D., Ph.D.
Consultant

Subject: Review of and Comments on a document, dated April 12, 2007, and provided by the Jagiellonian University Collegium Medicum (JUCM) - School of Medicine in English (SOMEPE) at Krakow, Poland.

This document was provided in response to questions raised in a November 6, 2006, review* of a set of documents originally submitted by JUCM-SOMEPE in pursuit of recognition by the State of California toward obtaining permission for JUCM-SOMEPE medical students to pursue clerkships in California institutions, for their graduates to pursue residencies, and eventually to stand for licensing to practice in the State. As a result of that review, an opinion was rendered that several outstanding issues remained to be addressed and resolved prior to a formal recommendation on the petition by JUCM-SOMEPE.

The following will identify the issues in question, the responses offered by the JUCM-SOMEPE, and comments from the undersigned. A formal recommendation on the matter of recognition of the SOMEPE by the DOL will then be offered.

FIRST ISSUE: Matters pertaining to off-site clinical clerkships pursued by students enrolled in the SOMEPE.

The questions raised initially pertain to the apparent absence of formal affiliation agreements between JUCM and

*A copy of that review is appended. It has been modified slightly with deletion of typographical errors and a modification of a previous recommendation.

off-site host institutions wherein clinical clerkships are pursued; their nature, location, and administration; quality assurance and supervision; how they are selected and reviewed; and about the activities and resources at these sites.

In reply, the letter from **SOMEPE** has supplied a list of 36 hospitals where off-site clerkships are currently pursued by senior medical students. With only one exception, all are well-known and highly regarded university or university-affiliated teaching hospitals. The exception is Ross University in the West Indies which hosts a very small number (1-3) students.

Of the others, 31 are in U.S. and Canadian hospitals associated with LCME-approved medical schools, 3 are in well-recognized and highly regarded teaching hospitals in the UK and one is New Zealand.

By far the greatest number (well over half) of off-site clerkships are pursued in 2 locations: The University of Rochester School of Medicine and Dentistry in Rochester, New York, and the University of Toronto's Faculty of Medicine in Toronto, Ontario, Canada. The other institutions generally host 1-3 students each.

A separate table lists the clinical clerkships utilized at each site which range from single offerings to essentially the complete gamut of clinical disciplines.

Copies are to hand of the **formal agreements** between **JUCM** and the medical schools in Toronto and Rochester. These cover exchange programs involving students, residents and senior clinicians. They also address issues pertaining to visiting lecturers, participants in colloquia and seminars and look to collaborative clinical and research programs.

The individuals overseeing these activities at the involved institutions are identified. Matters pertaining to institutional support, coordination, and screening of participants in the diverse exchange programs are addressed.

In exquisite detail, the agreements cover the required educational backgrounds of those eligible to participate in the exchange programs; the maximum number of places available in the various programs; the duration of the clerkships; financial arrangements between the institutions and the students; and support for housing of visitors, etc.

Of note: Tuition fees are waived and free housing is available for visitors on a reciprocal basis. In addition, student visitors to Rochester from the **JUCM** Polish Language Program are given \$1,000 for living expenses.

The agreements are presented in English and Polish and are equally binding. The agreement with Rochester covers three years and is subject to renewal in November 2007. The agreement with Toronto covers 5 years as of August 2004.

Further details are provided in the letter, dated April 14, 2007.

In the future, such agreements will be made with other off-site accredited institutions in the U.S., Canada, Australia and EU, reviewed by the **JUCM** Council, and subject to the **quality assurance process** currently in use.

The **Quality Assurance Process** consists of

- *confirmation of accreditation of an off-site institution in any particular location by the appropriate medical board;

- *Review by the **JUCM** Council of clerkships at all off-site locations; and

- *Review of course/clerkship descriptions, including the entire curriculum.

A table is provided which identifies course/clerkship length, number of hours, numbers of students enrolled, prerequisites, goals, learning objectives, topics covered, schedules of clinical and didactic activities, required readings, supervision, and methods for evaluating student performance.

Exchange students' performance is evaluated by physician professors, attending staff, and residents at the host sites.

As necessary, telephone contacts with off-site institutions supplement correspondence. On occasion, site visits may be undertaken.

SECOND ISSUE: Matters pertaining to performance on the USMLE by SOMEPE students.

In the original submission, the **JUCM-SOMEPE** authority stated that they were unable to obtain such information as a result of privacy concerns and Polish law which forbids transmission of such information to third parties. These concerns seem to have been resolved. In fact -

JUCM now requires students to take the USMLE at the designated times and provide their scores to the Dean's office as a requirement for graduation. At matriculation, students must submit a signed agreement to this effect. Thus:

a) For the 2006 graduating class of the 4-year English Program:

All 12 students (100%) took and passed Step 1.
10 students took Step 2 CK and all passed.
9 of the 10 students (90%) who took Step 2 CS passed.

b) For the Class of 2007 (current 4th year students in the 4-year English Program).

14 of the 17 students (82%) passed Step 1. Results for another (6%) are pending and 2 are scheduled to retake the exam.
All 7 (100%) taking Step 2 CK passed.
All 7 (100%) taking Step 2 CS passed.

c) For the Class of 2008 (current 3rd year in the 4-year English Program).

To date, Of 20 students who have taken Step 1, 14 (70%) have passed. The other six are scheduled to retake the exam.

d) The majority of students in the 6-year English Program, accredited by the EU, have been and continue to be from Norway. They are subject to a separate exam to be eligible to practice in Norway. 100% of these students are pursuing graduate training programs in Norway.

In recent years, the 6-year English Program enrolled only 2-4 students from Canada and 2 from the US yearly. USMLE records for these students are not available. However, data obtained from the Class of 2003 indicated a 100% pass rate for Steps 1, 2 CK, and 2 CS.

THIRD ISSUE: Post-Graduate training performance of SOME graduates.

The question was raised as to how well the SOME prepares graduates for residencies in US hospitals. The original submission lacked data on SOME graduates' performance in the NRMP, their success in obtaining residency positions in the US, and on their performance therein.

Since the previous review, the **JUCM-SOME**P has begun to collect the requested information from its graduates. Thus, although no data are supplied as to success rates:

Three (3) graduates of the Class of 2003 from the **6-year Program in English** found residency placements in US teaching hospitals. (Be it remembered that this program enrolls very few US and Canadian students).

Forty-three (43) graduates of the **4-year program in English** obtained residencies in US teaching hospitals.

By year of graduation, the data show the following:

- 2 graduates of the Class of 1998 (the first graduating class);
- 3 graduates of the Class of 1999;
- 7 graduates of the Class of 2000;
- 5 graduates of the Class of 2001;
- 4 graduates of the Class of 2002;
- 6 graduates of the Class of 2003;
- 5 graduates of the Class of 2004;
- 6 graduates of the Class of 2005; and
- 5 graduates of the Class of 2006.

Effective with the current year, the **JCUM** Chair and Council have mandated that students must provide the names of the residency programs they will enter to the Dean's office. This initiative was formally approved by both the **JUCM** and Student Councils.

FOURTH ISSUE: The apparent absence of 'PAIN MANAGEMENT' and 'END OF LIFE' topics from the Curriculum:

The current submission from the **SOME**P provides detailed information on the teaching of these two topics. Included are the following:

- *Placement (timing) within the 2 **EMP** curriculae;
- *Format (lectures, seminars and clinical practice in ambulatory and in-patient settings);
- *Inclusion within specified courses and clerkships;
- *Specific topics covered.

These include comprehensive treatments of the two named topics and go much farther into aging and age-related changes in the organ systems; special aspects of history-taking and physical examination of the elderly; communication skills for addressing the elderly; major geriatric medical problems such as pressure ulcers, incontinence; infections, nutrition and symptom management; falls, rehabilitation, delirium, dementia, depression, social issues; and decision making.

CONCLUSIONS:

The communication from JUCM-SOMEPE, dated 4/18/07, provides comprehensive replies with detailed supporting information to the four sets of issues and questions raised in the review of the original petition for recognition by the Division of Licensing.

The current review strongly suggests that essentially all outstanding issues have been addressed satisfactorily.

RECOMMENDATIONS:


Approval by the DOL is recommended for recognition of the SOMEPE. This recommendation is intended to apply to

- *Students in their last clinical year to participate in clinical clerkships in California; to
- *Graduates to participate in residencies in California; and to
- *Applicants for licensure in California from SOMEPE. These must have passed USMLE I, II, and III and have satisfied all statutory requirements applicable to US and Canadian applicants.

In addition, the DOL might stipulate periodic reviews of this program at 5 year intervals and/or in consequence of any significant change in governance or curriculum.

This recommendation is based on the JUCM-SOMEPE's satisfactory replies to the issues raised in the previous review and the supporting information presented on pages 14 and 15 therein.

Respectfully submitted,


Harold J. Simon, M.D., Ph.D.
Consultant



STEFFANIE A. STRATHDEE, PH.D.
PROFESSOR AND HAROLD SIMON CHAIR
CHIEF, DIVISION OF INTERNATIONAL HEALTH AND CROSS-CULTURAL MEDICINE
DEPARTMENT OF FAMILY AND PREVENTIVE MEDICINE

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LICENSING PROGRAM

DATE: June 26, 2007
TO: The Division of Licensing
Medical Board of California
Attn: Ms. Pat Park, Associate Analyst
Licensing Program
FROM: Harold J. Simon, M.D., Ph.D.
Consultant
SUBJECT: Recognition of Jagiellonian University Collegium Medicum (JUCM)
School of Medicine in English Program (SOMEPE)

I have been asked to offer my opinion as to the date when this Program should be recognized by the Medical Board in view of my recommendation that it should be offered recognition.

I believe full recognition is warranted as of the date of the inception of the English Language Program - 1994. My reasoning:

My first review I saw a generally well-organized and well - administered program. In point of fact, if it had not been for a few unfulfilled stipulations by the Medical Board and the applicable statutes, full recognition would have been recommended at that time. These issues and my recommendations toward their resolution are fully detailed in my prior submissions.

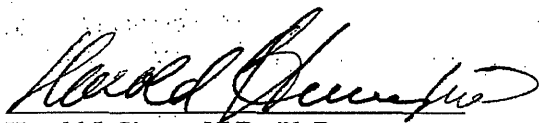
In my view, the latest submission demonstrates that such outstanding issues have been resolved satisfactorily.

In addition, be it noted again that this institution is highly regarded throughout the Western World and has been in operation for centuries. Its buildings, laboratories, and libraries have existed and functioned for many years and are continuously being upgraded.

Its faculty is highly regarded and - for the most part - serve the English Program as a sideline for its first two years until the Program is fully integrated into the mainstream program. Its graduates enjoy high regard throughout Poland and in the many other countries in which they practice.

Finally, the institution and its program are accredited by the responsible Polish and European authorities.

Respectfully submitted,


Harold J. Simon, M.D., Ph.D.
Consultant



Kraków April 12, 2007

Medical Board of California

Licensing Program

1426 Howe Ave, Suite 54

Sacramento, CA 95825-3236

U.S.A.

Dear Medical Board of California:

Thank you for your letter dated November 2, 2006 in response to our application for the Medical Board's recognition of the Jagiellonian University's 4 and 6-year English language programs in medicine. We recently completed our collection of the information needed to answer the four questions your Medical Consultant requested to assist him in finalizing his review. The answers are as follows:

1. Off-site clerkships:

- a. The names of the hospitals where the JUCM Council approved students to complete off-site clerkships can be found in **appendix A1 and A2**. This appendix also includes the clerkships the students participated in at these given sites. The most frequently chosen from among the foreign universities are the University of Rochester School of Medicine and Dentistry, Rochester, NY, U.S.A. and the University of Toronto, Ontario, Canada. We have included the written agreements

for the exchange of students between these two institutions and the JUCM in **appendix B**. In the future, additional off-sites at accredited medical schools in the U.S., Canada, Australia, and EU will be reviewed by the JUCM Council using our quality assurance process before granting permission to participate in such programs.

b. Quality assurance at the sites was measured by the following methods:

i. Confirmation of accreditation of the university medical school in a given country/state with the appropriate medical board.

ii. A review by the JUCM Council of the available clerkships at a given off-site and a course description of each including the curriculum. Please refer to **appendix C**. Course length, number of hours, number of students, prerequisites, goals, learning objectives and topics covered, schedule of activities (% of inpatient and outpatient training), didactic activities, required reading, supervision, and student evaluation methods were all taken into account.

iii. If necessary, phone contact with a given institution or an on -site visit.

c. Supervision of the Jagiellonian students is done by clinical professors/MDs at the given off-site university teaching hospital, attending staff, and residents.

2. USMLE scores:

a. The data regarding the success of the students in passing the USMLE

Step 1 & 2 is as follows:

i. 2006 graduating class (4-year English Program)

1. **100%** (12) students took and passed **Step 1**
2. Of the 10 students who took **Step 2 CK**, **100%** passed.
3. Of the 10 students who took **Step 2 CS**, **90%** passed.

ii. Class of 2007 (4-year English Program) current 4th year students

1. Of the 17 students that took the **Step 1**, **82%** (14) passed and **6%** (1) pending. The remaining 2 are scheduled to retake the exam.
2. Of the 7 students that have taken **Step 2 CK**, **100%** have passed.
3. Of the 7 students that have taken Step 2 CS, **100%** have passed.

iii. Class of 2008 (4-year English Program) current 3rd year students

1. Of the 20 students that have taken **Step 1**, **70%** (14) have passed thus far. The 6 remaining students are scheduled to retake the exam.

- iv. Please note that the majority of the students in the **6-year English Program**, which has been accredited in the EU, has been and continues to be from Norway. They pass a different state exam required to practice medicine in Norway, and **100%** of the students have been placed in postgraduate training programs upon completion from this program. In recent years, we have only had 2 students from the U.S./year and 2-4 students from Canada/year. We did not keep track of their USMLE results. Recent data that we gathered from the class of 2003 showed a **100%** pass rate of **Step 1, Step 2 CK, and Step 2 CS.**
- b. Since information regarding USMLE Step 1 & 2 is critical for JUCM self-evaluation of the effectiveness of the English programs in preparing U.S. citizens and others to practice medicine in the U.S., the JUCM Chair and Council have now decided to make disclosing of this data by students of the 4 and 6-year English programs mandatory in addition to requiring these exams be taken at the designated times as part of the requirements for graduation. The appendix of the Rules of JUCM was approved by the JUCM Council and the Student Council. This can be found in **appendix D.** Each student will be required to sign a document that states that he/she must provide the JUCM with results of the USMLE exams effective as of this year.

3. Postgraduate training performance:

- a. The information regarding where English program students obtain postgraduate training following graduation is critical for the JUCM officials to use to evaluate the effectiveness of the curriculum in preparing U.S. citizens and others to begin postgraduate training in the United States. We have collected data recently which is included in **appendix E**. The JUCM Chair and Council have also now decided to make disclosing of this very important data by students mandatory. This addition to the appendix of the Rules of JUCM was approved by the JUCM Council and the Student Council and is effective as of this year. Each student will be required to sign a document that states that he/she must provide the University (Dean's office) with the name of the postgraduate training program they have entered. See **appendix D**.

4. Curriculum:

- a. **Pain Management:** The problems concerning pain management, both acute and chronic, are presented to students primarily during the 3rd of the 4-year program and 5th year of the 6-year program during the Anesthesiology and Intensive Care Medicine course. This includes lectures, seminars, and clinical practice in the inpatient setting and the outpatient pain management ambulatory clinic. In addition, problems concerning the treatment are also addressed from year 3 and 4 (4-year program) and years 4 to 6 (6-year program) during the following rotations: internal medicine, pediatrics, obstetrics and gynecology, physical medicine, palliative care in the terminally ill, and oncology. Surgical pain is also addressed during the clinical clerkships in the

surgical disciplines. Finally, elements of cognitive behavioral therapy and the treatment of chronic pain management are addressed through the course in psychiatry/addiction medicine.

- b. **End of Life:** End of life issues are taught during the internal medicine rotations, which includes particular attention to geriatrics and palliative care. All clinical disciplines of internal medicine deal with the problems of aging including the courses in cardiology, nephrology, gastrointestinal diseases, rheumatology, etc. Topics in aging are also covered in anesthesiology and the various surgical subspecialties. Neurology and psychiatry also play an integral part in end of life education. Many of the clinics from these various specialties provide, their own or in cooperation with the Geriatric Clinic, the opportunity for scientific research on this subject due to the growing aging population and need for improved care. Additional electives in geriatric medicine/palliative care are available.

i. Specific topics covered include:

1. Aging and age-related changes in the organ systems.
Assessment of the elderly patient. Clinical approach to the elderly patient including history taking and physical exam. Assessment scales used in the elderly.
Communication skills in making difficult decisions, giving bad news, etc.
2. Major geriatric problems including pressure ulcers, incontinence, infection, nutrition, pain and symptom management.

3. Other related geriatric problems such as nutrition, falls, and rehabilitation.
4. Cardiovascular disease in the elderly, CHF, HTN, Cerebral Vascular Disease.
5. Delirium, Dementia, and Depression.
6. Social issues in the elderly and decision making.

We hope that the information presented in our response meets with the California Medical Board's requirements for accreditation of our 4 and 6-year English programs. We are committed to providing our students with the highest level of education and clinical experience in order to prepare them for practicing high quality medical care for their patients. We constantly seek ways of improving our program and welcome any comments you may have.

Sincerely,



Prof. Piotr Laidler, PhD

V-Dean, Faculty of Medicine

Jagiellonian University

Collegium Medicum

Approved sites for Rotations

Appendix A1

Approved Medical Schools where UJ CM students completed their elective rotations in the academic years 2004/05 and 2005/2006	# of students	Web page
1. Rochester University School of Medicine and Dentistry, Rochester, NY, USA	16/31	http://www.rochester.edu/medicine.html
2. The University of Toronto, Faculty of Medicine, Toronto, Ontario, Canada	13/31	http://www.facmed.utoronto.ca
3. Case Western Reserve University School of Medicine, Cleveland, OH, USA	*	http://casemed.case.edu
4. McGill University, Faculty of Medicine, Montreal, Quebec, Canada	*	http://www.med.mcgill.ca
5. University of Calgary, Faculty of Medicine, Calgary, Alberta, Canada	*	http://faculty.med.ucalgary.ca
6. Faculté de médecine de l'Université de Montréal, Montreal, Quebec, Canada	*	http://www.med.umontreal.ca
7. University of Texas Southwestern Medical School, Dallas, TX, USA	*	http://www.utsouthwestern.edu/home/education/medicalschoo
8. University of Alabama School of Medicine, Birmingham, Alabama, USA	*	http://main.uab.edu/uasom
9. University of Glasgow, Faculty of Medicine, Glasgow, Scotland, UK	*	http://www.gla.ac.uk/faculties/medicine
10. Wayne State University School of Medicine, Detroit, MI, USA	*	http://www.med.wayne.edu
11. The University of New South Wales, Faculty of Medicine, Sydney, Australia	*	http://www.med.unsw.edu.au
12. The Johns Hopkins University School of Medicine, Baltimore, MA, USA	*	http://www.hopkinsmedicine.org
13. Northwestern University, Feinberg School of Medicine, Chicago, IL, USA	*	http://www.medschool.northwestern.edu
14. Rush University, Rush Medical College, Chicago, IL, USA	*	http://www.rushu.rush.edu/medcol
15. Harvard University, Harvard Medical School, Boston, MA, USA	*	http://hms.harvard.edu/hms/home.asp
16. Tufts University School of Medicine, Boston, MA, USA	*	http://www.tufts.edu/med
17. The University of Birmingham Medical School, Birmingham, UK	*	http://www.medicine.bham.ac.uk
18. The University of Chicago, The Division of the Biological Sciences and The Pritzker School of Medicine, Chicago, IL, USA	*	http://pritzker.bsd.uchicago.edu
19. Tulane University School of Medicine, New Orleans, LA, USA	*	http://www.som.tulane.edu
20. McMaster University, Faculty of Health Science, Hamilton, Ontario, Canada;	*	http://www.fhs.mcmaster.ca
21. University of British Columbia, Faculty of Medicine, Vancouver, Canada	*	http://www.med.ubc.ca
22. University of Saskatchewan, College of Medicine, Saskatoon, Canada	*	http://www.usask.ca/medicine
23. Mount Sinai School of Medicine, New York, NY, USA	*	http://www.mssm.edu/school.html
24. University of Cincinnati, College of Medicine, Cincinnati, OH, USA,	*	http://www.med.uc.edu
25. Dalhousie University, Faculty of Medicine, Halifax, Nova Scotia, Canada	*	http://www.medicine.dal.ca
26. University of South Alabama, College of Medicine, AL, USA,	*	http://southalabama.edu/com
27. Columbia University, College of Physicians and Surgeons, New York, NY, USA	*	http://www.cumc.columbia.edu
28. University of Illinois College of Medicine, Chicago, IL, USA	*	http://www.uic.edu/depts/mcam
29. The University of Alabama at Birmingham, AL, USA	*	http://main.uab.edu/uasom
30. The University of Western Ontario, Faculty of Health Sciences, London, Ontario, Canada	*	http://www.uwo.ca/fhs
31. University at Buffalo School of Medicine and Biomedical Sciences, Buffalo, NY, USA	*	http://www.smbbs.buffalo.edu
32. University of London St. George's Medical School, London, UK (St. George's Hospital, London),	*	http://www.sgul.ac.uk
33. Ross University School of Medicine, West Indies	*	http://www.rossu.edu/med
34. Mercer University School of Medicine, Savannah, GA, USA	*	http://medicine.mercer.edu/Introduction
35. University of Florida, College of Medicine, Jacksonville, FL, USA	*	http://www.med.ufl.edu
36. Rosalind Franklin University of Medicine and Science, Chicago Medical School, IL, USA	*	http://www.rosalindfranklin.edu

* items 3 – 36: 1 – 3 students

Clerkships

Appendix A2

Rochester University School of Medicine and Dentistry, Rochester, New York, USA	Family Medicine Internal Medicine Gastroenterology Hematology/Oncology Infectious Diseases Cardiology Pulmonary Medicine Sleep Medicine Clinical Cardiology Heart Failure Management, HTN, Vascular diseases Pediatrics Neonatology Pediatric Hematology/Oncology Adolescent Medicine Pediatric Pulmonology Emergency Medicine General Surgery Plastic Surgery Neurosurgery Vascular Surgery Cardiac Surgery Cardiothoracic Surgery	The University of Toronto, Faculty of Medicine, Toronto, Ontario, Canada	Family Medicine Internal Medicine Cardiology Geriatrics OB/GYN General Surgery Colorectal Surgery Neurosurgery Thoracic Surgery Orthopedic Surgery Vascular Surgery Cardiac surgery Surgical Oncology Emergency Medicine	Case Western Reserve University School of Medicine, Cleveland, Ohio, USA	Internal Medicine Infectious Diseases Endocrinology Hematology/Oncology Orthopedic Surgery Pediatric Surgery	McGill University, School of Medicine, Montreal, Quebec, Canada	Internal Medicine Cardiology Hematology/Oncology Cardiac surgery	University of Calgary, Faculty of Medicine, Calgary, Alberta, Canada	Family Medicine Internal Medicine Anesthesiology OB/GYN Psychiatry General Surgery Pediatric Surgery Trauma Surgery	Faculte de medecine de l'Universite de Montreal, Montreal, Quebec, Canada	Internal Medicine Allergy OB/GYN	University of Texas Southwestern Medical School, Dallas, Texas, USA	General Surgery Plastic Surgery	University of Alabama School of Medicine, Birmingham, Alabama, USA	Internal Medicine General Surgery	University of Glasgow, Faculty of Medicine, Glasgow, Scotland, UK	OB/GYN General Surgery
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Clerkships

Appendix A2

McMaster University, Faculty of Health Science, Hamilton, Ontario, Canada	Radiology	University of British Columbia, Faculty of Medicine, Vancouver, Canada	OB/GYN	University of Saskatchewan, College of Medicine, Saskatoon, Canada	Family Medicine OB/GYN Pediatrics	Mount Sinai School of Medicine, New York, New York, USA	Internal Medicine Gastroenterology General Surgery Neurosurgery Traumatology Radiology	University of Cincinnati, College of Medicine Cincinnati, Ohio, USA	Internal Medicine Hematology/Oncology Gastroenterology	Dalhousie University, Faculty of Medicine, Halifax, Nova Scotia, Canada	Internal Medicine Cardiology	University of South Alabama, College of Medicine, Mobile, Alabama, USA	Emergency Medicine	Columbia University, College of Physicians and Surgeons, New York, New York, USA	Family Medicine	University of Illinois College of Medicine, Chicago, Illinois, USA	Internal Medicine	The University of Alabama, Birmingham, Alabama, USA	General Surgery
	Anesthesiology																		
	Internal Medicine																		
	General Surgery																		
	Orthopedic Surgery																		
	Urology																		
	ENT																		
	Ophthalmology																		
	Emergency Medicine																		

Appendix B

**THE AGREEMENT BETWEEN
THE JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE
KRAKOW, POLAND**

AND

**THE UNIVERSITY OF ROCHESTER
SCHOOL OF MEDICINE AND DENTISTRY
ROCHESTER, NEW YORK, USA**

The goal of this agreement is to strengthen the academic relationships, advance medical education, promote scientific research, and enhance collaboration between the students and faculties of the University of Rochester School of Medicine and Dentistry (URSM&D) and the Jagiellonian University Medical College (JUMC).

Specifically, the two schools resolve:

- To continue a medical student exchange program by offering clerkships and advanced clinical electives for medical students in their senior year.
- To encourage exchange programs for residents and senior clinicians, consistent with hospital and governmental medical practice.
- To encourage exchange programs for postdoctoral fellows, for advanced training in the biomedical sciences.
- To encourage exchange programs for faculty, as visiting lecturers and participants in colloquia and seminars, for the purpose of developing clinical and research programs.

The URSM&D and the JUMC will provide institutional support for the exchange students before and during the rotations. The URSM&D's Center for Advocacy, Community Health, Education and Diversity (CACHED) will coordinate the exchange program. The co-director for CACHED will be the URSM&D contact person. The Vice Dean of the Faculty of Medicine for International Cooperation and Education and Head of the Council of the School of Medicine in English will be the JUMC contact person. All students accepted into the exchange program must meet all academic requirements, as detailed by the URSM&D and JUMC.

Term: The Agreement is valid for three years from the date of its signing and concludes on November 15, 2007. During the third year, both institutions will evaluate the agreement, and the Institutions' authorities shall determine whether or not to continue a formal linkage. This agreement is written in English and is signed in two copies. Each copy has equal legal force.

APPENDIX

MEDICAL STUDENT EXCHANGE PROGRAM

The University of Rochester School of Medicine and Dentistry (URSM&D) and the Jagiellonian University Medical College (JUMC) resolve to maintain a medical student exchange program for students in good standing from the two institutions. There will be three components to the medical student exchange program:

- JUMC students studying medicine in the Polish language program
- JUMC students studying medicine in the English language program
- URSM&D students

JUMC Students Studying Medicine in the Polish Language Program

Up to three (3) JUMC students studying medicine in the Polish language program in their final year of medical training, will be selected to participate in 12-week clinical electives at the URSM&D.

Students from the JUMC Polish language program will have their tuition fee waived by URSM&D. The three exchange students from the JUMC Polish language program will receive free housing in URSM&D identified locations, plus \$1,000 for living expenses.

JUMC Students Studying Medicine in the English Language Program

Up to thirteen (13) JUMC students studying medicine in the English language program in their final year of medical training, will be selected to participate in 12-week clinical electives at the URSM&D.

Students from the JUMC English language program will be responsible for a tuition fee of \$100 USD per week, in addition to their lodging, meals and incidentals.

URSM&D Medical Students

Up to six (6) URSM&D medical students in their third or fourth year of training will participate in one-month clinical exchange opportunities at the JUMC School of Medicine in English.

URSM&D exchange students will have their tuition fees waived by the JUMC, and will receive free housing in JUMC identified locations. They will be responsible for their meals and incidentals.

FINANCIAL SUPPORT AND OBLIGATIONS

The University of Rochester School of Medicine and Dentistry

The obligations of the University of Rochester School of Medicine and Dentistry will include but are not limited to:

- Process the required paperwork for all JUMC students to secure an F-1 visa.
- Ensure that students are registered for up to 12 weeks of clinical electives with the URSM&D Registrar.
- Waive the cost of tuition, arrange and pay for student housing, and provide \$1,000 for living expenses for up to three (3) exchange students from the JUMC Polish language program.
- Provide reduced tuition of \$100 USD per week for up to thirteen (13) students from the JUMC studying medicine in the English language program.
- Cover the cost of liability insurance for all JUMC students registered for clinical clerkships, through the URSM&D CACHED and the Registrar's Office.
- Identify housing for the self-paying JUMC English language program exchange students.
- Prepare applications for each URSM&D students applying for exchange with the JUMC English Program, which should include a curriculum vitae, personal statement, official school transcript, and two letters of reference.

The Jagiellonian University Medical College

The obligations of the Jagiellonian University Medical College will include but are not limited to:

- Select JUMC students in their last year of medical school for review by Dr. Ralph Józefowicz, Chair of the URSM&D International Medicine Faculty Advisory committee (IMFAC).
- Prepare applications for each of these students, which should include a curriculum vitae, personal statement, official school transcript, and two letters of reference. Students from the JUMC Polish language program must also demonstrate English language proficiency, based on performance on a standardized test. Dr. Ralph Józefowicz will review all completed applications and will interview all candidates to determine if each student meets the academic and language requirements. He will then present his recommendations to the URSM&D IMFAC, who will select 13 students from the English language program and 3 from the Polish language program.
- Provide clinical educational exchanges for up to six URSM&D medical students in their third or fourth year of training. The JUMC School of Medicine in English must review and approve applications of URSM&D students submitted by Dr. Ralph Józefowicz to the Dean of JUMC English Program.
- Arrange and pay for student housing for the URMS&D students.

EXCHANGE STUDENT OBLIGATIONS

All students accepted into the exchange program must meet all academic requirements, as detailed by the URSM&D and JUMC.

Jagiellonian University Medical Students

The obligations of the selected students from JUMC will include but are not be limited to:

- Arrange and pay for round trip overseas travel expenses between Krakow, Poland and Rochester, New York.
- Obtain repatriation insurance prior to arrival in Rochester, New York.
- Adhere to the same rules, regulations and requirements required by matriculated URSM&D medical students, which include the technical standards policy, religious observances, medical student honor code, HIPAA requirements, verification of background, and university health requirements. These requirements will be provided to JUMC students prior to the beginning of their studies at URSM&D.
- Contact in writing the New York State Department of Education Office for Medical Education.
- Students from the JUMC Polish language program will have their tuition fee waived by URSM&D, will receive free housing, plus a stipend of \$1000 USD for meals and incidentals.
- Students from the JUMC English language program will be responsible for a tuition fee of \$100 USD per week and will pay for their lodging, meals and incidentals.

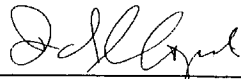
University of Rochester Medical Students

The obligations of the selected students from URSM&D will include but are not limited to:

- Arrange and pay for round trip overseas travel expenses between Rochester, New York and Krakow, Poland.
- Obtain repatriation insurance prior to arrival in Krakow, Poland.
- Adhere to the same rules, regulations and requirements required by matriculated JUMC students, as specified in "Rules for Studying". These requirements will be provided to URSM&D students prior to the beginning of their studies at JUMC.
- Pay for meals and incidentals in Krakow, Poland.

Signed,

For the University of Rochester
School of Medicine and Dentistry



David Guzick, M.D., Ph.D.
Dean of the School of Medicine

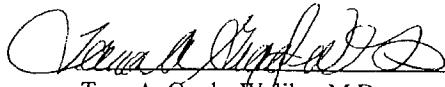
Date: 11/15/04

For the Jagiellonian University
Medical College



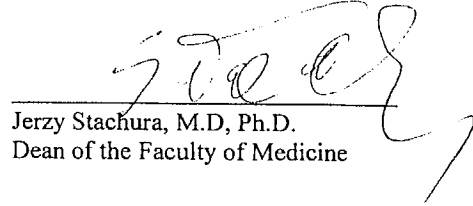
Marek Zembala, M.D, Ph.D.
Vice-Rector for the Medical College

Date: November 15, 2004



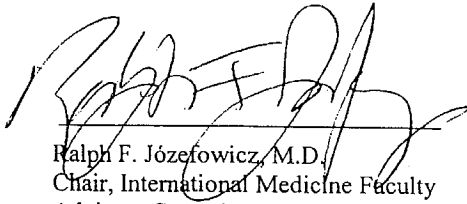
Tana A. Grady-Weliky, M.D.
Senior Associate Dean for Medical
Education

Date: 11/15/04



Jerzy Stachura, M.D, Ph.D.
Dean of the Faculty of Medicine

Date: November 15, 2004



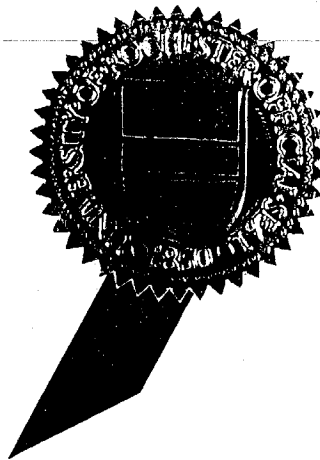
Ralph F. Józefowicz, M.D.
Chair, International Medicine Faculty
Advisory Committee

Date: 11/15/04



Piotr Laidler, Ph.D.
Vice-Dean of the Faculty of Medicine
for International Cooperation and
Education; Head of the Council of the
School of Medicine in English

Date: November 15, 2004



MEMORANDUM OF UNDERSTANDING FOR THE EXCHANGE OF STUDENTS

**BETWEEN
JAGIELLONIAN UNIVERSITY
AND
UNIVERSITY OF TORONTO**

The purpose of this Memorandum of Understanding (MOU) is to establish an affiliation between the Jagiellonian University and University of Toronto for the purpose of a university-wide student exchange.

TERMS OF THE MOU

1. The two parties agree to enter into a university-wide student exchange agreement, commencing in the year 2004.
2. The participating students will register at the host institution for the full academic year or for a minimum of one academic term.
3. The number of participating students will be agreed by both parties by December annually.
4. It is expected that in any given year there will be an equal number of students exchanged from each institution.
5. Notwithstanding Clauses 3 and 4 above, while equal numbers in every year may not be possible, efforts will be made to have equal numbers exchanged over a three-year period.
6. The candidates will be students who are completing an undergraduate or graduate program at their respective institutions.
7. The candidates will be selected by their respective institutions to participate in the exchange, and will then be considered for admission as non-degree special students by the host institutions. Candidates must satisfy admission requirements for special student status, including language proficiency requirements, of the host institution.
8. Participants in the exchange will be required to have completed at least one year of full-time university studies prior to participation in the exchange.
9. Each institution will appoint an individual to act as the coordinator for the exchange.
10. The sending institution will forward the profiles of its candidates to the host institution in April of the application year, and final standing of those students by July of that year.
11. The host institution will notify the successful candidates of their provisional acceptance

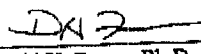
to the institution by May, subject to confirmation of satisfactory examination results in June or July; the host institution will have the right of refusal of any candidate who may appear to be unacceptable for the exchange.

12. The participants in the exchange will pay the tuition and compulsory incidental fees (or any other fees) for the respective program at the home institution prior to departure for the host institution.
13. On arrival at the host institution, the participants of the exchange will not be required to pay tuition and compulsory incidental fees, but may elect to pay non-compulsory incidental fees.
14. Students from the Jagiellonian University will be free to choose courses from the full range of courses available in the division to which they have been admitted at the University of Toronto, provided that they satisfy the individual course prerequisites, and on the understanding that additional selection procedures may be required for courses with limited enrolment.
15. Students from the University of Toronto will be free to choose courses from the full range of courses available in the division to which they have been admitted at Jagiellonian University provided that they satisfy the individual course prerequisites, and other regulations as may be pertinent. University of Toronto students may select courses from the Interdisciplinary Programs in English without paying additional fees; however, they must pay regular fees to enroll in courses offered through the Special Programs in Foreign Languages and Summer Schools.
16. At the end of the academic year/term, the participants in the exchange will request the host institution to send to the home institution a report/official transcript of their academic achievement.
17. Students of Jagiellonian University will be guaranteed credit at their home institution for courses taken at the University of Toronto, provided that their studies have received prior approval by the appropriate authorities at Jagiellonian University, and provided that courses are successfully completed with a minimum grade acceptable to their division at Jagiellonian University.
18. Students of the University of Toronto will be guaranteed credit for their studies at Jagiellonian University, provided that their studies have received prior approval by the appropriate authorities at the University of Toronto, and provided that courses are successfully completed with a minimum grade acceptable to their division at the University of Toronto.
19. Participants in the exchange are not degree candidates and cannot become degree candidates without applying for admission. Participation in the exchange will not attract preferential status.

20. Each participant in the exchange must ensure that they have adequate health and accident insurance coverage. University of Toronto students will be required to purchase accident insurance through Jagiellonian University; the cost of this insurance (in 2004) is 20 PLN. University of Toronto will arrange enrolment in the University Health Insurance Plan (UHIP) at a cost to students of Jagiellonian University; the cost of this insurance in 2004 is \$612.17. UHIP is the only coverage that may be purchased in Canada and it is mandatory for all international exchange students at the University of Toronto.
21. Implementation of this MOU will be in accordance with the University of Toronto's Policy on International Cooperation. This policy states that participants under the Exchange will be selected on the basis of merit without regard to race, national or ethnic origin, colour, religion, age, sex, sexual orientation, marital status or physical handicap. Jagiellonian University and the University of Toronto will each accept the participants selected by the other party if mutually acceptable academic and/or professional qualifications and standards are met. All participants will be treated in the same non-discriminatory manner in carrying out the provisions of the MOU, subject to the provisions of the policies and requirements of each of the institutions. Any violation of these principles will be considered grounds for terminating the MOU.
22. Implementation of this MOU is subject to sufficient funding being procured as appropriate by each institution.
23. The parties will review the terms of the MOU December annually to assess the success of the exchange, and will determine whether to continue, modify or discontinue the MOU. Each party reserves the right to terminate this MOU upon six months written notice to the other.
24. This MOU is made in Polish and in English, and both texts are equally authentic. Each partner shall retain one original copy of the agreement in each language.
25. This MOU shall take effect when signed by both parties, and will remain in effect for a period of five years.

IN WITNESS WHEREOF, the parties hereto have offered their signatures:


University of Toronto



David H. Farrar, Ph.D.
Deputy Provost and
Vice-Provost, Students

Date: Aug 12, 2004

Jagiellonian University



Maria Nowakowska, Ph.D.
Vice Rector for Research and
and International Relations

Date: _____

Appendix C

The curricula are assessed according to the criteria specified below

Course title	
Course length	Number of hours
Number of students	
Prerequisites	
Goal	
Learning objectives: Topics covered	
Schedule of activities: Percentage of out-- and in patient training	
Didactic activities	
Required reading	
Students evaluation methods	

Appendix D

Appendix to School Regulations

Regarding USMLE Step 1 & 2 results/requirements & Postgraduate Training following graduation

(Concerning students of the 4-year M.D. Program in English & the American and Canadian students of the 6-year Program in English)

Students are requested to disclose the scores obtained in taking the USMLE Step 1 and 2 examinations as well as information regarding postgraduate training following graduation. JUCM will not issue copies of transcripts and diplomas to students who do not comply with this request. This data is necessary for the school to assess the effectiveness of its curriculum in preparing students to practice medicine upon graduation and to be in compliance with various international licensing bodies. JUCM, on its part, will guarantee personal data protection as required by pertinent laws and regulations. The data is stored in accordance with the rules of keeping records fixed by the Chancellor of the Jagiellonian University.

USMLE Requirements for American and Canadian Students of the 4-year M.D. Program in English

In order to complete the third year of the 4-year program all students must fulfill the following requirement:

- Take the USMLE Step 1 after completing the second year or during the third year. In order to enter the 4th year, Step 1 score results must be submitted to the Dean's Office.

USMLE Requirements for American and Canadian Students of the 6-year M.D. Program in English

In order to complete the 5th of the 6-year program, all students must fulfill the following requirements:

- Take the USMLE Step 1 after completing the 4th year or during the 5th year. In order to enter the 6th year, Step 1 score results must be submitted to the Dean's Office.

Appendix E

POSTGRADUATE TRAINING PLACEMENT

6-year English program graduates

- Cyrus Loghmanee, MD (Class of 2003): State University of New York, Buffalo, NY – **General Surgery**
- Ephraim Atwal, MD (Class of 2003): Louisiana State University (LSU), LA – **Ophthalmology**
- Irena Zmitrovic MD (Class of 2003): Providence Hospital, Michigan – **Family Medicine**

4-year English program graduates

- Izabela Musial, MD (Class of 1998): Swedish Covenant Hosp., Chicago, IL – **Family Medicine**
- Arthur Przebinda, MD (Class of 1998): Ohio State University Medical Center, Columbus, OH – **Neurology**
- Bartłomiej Leyko, MD (Class of 1999): Michigan State University, Grand Rapids, Michigan - **Internal Medicine**; State University of New York at Stony Brook Nassau, University Medical Center, East Meadow, NY – **Fellowship (Allergy & Immunology)**
- Seema Khosla, MD (Class of 1999): University of Kentucky, KY; Internal Medicine Practice, Grand Folks, ND - **Internal Medicine**
- Karinka Romanowska, MD (Class of 1999): Medical University of South Carolina, Charleston, SC - **Internal Medicine**
- Agnieszka Menclewicz, MD (Class of 2000): Swedish Covenant Hospital, Chicago, IL - **Family Medicine**
- Gregory Chrostowski, MD (Class of 2000): Swedish Covenant Hospital, Chicago - **Family Medicine**
- Munish Khosla, MD (Class of 2000): St Raphael Hospital, New Haven, CT - **Internal Medicine**
- Anna Weissmann (Class of 2000): St Raphael Hospital, New Haven, CT - **Internal Medicine**
- Bruno de Bortoli, MD (Class of 2000): St Raphael Hospital, New Haven,



Jagiellonian University
Medical College, Faculty of Medicine
Dean's Office



Kraków, September 22, 2005

Ms. Patricia Park
Foreign Schools Liaison
Licensing Program
Medical Board Of California
1426 Howe Avenue, Suite 54
Sacramento, CA 95825-3236

Dear Ms Park,

We have now completed the self-assessment process required by the Medical Board of California. We have done our best to offer exhaustive yet concise answers to the questions asked in the Medical School Questionnaire and hope to have provided the Board with sufficient materials to conduct the review process. Thank you for answering our preliminary queries!

Our response presents two programs, a four-year program for graduates of pre-medical schools and a six-year program designed for high school graduates. Both are taught in the School of Medicine in English, which is a structural unit within the Faculty of Medicine of the Jagiellonian University Collegium Medicum in Kraków, Poland. It is on behalf of the authorities of the Collegium Medicum and the University that the present response has been prepared.

The Jagiellonian University, established in 1364 by King Casimir the Great of Poland, is regarded as one of the cradles of the academic tradition in central Europe and has always been an international education center that attracted young, talented people from various parts of the continent. Despite many changes that have occurred over the centuries, international students have always been attracted by the quality of education we offer. Historically, to accommodate such students, courses have been offered in Latin and German. We see our Medical School in English as a contemporary follow-up to this tradition.

Should you have any questions concerning our programs, please, do not hesitate to contact us for any further information, our phone and fax number is (+48 12) 422 80 42.

Thank you in advance for your consideration.

Sincerely Yours,

Prof. Piotr Laidler, Ph.D.
Associate Dean
Faculty of Medicine
Collegium Medicum
Jagiellonian University

Jagiellonian University Collegium Medicum

School of Medicine in English

Self Assessment Report 2004/2005

Prepared for the Medical Board of California

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**Medical Board of California
International Medical School
Self Assessment Report**

I. Introduction:

The purpose of this international medical school self assessment report is to advise international medical schools, either in the recognition process or an update phase, of the areas of medical school function, structure, and performance that will be evaluated in the recognition process. Included are detailed and objective analysis questions that are required for institutional recognition by the Medical Board of California.

If an international medical school meets the requirements set forth in Title 16 California Code of Regulations section 1314.1 (a)(1), then that institution is exempt from this process. Those requirements of Title 16 California Code of Regulations section 1314.1 (a)(1) are as follows: The medical school is owned and operated by the government of the country in which it is located, the country is a member of the Organization for Economic Cooperation and Development, and the medical school's primary purpose is to educate its own citizens to practice medicine in that country.

All other international medical schools seeking recognition from the Medical Board of California that do not fulfill the requirements of Title 16 California Code of Regulations section 1314.1 (a)(1), will be evaluated based upon this self assessment report and a site inspection by the Medical Board of California. An international medical school seeking recognition from the Medical Board of California must pay all site visit fees in order to receive recognition.

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**II. Instructions:**

All responses and information provided in this self assessment report must be accurate and applicable to the international medical school in question. No additional information may be included by the medical institution aside from that which is required by this self assessment report. An international medical school seeking recognition by the Medical Board of California should complete this self assessment report within 18 months after receiving it. The report shall not exceed _____ pages. **If this self assessment report returned to the Medical Board of California is incomplete or inaccurate at the time it is submitted, it will be returned to the international medical school without any further review by the Medical Board of California.** All fees and payments must be received by the Medical Board of California prior to review of this self assessment report.

Each section of this self assessment report shall be completed by the persons most knowledgeable about the corresponding topics. Care shall be taken to ensure the accuracy and consistency of data across sections of the self assessment report (for example, by using a consistent base year for data). The person overseeing the self assessment process shall ensure that the completed self assessment report undergoes a comprehensive review to identify any missing items or inconsistencies in reported information. The school will also need to assemble additional materials for examination by the self assessment groups and later by the site visit team. For example, the school's medical students are asked to conduct an independent evaluation of the international medical school.

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An institutional self assessment task force and its committees shall be responsible for conducting the self assessment report. The project as a whole shall be guided by a self assessment coordinator who has extensive knowledge of the school and its programs, and who has been granted the authority to assure the timely completion of data collection efforts. Each committee will review information from the self assessment and other sources related to its specific charge and generate a report. The time period covered by the data shall be clearly indicated, and shall be consistent throughout the self assessment report. The task force will synthesize the individual committee reports into a final self assessment report that includes a statement of institutional strengths and issues that require attention either to assure compliance with recognition standards or to improve institutional quality.

The self assessment task force should be broadly representative of the constituents of the international medical school, and include some combination of the following: administrators of the international medical school, department chairs and heads of sections, junior and senior faculty members, medical students, representatives of clinical affiliates, and trustees of the international medical school. The self assessment task force might be chaired by the dean or by a senior associate dean, department chair, or senior faculty member. The self assessment coordinator shall provide any needed staff assistance to the task force to facilitate the timely completion of their work.

I have read and understand to the instructions for this self assessment report.

Name **Prof. Piotr Laidler, PhD**

Title **Deputy Dean, Faculty of Medicine UJCM**

Signature

FORCE TASK

Chairman: Prof. Piotr Laidler, mblaidle@cyf-kr.edu.pl

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Krystyna Bajda

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Edyta Stanczykiewicz, MSc
Joanna Florczyk, MA

Preclinical Affairs

Prof. Janusz Marcinkiewicz, MD, PhD
Prof. Wiesław Jędrychowski, MD, PhD
Prof. Wiesław Pawlik, MD, PhD
Maria Kopczyńska-Kowalczyk, MD, PhD
Prof. Ryszard Korbut, MD, PhD
Prof. Piotr Laidler, PhD
Prof. Jan Litwin, MD, PhD
Prof. Eugeniusz Rokita, MD, PhD
Prof. Wojciech Nowak, MD, PhD
Prof. Jerzy Stachura, MD, PhD
Karol Rzehak MD, PhD
Prof. Piotr Thor, MD, PhD
Prof. Irena Roterman-Konieczna, MD, PhD
Prof. Jerzy Vetulani, MD, PhD
Prof. Jadwiga Mirecka, MD, PhD
Prof. Piotr Heczko, MD, PhD
Prof. Beata Tobiasz-Adamczyk, PhD

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Prof. Jacek Składzien, MD, PhD
Krzysztof Fyderek, MD, PhD

Prof. Janusz Andres, MD, PhD
Bogdan de Barbaro, MD, PhD
Prof. Aldona Dembińska-Kieć, MD, PhD
Andrzej Budzyński, MD, PhD
Prof. Roman Herman, MD, PhD
Wojciech Jurczak, MD, PhD
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Sławomir Olszowski, PhD
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Research

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III. Mission and Objectives:

1. Describe the institution's written purpose or mission statement and objectives that include: the institution's broad expectations concerning the education students will receive; the role of research as an integral component of its mission, including the importance, nature, objectives, processes and evaluation of research in medical education and practice; and teaching, patient care, and service to the community.

a) The institution's broad expectations concerning the education students will receive The Jagiellonian University Collegium Medicum School of Medicine in English (JU CM School of Medicine in English) whose program is the object of the present self-assessment is an integral part of the Jagiellonian University Collegium Medicum). The JUCM School of Medicine In English was established in 1994 and it uses JUCM professional staff, facilities and its organizational structure. Our students originate from Norway (162), Canada (73), USA (67) Sweden (7), Belgium, Ireland, Australia, Great Britain, Serbia and Montenegro, Germany, France and other. The JUCM School of Medicine in English is situated in the JUCM building St. Anna 12 in Krakow old city (Poland, 31-008 Krakow, Sw. Anny 12 Str.) tel: + 48 12 422 80 42; fax +48 12 421 28 69.

Because of the JU CM School of Medicine in English affiliation with the University neither the Polish-language not the English-language program has a written statement of purpose other than the general University Mission Statement.

The Jagiellonian University Collegium Medicum including School of Medicine in English (see Fig. IV.1.) is owned and operated by the Polish Government, which is the member of the Organization for Economic Cooperation and Development (OECD) since 1996. The JUCM (including School of Medicine in English) is accredited by the National Accreditation Committee and is recognized by US Department of Education (school code 012223).

The Jagiellonian University purpose is defined in the Jagiellonian University Mission Statement. We enclose the Jagiellonian University Mission Statement as Attachment 1. According to this document the main goals are specified in section I (General Provisions) § 1 and are as follows:

1. The Jagiellonian University was established in order to carry out academic research, to educate and to instruct students. Through its activity and personal example of members of its community, the Jagiellonian University prepares people to solve the tasks of contemporary life, participates in the development of science, healthcare, art and other spheres of life, educates and instructs students, as well as the academic staff, according to the principles of humanism and tolerance, in consideration for truth and conscientious work, the respect for human rights and human dignity, patriotism, democracy, honor and responsibility for the Society and Nation.
2. The Jagiellonian University performs its tasks in co-operation with the national and foreign educational centers, academic, cultural, educational and economic institutions, as well as with healthcare centers.

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3. The Jagiellonian University Collegium Medicum educates medical students in basic and clinical sciences to be able to practice medical profession. Students gain the basic knowledge and clinical skills to provide competent medical care for the patients.
4. Medical education (in basic and clinical sciences) includes also social education of medical students aimed at forming professional attitudes towards patients and developing communication skills with patients.
5. The development of ethical professional attitudes including the establishing of proper personal relationship with the patient and his/her family is also an integral part of the didactic process.
6. The students also develop the holistic attitude towards the patient to be able to analyze the patient as a whole, including not only the physical health aspects but also the psychosocial environment of the sick person.
7. Medical students are also expected to gain the knowledge of diseases prevention and of how the interventional medicine influences the patients' quality of life.
8. Goals of medical education are as follows:
 - to acquire the knowledge of achievements in basic sciences concerning physiology, pathology, biochemistry, immunology and genetics which develop the understanding of basic pathological processes;
 - to acquire the basic theoretical knowledge concerning the internal medicine, pediatrics, surgery, psychiatry, gynecology and obstetrics;
 - to acquire the ability to combine the theoretical and practical knowledge and gain clinical skills necessary to provide the competent medical care;
 - future doctors are also taught to understand that a part of their professional obligation is to follow all current information in medical field and pursue self-improvement.
- b) The role of research as an integral component of its mission including the importance, nature, objectives, processes and evaluation of research in medical education and practice
9. The main objective of the Jagiellonian University is to carry out academic research in affiliated hospitals. The research programs are carried out by the Collegium Medicum researches. The research is an integral part of the Jagiellonian University mission and enables providing up-to date education for medical students and up-to date medical care. The Jagiellonian University is responsible for the procedure of conducting research and the evaluation of its results. Processes and evaluation of research programs are supervised by the Collegium Medicum Office for Scientific Research using human tissues and other human specimens require the approval of the Ethical Commission of the Jagiellonian University.
10. The nature of research programs carried out at the Jagiellonian University Collegium Medicum which includes the School of Medicine in English is complex. Each department of the Collegium Medicum carries out research related to the departmental specialty and specificity. Carrying out research programs in co-operation with other academic health centers at home and abroad makes it possible to exchange information, improve qualifications of the staff, update information conveyed to students and utilize it in healthcare. Students learn to conduct research work and utilize their results in practice.



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c) Teaching, patient care, and service to the community

11. Beside teaching students and carrying out research the Jagiellonian University Collegium Medicum provides the postgraduate training and specialization programs in affiliated hospitals. The residents' training is managed and supervised by specialists according to the rules defined by the Polish Ministry of Health
 12. The Jagiellonian University affiliated hospitals provide basic medical services for the local community (for approximately 725 000 inhabitants of the Krakow City) and highly specialized medical services for the Malopolska Region- 3.500.000 inhabitants. Medical staff employed at the Jagiellonian University affiliated hospitals are responsible for medical services but also supervise the work of other regional hospitals. The Jagiellonian University Collegium Medicum affiliated hospitals play the superior role with regard to regional hospitals (in the Malopolska Region).
2. Describe how the institutional objectives are consistent with preparing graduates to provide competent medical care.

The objectives formulated in the Jagiellonian University Mission Statement are to carry out academic research, educate and instruct.

Education and instruction of students

The education of students is provided by highly professional academic staff on high educational level. A group of experts of the Jagiellonian University Educational Board prepares an educational program and curriculum. A comprehensive educational program and curriculum are prepared by the Jagiellonian University Collegium Medicum Educational Board composed of experienced academic researchers, specialists in didactics and doctors who cover every field of interest. Beside teaching students in affiliated hospitals residents are instructed in all medical disciplines.

Research

The conducting of research and cooperation with other outstanding educational national and foreign centers also ensures high research and educational level. The ongoing process of updating of information to be conveyed to students as well as conducting research enables the introduction of new medical procedures improving the quality and efficiency of medical care.

Students participate in the development of science, healthcare and other spheres of life. Thus, they gain fundamental education and they develop to become doctors capable of providing competent medical care in accordance with all the principles of humanism and tolerance, with respect for human rights and dignity, using the best knowledge they were taught.

The Jagiellonian University Mission Statement is enclosed as Attachment 1.



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3. Describe how students learn how medical research is conducted.

Carrying out research programs is the main goal of the Jagiellonian University, as it is stated in § 2 of the Jagiellonian University Statute section 1 enclosed as Attachment 1:

“The Jagiellonian University acts according to the principle of the freedom of academic research and education”.

Students participate in research projects conducted by researchers at the Jagiellonian University to learn how they are carried out, how the realization of these projects with respect the human rights and dignity proceeds, and finally how the results of these projects are applied in the clinical treatment.

Research programs are carried out in all the Jagiellonian University Collegium Medicum Clinics.

Students are able to participate in research programs in different ways.

1. Participation in research projects conducted by researchers who are authors of these projects and who at the same time are responsible for the education of students. Students are able to observe, but also participate in research programs through selecting groups of patients, collecting data, analyzing results, formulating conclusions and implementing the research program results in clinical practice.

2. Students are able to conduct their own research programs within the framework of the Student’s Scientific Society (comprising all Student’s Scientific Circles), which is the oldest organization of this kind in Poland. In 2004 the Jagiellonian University approved of 20 research projects drawn up by the Student’s Scientific Society. Every institution within the Jagiellonian University Faculty of Medicine has its own section for the Student’s Scientific Society, which is guided by researchers in institutions belonging to Jagiellonian University. Until now, 57 Student’s Scientific Sections have been available for students. Every student can participate free of charge in meetings, seminars, research programs, and create his/her own projects. The Student’s Scientific Society has its own website: www.stn.cm-uj.krakow.pl. Students confront their work and papers during the International Student’s Conference of Medical Sciences once a year in spring (April 21-23 in 2005). This event has also its history - it used to be organized as a national medical students’ festival from 1950-ies to 1994 when it was transformed into an international event. The papers are published in the form of an abstract book in “Przegląd Lekarski” /“Medical Review”/ (the oldest polish paper since 1862), also available in Medline. During the current year 9 students from the JUCM School of Medicine in English presented papers at the International Students’ Conference of Medical Sciences, 21-23 April 2005 (from the Chair of Physiology – Edward Pawłowski, John Czarnecki, Michał Pasiorowski presented the topic: Defense system of gastric mucosa., 6 other students presented the following topics: Endovascular repair of an aneurysm, Prehospital



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thrombolysis therapy, Future of interventional vascular medicine).

4. Provide an assessment of how students evaluate & apply medical research results to their patient population.

Students are enrolled in research programs as described above. Various medical research programs are carried out at the Jagiellonian University including epidemiological analyses, the application of medicaments, histopathological analyses of resected tissues, genetic analyses etc.

In 2004 Collegium Medicum which includes the School of Medicine In English students were allocated 20 grants for the research programs carried out by the Student's Scientific Society (www.stn.cm-uj.krakow.pl).

Students are expected to participate in all research programs according to the realization of educational program from basic and clinical sciences implemented in all institutions of the Jagiellonian University. Students participate in all stages of research projects. They are involved in the selection of patients groups and control groups, the method used in the program, the analysis of obtained results and the process of formulating conclusions. They are also able to observe the application of obtained results in clinical practice and this way they learn how to apply academic research in their patient population.

5. Describe how students participate in ongoing faculty research project.

The students are enrolled in all stages of the research programs carried out at the University.

Selection of patients: students observe and participate in the process of selecting patients and dividing them into groups and subgroups, participate in informing patients and collecting their consents. Foreign students are able to communicate with patients in Polish because they attend the Polish language course, and with their teacher's or fellow students' help. Many students of the JUCM School of Medicine in English speak Polish as they have Polish roots. Persons who do not speak Polish undergo an intensive course which enables them to communicate with patients. Groups are composed in such a way as to include at least one person speaking fluent Polish.

Methodology: students have an opportunity to observe the method that is used to realize the project, can learn how to use the method and apply it in the future.

Results: students participate in collecting data, learn how the material should be coded anonymously and afterwards decoded and analyzed using statistical methods. Students are able to learn how statistical methods are applied in real research program and how computer aided analysis is carried out.

Conclusions: students participate and propose conclusions.

Students learn how the obtained results and provided conclusions influence the current



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knowledge and how they can be applied in the clinic. They participate also in preparing manuscripts describing the results of research projects.

In conclusion, the educational program realized in the Collegium Medicum (which includes the Polish-language 6-year program and English-language 4-year and 6-year programs. See: Fig. IV.1.) prepare students to conduct their own research and apply obtained results in their medical practice. They also become aware of problems that appear in the course of research projects realization and are taught how to solve them. They are shown how human rights are respected and demonstrated how the protection of personal data is provided and problems concerning the obtaining of tissue samples from patients solved according to the law.

6. Describe the breadth of the research involvement of basic science and clinical departments

All departments and institutions of the Jagiellonian University Collegium Medicum carry out their own research programs. Research programs can be also realized in cooperation between departments within the Jagiellonian University Collegium Medicum and also between the Jagiellonian University departments and foreign universities. The School of Medicine in English is an integral part of the Jagiellonian University Collegium Medicum so all the data presented refer to the School of Medicine in English.

In 2004 more than 500 research programs were carried out in the Jagiellonian University Collegium Medicum.

Table III. 1. The number of research programs carried out in the Jagiellonian University Collegium Medicum basic and clinical departments.

Table III.1.

Institution	Number of assigned research programs in 2004
General Surgery Chairs (incl. First, Second and Third Chairs)	65
Internal Medicine Chairs (incl. Chair of Internal Medicine and Gerontology, Chair of Internal Medicine, Allergy and Immunology, Chair of Family Medicine, Chair of Country Medicine)	28
Chair of Gynecology and Obstetrics	18
Polish-American Children's Hospital (incl. chairs of general pediatric surgery with cardio surgery clinic, clinical immunology and transplantology, cardiology, endocrinology, nephrology, hematology, neurology, oncology, gastroenterology and other)	33
Chair of Otolaryngology, Head and Neck Surgery	6



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Chair of Metabolic Diseases	5
Chair of Clinical Biochemistry	16
Collegium Medicum Cardiology Institute (incl. Clinics: Coronary Diseases, Electro cardiology, Diseases of Heart and Big Vessels, Interventional Cardiology and Hemodynamic, Angiocardiology)	29
Chair of Epidemiology and Prevention Medicine (incl. Department of Medical Sociology)	10
Medical Biochemistry Institute	23
Chair of Cardiosurgery and Transplantology	3
Chair of Infectious Diseases and Hepatology	8
Chair of Dermatology	4
Chair of Endocrinology	6
Chair of Gastroenterology	8
Chair of Hematology	7
Chair of Nephrology	5
Chair of Ophthalmology	9
Chair of Oncology	2
Chair of Urology	5
Chair of Psychiatry (incl. Adult Psychiatry Clinic, Children and Youth Psychiatry, Psychotherapy)	15
Chair of Rheumatology and Balneology	3
Chair of Anesthesiology and Intensive Care (incl. the Department of Pain Management)	7
Chair of Radiology (incl. interventional radiology)	2
Chair of Clinical Immunology	5
Chair of Histology	4
Chair of Anatomy	10
Chair of Pathomorphology	7
Chair of Pathophysiology	5
Chair of forensic Medicine and Thanatologia	4
Stomatology Institute (incl. Maxillo-Facial Surgery Clinic, Stomatological Prosthetic, Conservational Stomatology, Orthodontics)	39
Chair of Epidemiology and Prevention Medicine	10
Chair of Pharmacology	13
Chair of Physiology	21
Department of Bioinformatics and Telemedicine	14
Department of Hygiene and Ecology	4
Department of Developmental Biology	3



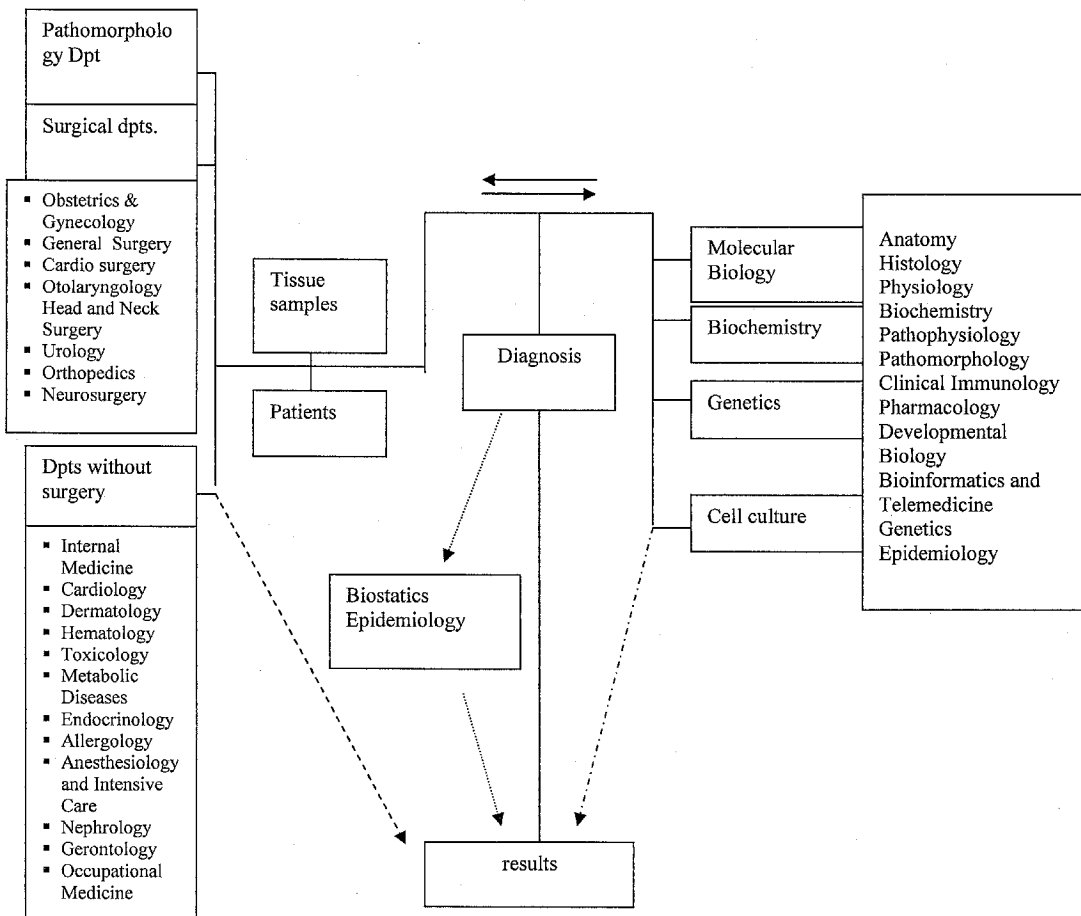
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Department of Ergonomics and Effort Physiology	2
Chair of Microbiology	5
Department of Biophysics	2
Chair of History of Medicine	1

Fig. III.1 The involvement of research in basic and clinical sciences.



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7. Describe the infrastructure supporting research including departmental or individual research incentives.

The Jagiellonian University Collegium Medicum, which is owned and operated by the Polish Government, carries out research projects supported and financed mainly by the Ministry of Science and Informatization. Within this financial support the research projects are granted by competition which is announced twice a year. Some research programs are also conducted by companies in cooperation with the Jagiellonian University Collegium Medicum. These programs are financed totally or partially by companies. Their rules are formulated by mutual agreement.

Other financial resources are granted by the European Union in cooperation with other EU countries. The whole infrastructure supporting research in the Jagiellonian University Collegium Medicum is presented graphically below.

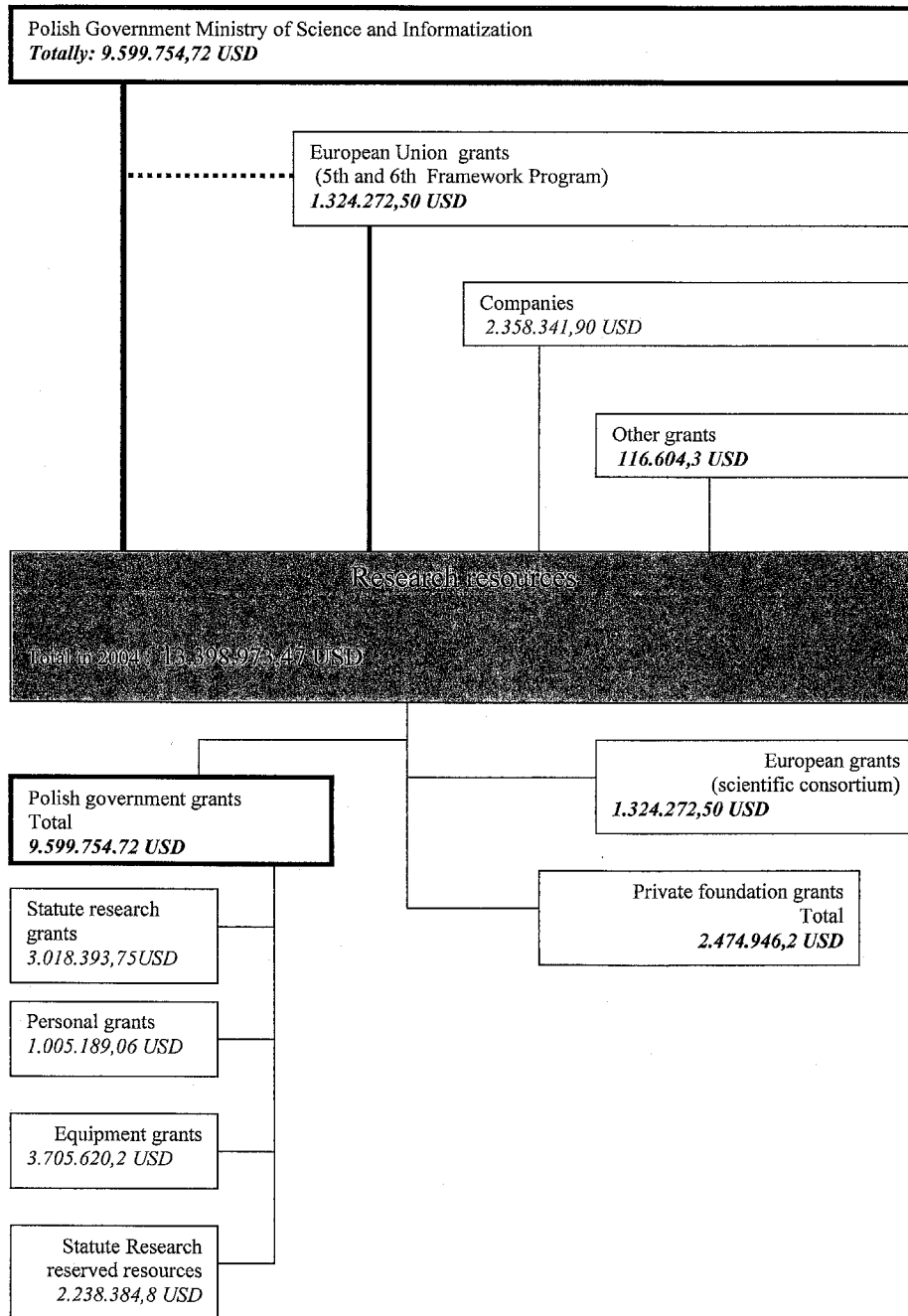


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Fig. III.2 Grants





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8. Describe the written objectives for the courses.

The aim of the Jagiellonian University Collegium Medicum School of Medicine in English is to educate and instruct. In order to attain these objectives the educational program is jointly prepared by all departments providing didactics. These departments lay down the main objectives of the courses.

The detailed description of the objectives of particular courses is presented in the Curriculum Description for 6-year program students and 4-year program students which are enclosed as Attachment 2.

9. Describe how the objectives are used as part of program planning and evaluation.

Objectives of particular courses, laid down by departmental academic staff, constitute the basis for the process of program forming and evaluating. The detailed description of the program planning and evaluation is presented graphically in Fig. V.1, the curriculum planning and evaluation are presented graphically respectively in Fig. V.2, V.3.

10. Describe how students are made aware of these objectives.

Each student receives the Curriculum (see Attachment 2) which provides detailed information of objectives, topics, locations, departments, directors and length of every course.

11. Complete the attached Student Status Information Chart and provide no further information than that which is required in the chart.

See Tables III.2.. and III.3. below.

Table III.2. 4-year educational program student status information.

<i>Academic Year*</i>	<i># of Students Admitted</i>	<i># of Students Dropped Out[^]</i>	<i># of Students Dismissed[^]</i>	<i># of students on leave of absence[^]</i>	<i># of students graduated</i>	<i># of students in U.S. post-grad training</i>	<i># of students in non U.S. post-grad training</i>
2000/2001	26	2	2	2	19	*	*
2001/2002	19	1	3	2	16		
2002/2003	18	-	1	-	21		
2003/2004	23	-	3	2	24		
2004/2005	32	n/a	n/a	-	18	-	-

* the School of Medicine in English is not obligated to collect such data. It has no right to disclose any such information to any third parties according to Polish law.



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Table III.3. 6-year educational program student status information.

<i>Academic Year*</i>	<i># of Students Admitted</i>	<i># of Students Dropped Out[^]</i>	<i># of Students Dismissed[^]</i>	<i># of students on leave of absence[^]</i>	<i># of students graduated</i>	<i># of students in U.S. post-grad training</i>	<i># of students in non U.S. post-grad training</i>
2000/2001	29	2	2	5	16	*	*
2001/2002	35	3	1	5	24		
2002/2003	32	1		2	25		
2003/2004	43			1	22		
2004/2005	39		2	2	28	-	-

* the School of Medicine in English is not obligated to collect such data. It has no right to disclose any such information to any third parties according to Polish law.

12. Attach a list of the names of all students in post graduate training programs in the United States, the locations of their post graduate training programs within the United States and the specialty of the individual post graduate training programs. Limit the information to pertain to the last three years.

The students are not obligated to provide any information concerning their further plans to the School of Medicine in English. The School of Medicine in English is not obligated to collect such data. It has no right to disclose any such information to any third parties according to Polish law. Neither has it the right to require such information from its students.

Consequently, the details which are at the School's disposal are incomplete and have not been cleared for disclosure.



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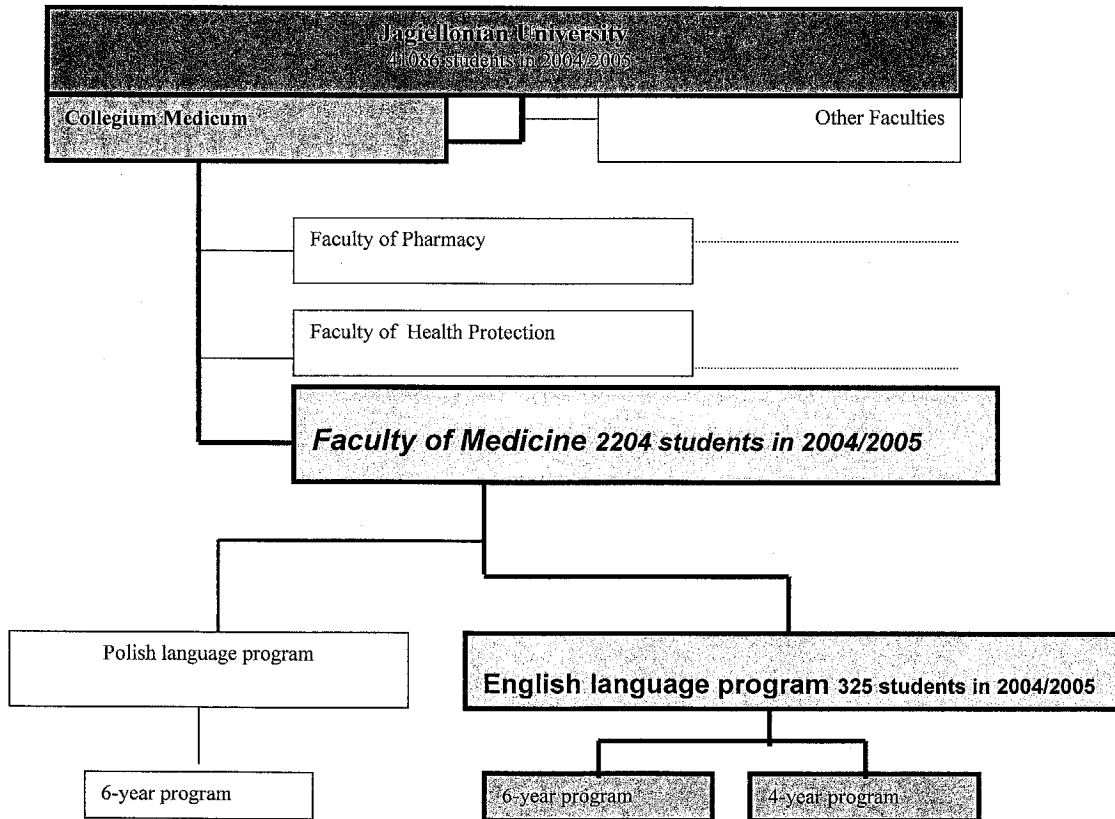


IV. Organization:

1. Describe the manner in which the institution is organized and where it is documented in writing.

The Jagiellonian University Statute determines the manner in which the Jagiellonian University is organized, the Statute is enclosed as Attachment 1. The organization of the Jagiellonian University including the Collegium Medicum and the School of Medicine in English is graphically presented below.

Fig.IV.1. School of Medicine in English within the Jagiellonian University



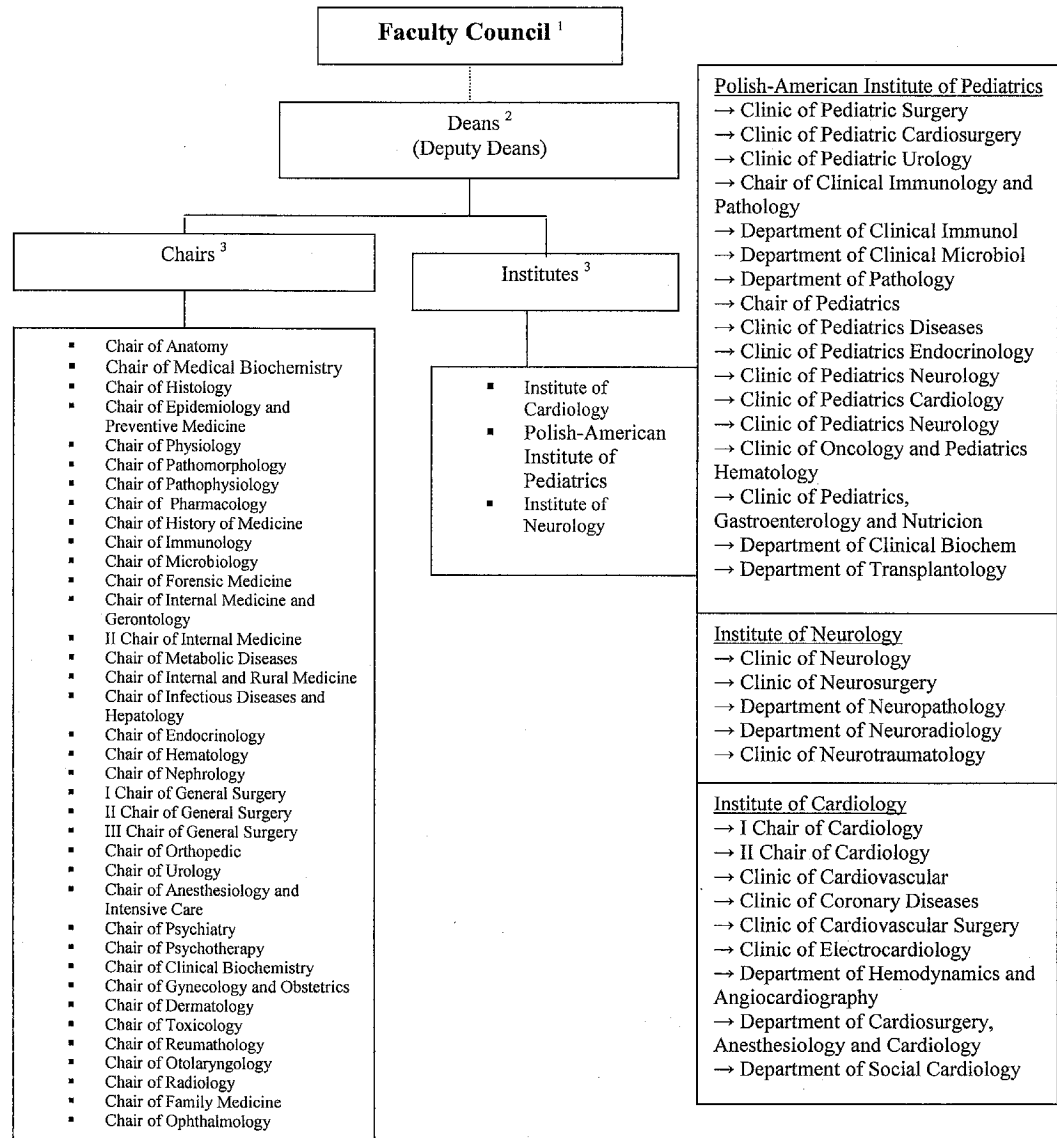


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Fig. IV.2. Structure of the Faculty of Medicine- chairs, clinics, institutes, departments



1. Faculty Council is composed of all professors and all academic teachers with the position of associate professor and representatives of academic teachers without the position of assistant professor (elected from employees working at the university) as well as representatives of students (elected from students self-governing body) who are elected every four years
2. Presented in point IV.2 .
3. Heads elected from among professors and academic teachers with the position of associate professor by Faculty Council every three years.


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2. Provide a list of the names of the board of directors, their qualifications, their financial interests in the medical institution and their curriculum vitae.

The Jagiellonian University is an institution managed and financed by the Polish Government. The principles of its organization are laid down in the Mission Statement. The governing bodies of the University are the Rector and the Senate (composed of the Rector, Deputy Rectors, Deans, Deputy Deans and representatives of all academic staff and students). The Rector, Deputy Rectors, Deans and Deputy Deans are supervisory bodies supported by administrative bodies which are subordinated to the Rector (see Fig. IV.3 below).

The equivalent to the board of directors are Deans and Deputy Deans according to the organizational structure of the Jagiellonian University Collegium Medicum (see Fig. IV.3).

Deans and Deputy Deans receive basic remuneration and additional payment for the posts held from the Jagiellonian University Collegium Medicum.

The board of directors and all required details are presented below in Table IV.1.

Table IV.1

Dean of the Faculty of Medicine

Name	Wojciech Nowak
Position held	professor, I Chair of General Surgery, the Jagiellonian University Collegium Medicum head, Chair of Anatomy, the Jagiellonian University Collegium Medicum
Office address:	40 Kopernika St., 31-501 Krakow
Birth date:	September 21, 1949
Nationality	Polish
Education and Scientific Degrees	1974 - graduated from the Jagiellonian University Collegium Medicum with a Diploma of a Physician 1982 - Doctor's Degree 1997 - Habilitation - Associate Professor 2003 - Professor's Degree
Career-related activities	Deputy Dean of the Faculty of Medicine, the Jagiellonian University Collegium Medicum, 1999-2002, 2002-2005 Dean of the Faculty of Medicine, the Jagiellonian University Collegium Medicum, 2005-2009
Visiting Professor	1986, Chirurgische Universitäts Klinik und Poliklinik Würzburg, Germany; 1993, Istituto di I Clinica Chirurgica Generale, Università La Sapienza, Rome, Italy; 1994, Department of Surgery, Medizinische Klinik mit Poliklinik der Universität Erlangen, Germany; 1995, 1996, Medizinische Hochschule Hannover, Klinik für Abdominal- und Transplantations- Chirurgie, Germany; 1995, 1 st International Course on Organ Transplantation, Rome; 1999, 2001, Breast Cancer Center, Denver USA
Membership	Society of Polish Surgeons; Polish Association of Gastroenterology; Polish


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in Assoc. and Scientific Organizations Section of Endocrine Surgery at the Polish Endocrine Society; Society of Physicians; Polish Ultrasound Society, Polish Anatomical Society; L.Rydygier Association; International Society of Surgery; European Association for Endoscopic Surgery; European Society of Surgery (Board Member)

Participation in the research projects The studies on improving the detectability and on the prognostic factors in preinvasive ductal breast cancer in situ.
 Postoperative gene therapy in colon cancer and primary liver cancer using antisense and triplex anti-IGF-I.
 Disturbances of retinoid metabolism in the liver stellate cells as a factor of liver fibrosis in humans and experimental animals.
 The use of transgenase in the genetic modification of pigs to make organs for transplantation in humans.
 The studies on the improvement of curability of gastric cancer based on the multicenter randomized clinical studies on the new methods of surgical and combined treatment as well as epidemiological investigations.
 The studies on the limits of radicality in the surgery of primary and secondary liver tumors.
 Quantitative Contribution of Technologies to Diagnosis of Jaundice – International European Union Program.
 The use of hyperthermia and cryotherapy in the treatment of liver metastases.
 Author and co-author of 121 publications, 258 contributions, at the Polish and international congresses and 6 monographs

Publications

Deputy Deans
Name: **Tomasz Grodzicki**
Position held: professor, the Jagiellonian University Collegium Medicum head, Chair and Department of Internal Medicine and Gerontology of the Jagiellonian University Collegium Medicum
Office address: Śniadeckich 10, 31- 531 Krakow
Birth date: March 16, 1959
Nationality: Polish
Education and Scientific Degrees: 1984 - graduated from the Jagiellonian University Collegium Medicum with a Diploma of a Physician
 1994 - Doctor's Degree
 1999 - Habilitation - Associate Professor
 2003 – Professor's Degree
Career-related activities Deputy Dean of the Faculty of Medicine, the Jagiellonian University Collegium Medicum, 2005-2009
Visiting Professor 1990/1991 Hypertension Division, A.Ochsner Foundation, New Orleans, USA,
 1996 Dept. of Geriatrics, Hammersmith Hosp., London, UK
 1999 Dept. of Hypertension, Leuven, Belgium
Membership in Assoc. and Scientific Organizations: Polish Society of Hypertension
 Polish Society of Gerontology
 European Society of Hypertension
 International Society of Hypertension
 European Academy for Medicine of Ageing
Participation in the research The major field of his research is focused on geriatrics, heart failure,


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Visiting Researcher, Department of Chemistry and Biochemistry,
 University of South Carolina, Columbia, USA

**Participation in
 the research
 projects:**

My major scientific interest focused for years on protein chemistry and enzyme structure-function relationships, in particular arylsulfatases and phosphatases from human tissues and their structural characteristic (crystallography, glycosylation, glycan structure), involvement and the possible role in some cancers. Recently I have been mostly involved in cell and molecular biology based studies on expression of adhesion molecules and signaling pathways molecules in respect to their role and participation in tumor genesis and cancer progression. I am the author and coauthor of more than 60 papers published or submitted into recognized and reviewed international journals as well as nearly 100 scientific communicates presented on polish and international biochemical congresses and symposia.

Name: **Tomasz Mach**
Position held: professor, Jagiellonian University Medical College
 head, Department of Gastroenterology, Hepatology and Infectious Diseases of the Faculty of Medicine.
Office address: Śniadeckich 5, 31- 531 Krakow
Birth date: October 25, 1950
Nationality: Polish
Education and Scientific Degrees: 1974 - graduated from the Medical Faculty of the Jagiellonian University with a Diploma of a Physician
 1981 - Doctor's Degree
 1994 - Habilitation - Associate Professor
 2004 - Professor's Degree
Career-related activities Deputy Dean of The Faculty of Medicine of Collegium Medicum, Jagiellonian University from 2005
Fellowships 1981 - 82 Postdoctoral research fellowship (12 months), Division of Gastroenterology, Department of Gastroenterology (Chief: Prof. Dr. K.J. Ivey), University of California, Irvine, USA
 1990 Research Fellow (12 months), Division of Gastroenterology (Chief: Prof. Dr. A. Tarnawski), Dept. of Medicine, University of California, Irvine, U.S.A.
Membership in Assoc. and Scientific Organizations: Polish Association of Gastroenterology (member of local board)
 Polish Assoc. of Epidemiologists and Physicians of Infectious Diseases (local president)
 Polish Assoc. of Hepatology
 Polish Assoc. of Internal Medicine
 Polish Assoc. of Physicians
 International Society for Infectious Diseases
Participation in the research projects: pathogenesis of ulcer disease, effect of drugs on the GI tract mucosa, new methods of hepatitis viralis treatment, changes of upper GI tract in HIV-infected patients, pathogenesis of ulcerative colitis, fatty liver in metabolic diseases
Publications: Author of 110 papers, 138 abstracts presented during international and local congresses and meetings.

Name: **Krystyna Stefko**
Position held: Assistant Professor, Jagiellonian University Medical College,



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Department of Clinical Biochemistry, Polish-American Institute of Pediatrics
Jagiellonian University

Office address: 256 Wielicka St., 31-501 Krakow

Birth date: September 12, 1951

Nationality: Polish

Education and Scientific Degrees: 1974 - Master degree in Chemistry, Jagiellonian University, Department of Mathematics, Physics and Chemistry
1979 - Doctor's Degree, Faculty of Medicine, Medical Academy
1982 - Habilitation - Associate Professor

Career-related activities 1984, 1987 - training in University of Rochester, USA
1989-1990 - a position as a fellow and instructor in the Isaac Gordon Center for Digestive Diseases and Nutrition, University of Rochester School of Medicine
1991, 1992 - visiting scientist, University of Rochester, USA

Membership in Assoc. and Scientific Organizations: the member of American Association of Clinical Chemistry, International Association of Pediatric Laboratory Medicine and Polish Association of Laboratory Diagnostic.

Participation in the research projects: Since 1990, due to a cooperation with Department of Gastroenterology and Hepatology at the University of Rochester I was engaged in problems connected with pancreatic secretion and secretion of bile. Following the studies initiated by Dr. W.Y. Chey and his group, I worked on purification of secretin releasing peptides from rat intestinal mucosa. The results of these studies were presented in the form of oral presentation at major international meeting: AGA – Digestive Disease Week in 1991 and 9th International Symposium on Gastrointestinal Hormones in Belgium (Abstracts: Gastroenterology 1991, 100:667A, Regulatory Peptides 1992, 40:258).
I participated also in the studies concerning the secretion of bile in the rat and in the guinea pig. The results have published in the form of abstracts in Gastroenterology, and the paper dealing with the effect of proglumide, CCK receptor antagonist, on the secretion of glutathione in the bile has been published in Dig.Dis.Sci 1994, 39,9,1974-1980.
1987, Rochester: the effect of intraduodenal administration of sodium oleate on pancreatic secretion and the release of some intestinal hormones.
The latest work: the regulation of entero-insular axis in children with eating disorder (paper presented on International Symposium on Regulatory Peptides in Michigan, USA, Dig.Dis.Sci.1998), plasma levels of leptin in children after cranial irradiation (International Symposium of Pediatric Laboratory Medicine, Portugal), plasma leptin in children with different nutritional status (Ann.Diag.Paediatr.Pathol. 1997,1,188-189), hormonal changes in children with early onset of epilepsy (Regulatory Peptides 1996,64,185), reference intervals for thyroid hormones in hospitalised children (International Congress in Clinical Chemistry London 1996)
In the cooperation with other department in Medical School I participated in research connected with plasma leptin level in pre- and postmenopausal women (IFCC Congress Switzerland, 1997), fatty acid composition of free fatty acid fraction of blood serum in patients with acute pancreatitis (Br.J.Surg. 1997,84,s.2,133) and research connected with pathology of recurrent stones in patients with cholelithiasis.
Currently my research is sponsored by KBN grant connected with regulation



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of entero-insular axid in children with eating disorder and Jagiellonian University grant connected with plasma leptin and GIP level in children with different type of feeding. Also, I participate in KBN grant connected with determination of factors responsible for reccurent stones in patients with chilelithiasis (together with Surgery Department).

Publications: Author and co-author of of 44 papers, mostly in Polish journals, and 56 participations in scientific meeting, half of them were international meeting, and 24 presented papers were published in journals like Gastroenterology, Regulatory Peptides, Dig.Dis.Sci, Br.J.Surg.

Name: Jan Zapala
Position held: Jagiellonian University Medical College head, Chair and Clinic of Maxillofacial Surgery of the Faculty of Medicine.
Office address: Os. Złotej Jesieni 1, 31-826 Krakow
Birth date: October 19, 1952
Nationality: Polish
Education and Scientific Degrees: 1976 - graduated from the Division of Dentistry of the Jagiellonian University
 1986 - Doctor's Degree
 1980 - Habilitation - Associate Professor
 1990 - Professor's Degree
Career-related activities: Deputy Dean of The Faculty of Medicine of Collegium Medicum, Jagiellonian University 2002-2005, 2005 till now
Fellowships: 1994, 2003 training in Mexico, Switzerland, Finland
Membership in Assoc. and Scientific Organizations: Polish Dentistry Association, Polish Association of Maxillofacial Surgery, European Association of Maxillofacial Surgery, Polish Association of Plastic and Reconstruction Surgery
Participation in the research projects: Preparing and implementing own procedures in patients with post traumatic optic nerve neuropathy
 Uniformity of procedures in patients after frontal sinuses traumas
 Implementation of intra-oral surgical approach in condyloid process fractures
 Implementation of triple-wall orbital decompression in Grabes- Baseodv disease
 Distention of surgical approach in correction surgery of genetical malformations (Le Fort II and Le Fort III osteotomy)

Publications: Over 50 publications in the fields of dentistry

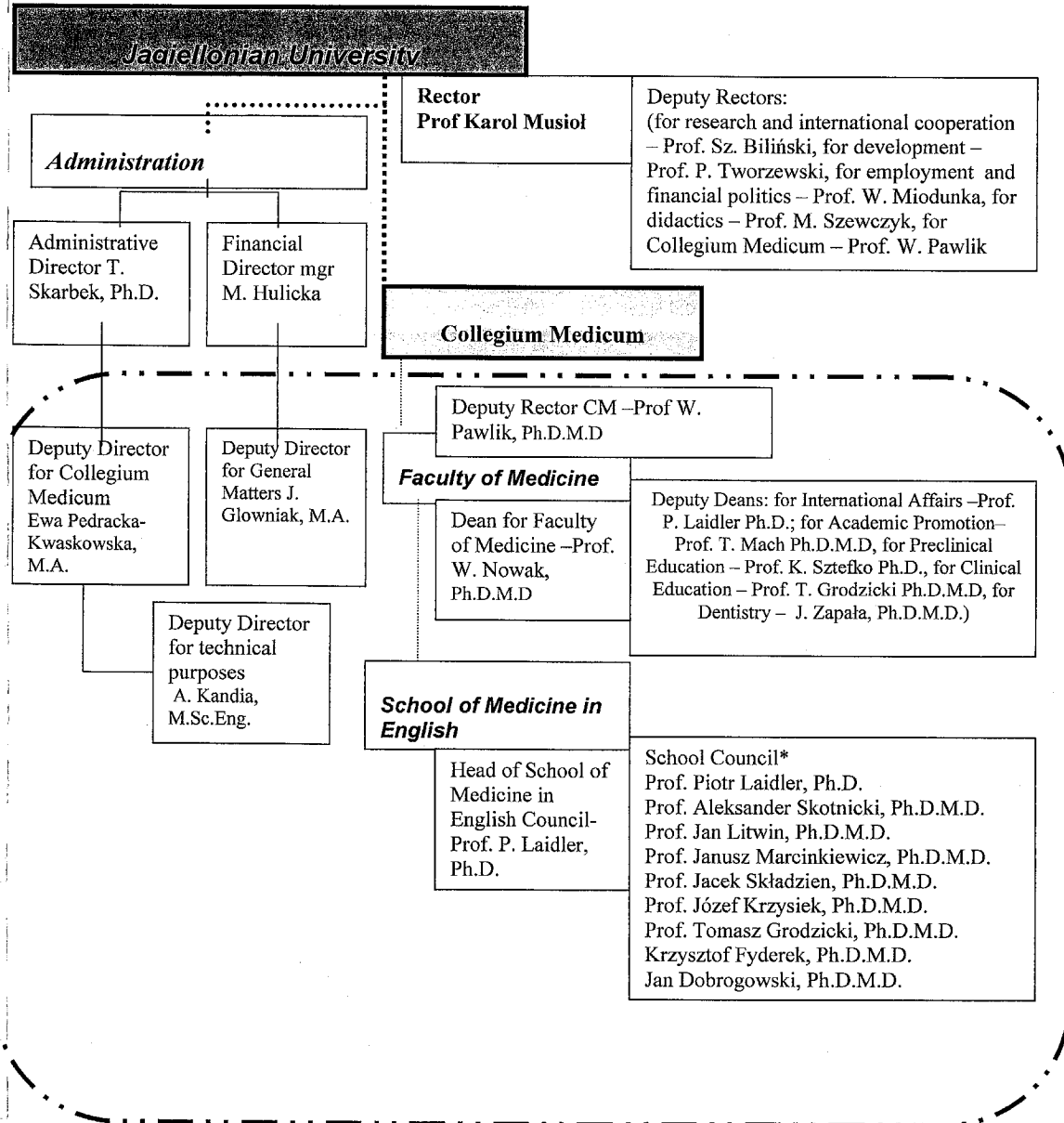
3. Attach a list of the names of all officials other than faculty members and board of directors along with the names of their positions. Provide no further information aside from their names and title of position.


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Fig. IV.3 Governing bodies and administration system of the Jagiellonian University.



*School Council comprises 9 fellows from Faculty Council elected every 3 years after the University authorities election, Deputy Rector for Collegium Medicum and Dean for Faculty of Medicine.

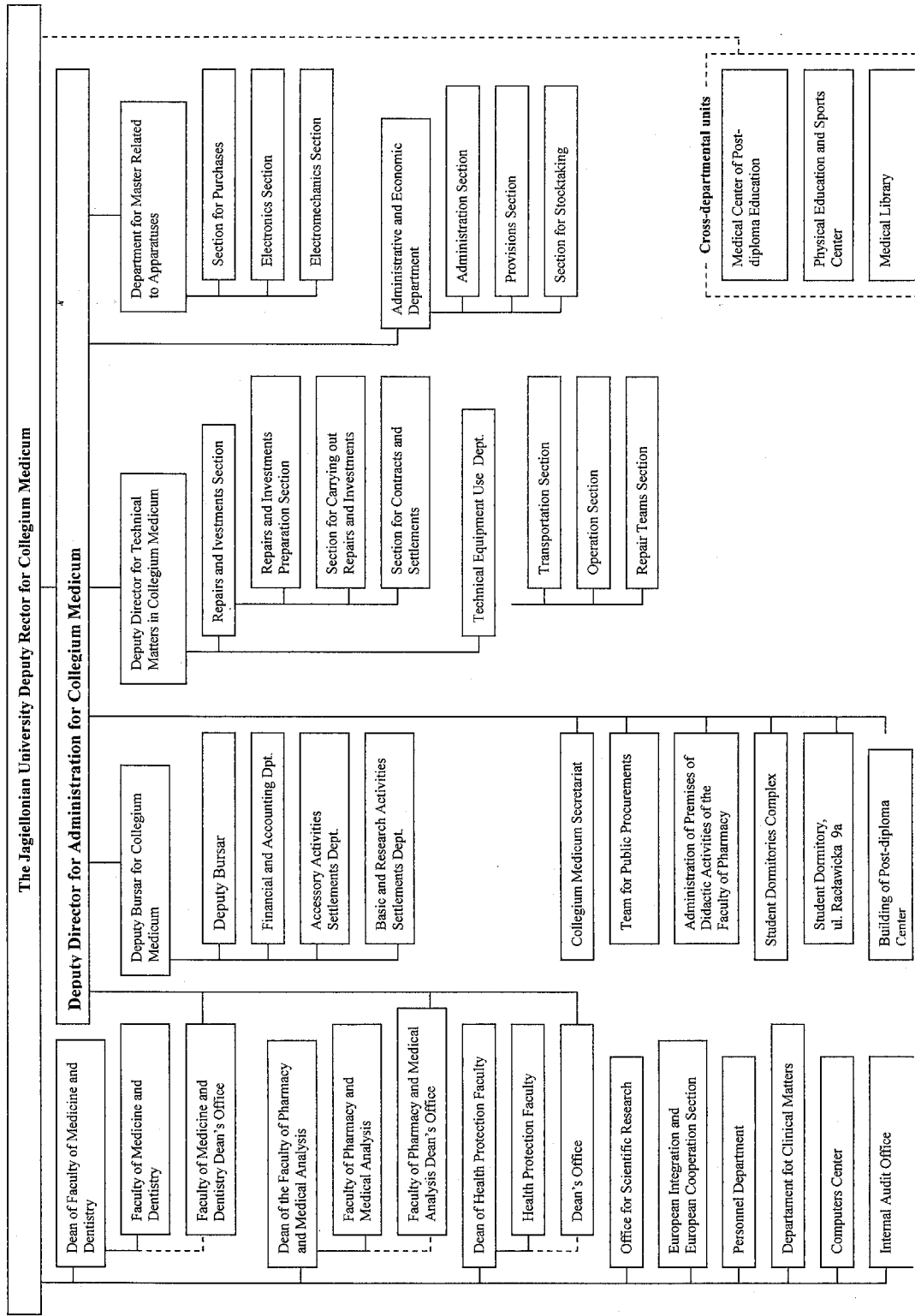


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Fig.IV.4 Administration structure. Attached separately.

Fig. IV.4. Collegium Medicum Organizational Structure



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**V. Curriculum:**

1. Can students receive a certificate of completion without passing either step 1 or step 2 of the USMLE?

Every student graduating from the Jagiellonian University Faculty of Medicine receives a diploma. The diploma provides the student's personal details (surname, given name, date of birth, identification number), and states the precise kind of received education, title (in this case medical doctor), the name of faculty, the substance of studies, educational standards, the system of evaluation, practical experience, and information concerning the system of native educational system.

USMLE is not required for graduating from the Jagiellonian University Faculty of Medicine (see the organizational structure of the Jagiellonian University Fig.IV.1). However, the educational program prepares students for this examination see point XI.2.

The Jagiellonian University including the JUCM School of Medicine in English diplomas are honored by the European Union according to Art.23 of Directive 93/16EEC which provides that medical diplomas are assessed on the basis of the number of educational program hours, at least 5500 hours.

The Jagiellonian University Collegium Medicum School of Medicine in English educational 6-year program comprises 5543 hours, while the 4-year program comprises 4501 hours (according to regulation to Directive 93/16 EEC total education of 4-year program graduates includes premedical and medical education. So, total number of hours comprises the hours of college education and only such students who satisfy the requirements of hours are enrolled to 4-year program) .

The model of diploma is enclosed as Attachment 3.

2. Describe how the structure and content of the educational program provide an adequate foundation in the basic and clinical sciences and enable students to learn the fundamental principles of medicine, to acquire critical judgment skills, and to use those principles and skills to provide competent medical care.

Educational program is created by the Jagiellonian University Educational Commission which follows the standards stated by the Act on Higher Education.

To provide the adequate foundation in the basic and clinical sciences and enable students to learn the fundamental principles of medicine and to acquire critical judgment skills the educational program is created by a group of experts. The structure and content of the educational program is the result of the work of experts who are members of the Jagiellonian University Educational Commission. They are experienced educationists, professors and associated professors, and doctors from every Collegium Medicum department. The mechanism of program planning and evaluation concerns every educational program that is created at the Jagiellonian University, including the 6-year and 4-



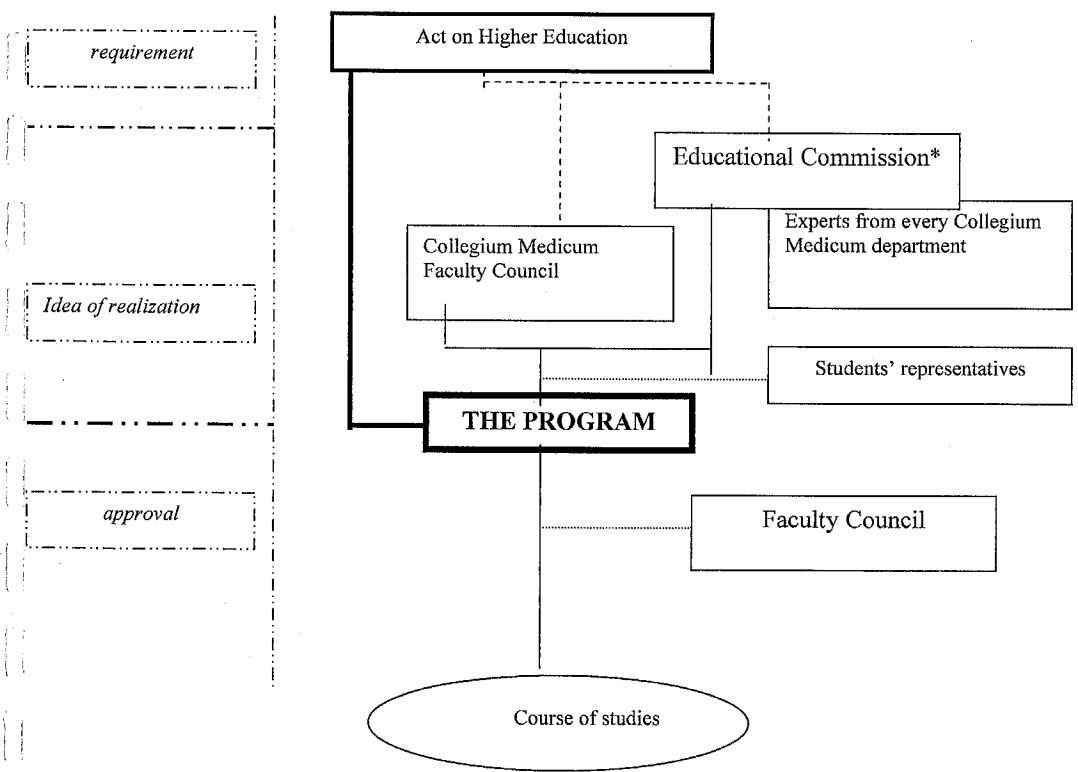
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year programs for English language students. The process of planning and evaluation of the educational program at the Jagiellonian University Collegium Medicum is presented in Figure V.1 below.

Fig.V.1.The planning and evaluation of the educational program



* Educational Commission is composed of representatives of every Jagiellonian University Collegium Medicum department (including representatives of all Basic and Clinical Sciences)


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3. Describe how the school is fostering the ability of students to learn through self-directed independent study.

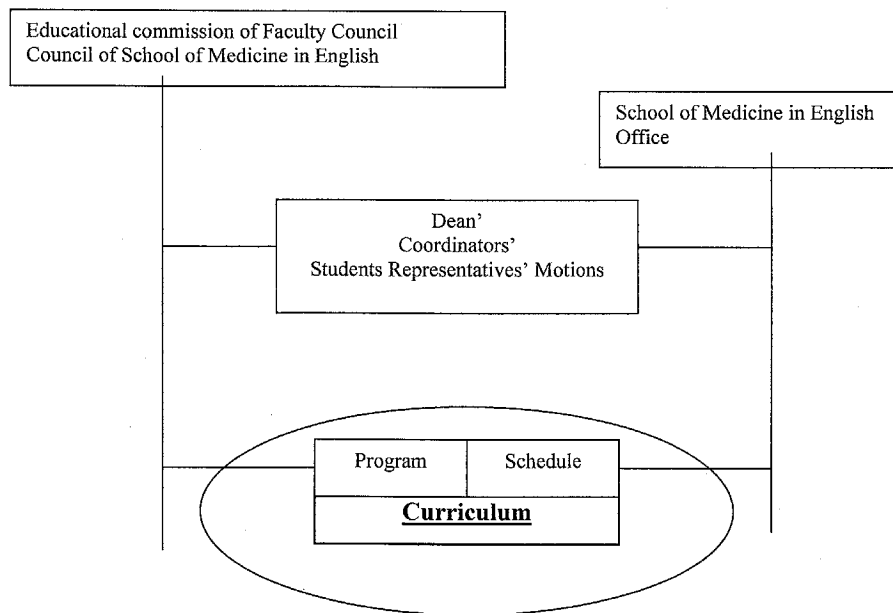
The ability of students to learn through self-directed independent study is fostered in a few ways. The Jagiellonian University School of Medicine in English organizes Journal Club meetings (optional) which are meant to develop the ability of independent problem solving through the management of independent projects, preparing presentations, and public discussions.

Apart from their participation in Journal Club meetings students act independently in Student's Scientific Circles (see point III.3) in which they are expected to carry out independent programs, participate in national, international and other meetings, and present results of their work..

Free tutorials available in all courses enable students to hold individual meetings with teachers and perform individual work under their teacher's or coordinator's supervision. Also additional laboratory hours (Anatomy, Histology) allow students to expand their knowledge through self-directed independent study .

4. Describe the mechanisms used for curriculum planning, implementation, evaluation, management, and oversight, including the roles of faculty committees, the departments, and the central medical school administration. The mechanisms used for curriculum planning are presented below in Fig. V.2.

Fig. V.2. Curriculum planning



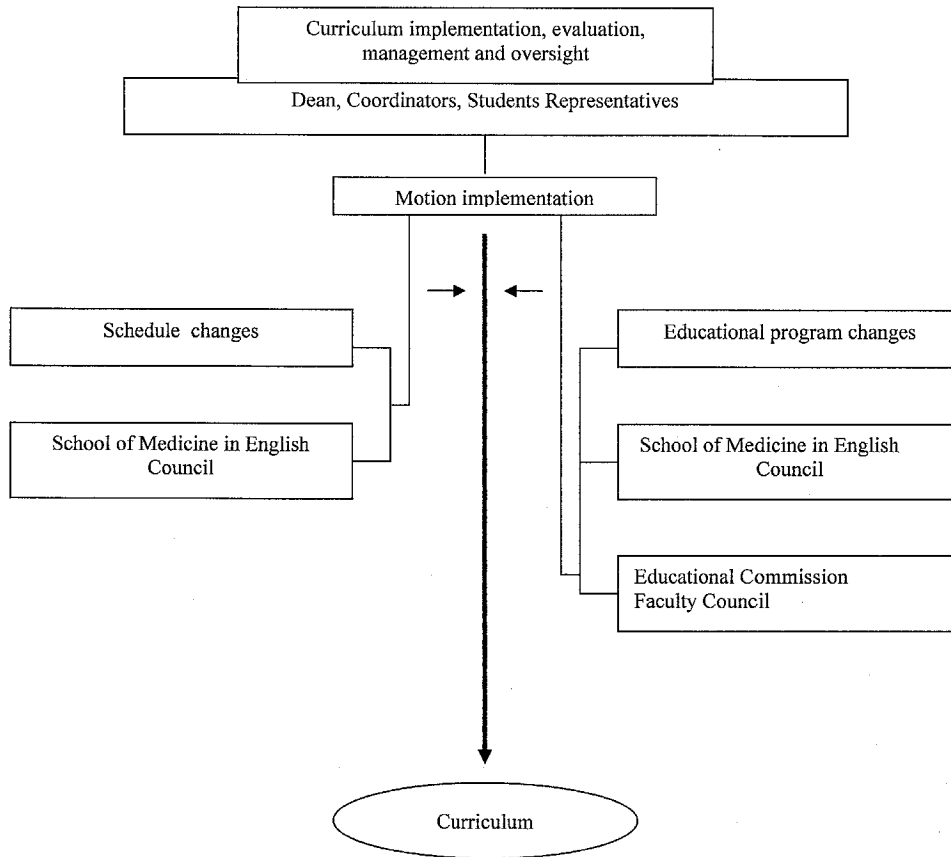


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The mechanisms used for curriculum implementation, evaluation, management, and oversight are presented in Fig. V.3.

Fig. V.3. Curriculum changes.





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5. How long is the period that the curriculum allows medical students to engage in actual instruction?

Curriculum provides detailed information concerning the number of courses and their hours, weeks, and months. It states the name of the course director, department, head of a given department, localization of the course and its length. It defines main goals and topics of each course, and specifies its type (lectures, seminars, laboratories, bedside teaching and other).

Curriculum is available for all students almost for the whole academic year. Students are given the published version together with the syllabus, schedules and a short description of courses on the Orientation Day (the first day of the school, in 2005 it will be 5th of September). Schedules are presented earlier, at the end of the academic year.

The curriculum is also available online www.cm-uj.krakow.pl/medschool

6. What is the total number of hours of all courses?

The total number of hours in the 6-year program is 5543 hours and 4501 hours in the 4-year program. Both programs/curricula fulfill the Medical Board of California standards.

7. What is the percent of actual attendance that is required?

At least 90% of attendance is required.

8. Describe how attendance is monitored.

Attendance is directly monitored by academic teachers, and indirectly by persons responsible for supervising training courses, i.e. by courses coordinators.

9. Describe the formal processes for effecting changes in the curriculum.

The process of changing the curriculum is a complex one. Changes can be introduced on request from authorities supervising the curriculum realization, i.e. Dean, Courses Coordinators and also Students Representatives. The School of Medicine in English Council makes decisions concerning implementation of any changes, evaluates them and presents them for approval to the Faculty Council which takes the final decision. The process is presented graphically in Fig. V.4. above.

10. In less than 25 words, describe how the curriculum for all applicants provides for adequate instruction in the following subjects:

- alcoholism (and other chemical substance dependency, detection and treatment)
- anatomy (including embryology, histology and neuroanatomy)
- anesthesia
- biochemistry
- child abuse detection and treatment
- dermatology
- family medicine
- geriatric medicine
- human sexuality
- medicine (including all sub-specialties)
- neurology

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- obstetrics and gynecology
- ophthalmology
- otolaryngology
- pain management and end-of-life care
- pathology
- bacteriology
- immunology
- pharmacology
- physical medicine
- physiology
- preventive medicine (including nutrition)
- psychiatry
- radiology (including radiation safety)
- spousal or partner abuse detection and treatment
- surgery (including orthopedic surgery)
- therapeutics
- tropical medicine
- urology

All the above subjects are included in the goals of obligatory courses, which are described in details in the Curriculum, enclosed as Attachment 2.

11. Discuss how all the subjects required for recognition are included in the curriculum, and describe how the coverage of these subjects is sufficient to meet accreditation standards.

The subjects presented above are all included in the curriculum as goals of obligatory courses. A short program is included in the curriculum (see Attachment 2). All the subjects are sufficiently discussed in the teaching groups during seminars, lectures and laboratories. Educational tasks are carried out sufficiently in the way and to the extent which meet the accreditation standards.

12. Complete the following curriculum tables and provide no further information than that which is required in those tables. List only the one main principle course objective where required.



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The curriculum tables concerning the School of Medicine in English 4-year educational program are presented below (Tables V.1, V.2, V.3, V.4)

Table V.1 Year One 4-year program

Course	Year One						Principle Course Objective
	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	
Anatomy	20	38	138	-	-	176	*
Physiology/ Biophysics	30	180				180	*
Biochemistry	24	76 22 review	26			124	*
Histology	20	46 4 review	54			104	*
Medical Embryology	11	30				30	*
Medical First Aid	11	30				30	*
Introduction Clinical Sciences	20	60			60	60	*
Cell Biology	15	30				30	*
Medical Ethics	15	20				20	*
Neurosciences	15	45				45	*
Medical Genetics	15	30				30	*
Immunology	7	17	3			20	*
Intro to Clinical Radiology	9	14	8			22	*
Lab of Clinical Training	5		20			20	*
Medical Polish	30			120		120	*
TOTAL		642	249	120	60	1011	

* see Attachment 2- Curriculum Description.



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Table V.2 Curriculum table concerning Year Two of 4-year educational program.

Year Two

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Pathology	30	90	130			220	*
Pharmacology	30	150				150	*
Pathophysiology	20	60				60	*
Microbiology/ Clinical Microbiology	15	45	45			90	*
Behavioural Sciences	15	2		28		30	*
Medical Sociology	7	15				15	*
Introduction to Internal Medicine	30	70		50	50	120	*
Clinical Laboratory Diagnostics	15	30				30	*
Introduction to Psychiatry	15	60				60	*
Infectious Diseases	15	30				30	*
Epidemiology/ Biostatistics	15	20	10			30	*
Introduction to Neurology	1	12		22	22	32	*
Medical Polish	30	120				120	*
TOTAL	238	704	185	100	72	987	

* see Attachment 2- Curriculum Description.



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Table V.3 Curriculum table concerning Year Three of 4-year educational program.

Year Three

Include the number of sites used for inpatient and the number of site used for outpatient teaching in the following format:
 #inpatient / #outpatient (# Sites used)

Clerkship	Total Weeks	% Ambulatory	# Sites used		Typical weekly length of time for formal instruction	Average # of new patients per week	Average # of continuity patients per week
			inpatient *	outpatient **			
Internal Medicine	11	25	413	2465	24	220	170
Surgery	7	25	80	288	30	50	30
Pediatrics	5,5	25	587	288	27	500	100
Obstetrics/Gynecology	4,5	25	180	611	33-35	190	30
Psychiatry	3	25	80	288	30	14	66
Clinical Radiology	11 wks/60 hrs	100	0	769	2-4	n/a	n/a
Anesthesiology	18 wks/60 hrs	5	75	2	2-4	70	1
Neurology	4	20	135	373	30	70	60
Clinical Immunology	3 wks/22 hrs	n/a	n/a	n/a	2-3	n/a	n/a

* number of beds used weekly

** number of available ambulatory patients weekly



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Table V.4 Curriculum table concerning Year Four of 4-year educational program studies.

Year Four

Include the number of sites used for inpatient and the number of site used for outpatient teaching in the following format:
 #inpatient / #outpatient (# Sites used)

Clerkship	Total Weeks	% Ambulatory	# Sites used*		Typical weekly length of time for formal instruction	Average # of new patients per week	Average # of continuity patients per week
			inpatient *	outpatient **			
Internal Medicine	8	25	413	2465	30	220	170
Surgery II	7	30	80	288	30	50	30
Pediatrics II	3	30	587	288	30	500	100
Obstetrics/Gynecology	3	30	180	611	30	190	30
Family Medicine	2	100	0	596	30	n/a	n/a
Emergency Medicine	60 hrs	100	12	1900	2-11	70	0
Forensic Medicine	2	n/a	n/a	n/a	30	n/a	n/a
Dermatology/Venerology	2	25	40	230	30	15	15
Ophthalmology	2	25	40	409	30	35	5
Otolaryngology	2	25	51	577	30	34	17

* number of beds used

** number of available ambulatory patients weekly



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The curriculum tables concerning the School of Medicine in English 6-year educational program are presented below.

Table V.5. The curriculum table concerning Year One of the School of Medicine in English 6-year educational program

Year One – 6 year program

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Anatomy/Clinical Anatomy	27	44 11 (exams)	130		-	185	*
Histology/Cytohystology	30	68	75			143	*
Biology	13	26	39			65	*
Medical First Aid	15		30			30	*
Chemistry (General & Organic)	30	84 4 (exams)	12			100	*
Medical Polish	30			120		120	*
Humanities/Polish History	15	30				30	*
TOTAL	160	267	286	120		673	

* see Attachment 2- Curriculum Description



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Table V.6 The curriculum table concerning the School of Medicine in English Year Two of 6-year educational program

Year Two – 6 year program

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Physiology	30	145 10 (exams)	45			200	*
Biochemistry	30	92 46	51			189	*
Medical Genetics	15	45				45	*
Medical Sociology	15	30				30	*
Humanities	15	30				30	*
Biostatistics	10		20	10		30	*
Biophysics	15	30	40			70	*
Medical Ethics	15	20				20	*
Psychology	15	30				60	*
Medical Polish	30			90		90	*
Introduction to Clinical Sciences	20	60			60	60	*
TOTAL	195	493	156	100	60	824	

* see Attachment 2- Curriculum Description



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Table V.7 The curriculum table concerning the School of Medicine in English Year Three of 6-year educational program

Year Three – 6 year program

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Pathology I	30	44	106			150	*
Pathophysiology	18	100				100	*
Pharmacology	30	90				90	*
Introduction to Pediatrics	20	48			72	120	*
Introduction to Internal Medicine	30	60	10		50	120	*
Microbiology	15	30	30			60	*
Clinical Biochemistry	15	16		14		30	*
Medical Psychology	15	30				30	*
Hygiene/Human Ecology	15	16	24			40	*
Epidemiology	15	18	17			35	*
Medical Polish	15	30					*
Philosophy	15	30				30	*
TOTAL	331	512	187	14	122	805	

* see Attachment 2- Curriculum Description



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Table V.8 The curriculum table concerning the School of Medicine in English Year Four of 6-year educational program

Year Four – 6 year program

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Pharmacology	30	75				75	*
Pathology	15	60				60	*
Medical Polish (optional)	30	120				120	*
Clinical Biochemistry	15	20		10		30	*
Nuclear Medicine	1	15		13	2		
TOTAL	91	290		23	2	285	

* see Attachment 2- Curriculum Description.



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Year Four -- 6-year program

Include the number of sites used for inpatient and the number of site used for outpatient teaching in the following format:
 #inpatient / #outpatient (# Sites used)

Clerkship	Total Weeks	% Ambulatory	# Sites used		Typical weekly length of time for formal instruction	Average # of new patients per week	Average # of continuity patients per week
			inpatient *	outpatient **			
Internal Medicine	6	25	413	2465	30	220	170
Pediatrics	4	25	587	288	30	500	100
Psychiatry	1	0	45	28	30	5	40
Psychotherapy	1	0	45	28	30	5	40
Dermatology	3,5	25	40	230	30	15	15
Introduction to Surgery	3,5	20	98	403	30	55	45
Clinical Toxicology	1	25	41	45	30	18	23
Rheumatology	1	60	0	42	30	0	0

* number of beds used

** number of available ambulatory patients weekly



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Table V.9 The curriculum table concerning the School of Medicine in English Year Five of 6-year educational program

Year Five – 6-year program

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Clinical Microbiology	5,5		4	26		30	*
Clinical Immunology	3	20		1		21	*
Clinical Biochemistry	9	30				30	*
TOTAL		50	4	27		81	

*see Attachment 2- Curriculum Description

Year Five – 6-year program

Include the number of sites used for inpatient and the number of site used for outpatient teaching in the following format:
#inpatient / #outpatient (# Sites used)

Clerkship	Total Weeks	% Ambulatory	# Sites used		Typical weekly length of time for formal instruction	Average # of new patients per week	Average # of continuity patients per week
			inpatient *	outpatient **			
Internal Medicine	5	25	413	2465	30	220	170
Pediatrics	3	30	587	288	30	500	100
Neurology and Neurotraumatology	5	25	135	373	24	70	65
Surgery	3,5	30	98	403	25-30	55	45
Infectious Diseases	5	25	70	323	18	50	10
Psychiatry	4	25	80	288	30	14	66
Otolaryngology	2	25	51	577	30	34	17
Orthopedics	2	25	35	323	30	30	5
Radiology and Surgical Radiology	75 hrs/12 wks	100	0	769	2-6	n/a	n/a
Gynecology and Obstetrics	1	10	180	611	30	190	30
Anesthesiology and Intensive Care	60 hrs/12 wks	5	75	2	2-4	70	1

* number of beds used

** number of available ambulatory patients weekly



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Table V.10 The curriculum table concerning the School of Medicine in English Year Six of 6-year educational program

Year Six – 6-year program

Include the number of sites used for inpatient and the number of site used for outpatient teaching in the following format:
 #inpatient / #outpatient (# Sites used)

Clerkship	Total Weeks	% Ambulatory	# Sites used		Typical weekly length of time for formal instruction	Average # of new patients per week	Average # of continuity patients per week
			inpatient *	outpatient **			
Obstetrics and Gynecology	7	30	180	611	30	190	30
Surgery	3	20	98	403	30	55	45
Pediatrics	3	30	587	288	30	500	100
Internal Medicine	3	25	413	2465	30	220	170
Family Medicine	2	100	0	596	30	n/a	n/a
Forensic Medicine	2	n/a	n/a	n/a	30	n/a	n/a
Ophthalmology	2	25	40	403	30	35	5
Emergency Medicine	2	100	9	553	6-8	60	0
Oncology	1	50	12	192	32	25	3
Occupational Medicine	1	n/a	n/a	n/a	30	n/a	n/a
Geriatrics	2	30	70	100	15	12	60

* number of beds used

** number of available ambulatory patients weekly



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VI. Governance:

1. Describe how the administrative and governance system allow the institution to accomplish its objectives.

The system of governance and administration was established by the Jagiellonian University Senate and is presented in the Jagiellonian University Mission Statement (Attachment 1).

The governing and administrative system allowing the Jagiellonian University to accomplish its objectives is graphically presented below (Fig. VI.1).

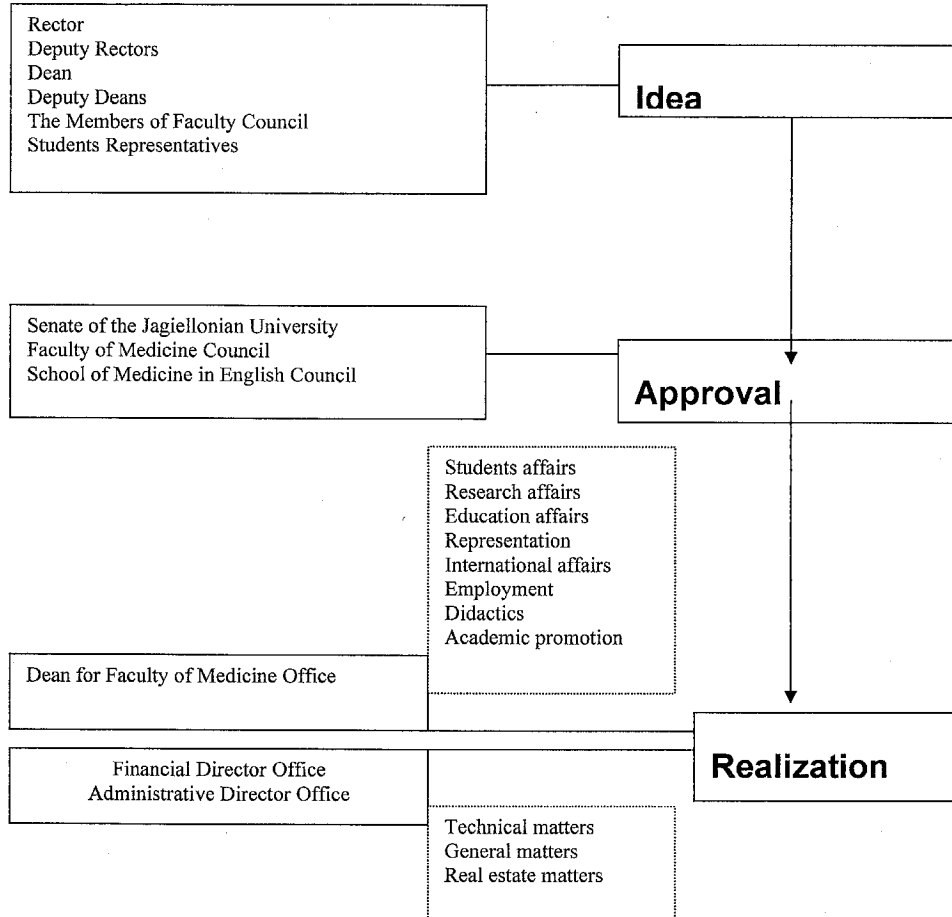


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Fig. VI.1. Governance- accomplishing objectives




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2. Describe how the institutions governance system gives faculty a formal role in the institution's decision-making process.

The governance system with decision making process is presented graphically in Fig. VI.1 above.

3. Are students enrolled in the program permitted to serve as instructors, administrators, officers or directors of the school? If so, explain.

No, students are not permitted to serve as instructors, administrators, officers or directors at the Jagiellonian University Collegium Medicum. The employment of a student assistant should be preceded by practice or doctoral courses. The post of student assistant can be granted to a fourth or a fifth year student of impeccable ethical conduct who achieved at least good results during the last two years of studies, has all the necessary qualifications for academic work, confirmed by participation in seminars, publications or achievements in the students academic activity.

The Jagiellonian University Statute (section 10) clearly defines the rules of employment (see Attachment 1).

4. Describe the mechanisms that exist for periodic review of departments and chairs.

The periodic review of departments and chairs of the Jagiellonian University Collegium Medicum (including the School of Medicine in English) is performed once a year by a Commission consisting of the University authorities: Deputy Dean for the Basic Sciences and the Deans Collegium (Dean of the Faculty of Medicine, Deputy Dean for the Clinical Sciences, Deputy Dean for the International Cooperation in Didactics, Deputy Dean for Titles and Degrees).

The Commission prepares the self-assessment report, in which all the Collegium Medicum departments and chairs are evaluated with respect to the following subjects:

Academic teachers: academic teachers evaluation. Academic teachers are evaluated by the Faculty Commission for Employment and Development of Academic Teachers.

Education: rules of admission process, the number of students, the graduate's profile, vacation clerkships, didactic methods, the system of students' evaluation, education in foreign languages, individual training, the educational program.

Students' affairs: organizations, scientific circles, grants, fees, social affairs, academic career board

Scientific activity: research programs completed and in progress, publications, research activities in every department of the Jagiellonian University Faculty of Medicine.

International cooperation: cooperation with foreign countries, other universities, students'



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foreign rotation

Major achievements: changes in didactics, medical library, didactic achievements

The weakness of the Jagiellonian University Faculty of Medicine

Development plans

A translation of a report concerning the 2004 review of the Jagiellonian University Collegium Medicum (including the School of Medicine in English) is accessible in the School Office.

5. Are there any departments experiencing significant problems? If so, which ones and why?

There are no departments experiencing problems within the Jagiellonian University Collegium Medicum at present.

6. Provide a list of the deans' names, responsibilities, credentials, date of appointment and his or her relationship to university officials.

Respective relationships are shown in Fig. IV.3.

Table VI.1 List of Deans' names, responsibilities, credentials and date of appointment.

	Deans name	Responsibility	Credential	Years of appointment
1.	Professor Wieslaw Pawlik, Ph.D. M.D.	Deputy Rector for Jagiellonian University Collegium Medicum	Physiologist	40
2.	Professor Wojciech Nowak, Ph.D. M.D.	Dean for the Faculty of Medicine of the Jagiellonian University	Surgeon	30
3.	Professor Piotr Laidler, Ph.D.	Dean for International Affairs	Biochemist	32
4.	Professor Tomasz Grodzicki, Ph.D. M.D.	Dean for Clinical Education	Internist	20
5.	Professor Tomasz Mach, Ph.D. M.D.	Dean for Academic Promotion	Internist	29
6.	Professor Krystyna Sztefko, Ph.D.	Dean for Preclinical Education	Biochemist	25
7.	Professor Jan Zapala, Ph.D. M.D.	Dean for Dentistry	Surgeon	27

7. Attach a copy of the institution's contingency plan for addressing natural disasters.

Attachment 4.

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**VII. Faculty:**

1. List all faculty members and their length of employment.

There are 785 Faculty of Medicine members, from whom 345 persons work at the School of Medicine in English. Potentially all faculty members can work for the JUCM School of Medicine in English. Their names, length of employment and credentials are listed in Table VII.1 below.

Tab. VII.1. Jagiellonian University Collegium Medicum - Faculty members

L.p.	Scientific Title	Surname	Given name	Full-time/part-time job	Chair/Clinic/Department/Institute	Years in JUCM	Employed in School of Medicine in English
1	MD, PhD HAB	ADAMEK	DARIUSZ	1	Inst. of Neurology	23	1
2	PROF. MD, PhD	ADAMEK-GUZIŁ	TERESA	1	Chair of Internal & Rural Med.	40	
3	MSc	ADAMIEC	MAŁGORZATA	1	Polish-American Inst. of Pediatrics	1	
4	MD	ADAMKIEWICZ-PIEJKO	AGATA	1	Chair of Internal Med. & Gerontology	3	1
5	PROF. MD, PhD	ALEKSANDROWICZ	JERZY	1	Chair of Psychotherapy	45	1
6	PROF. MD, PhD	ANDRES	JANIUSZ	1	Chair of Anesthes. & Intensive Care	16	1
7	MD, PhD	ANIELSKI	RYSZARD	1	III Chair of General Surgery	17	
8	MD, PhD	ANTOSZCZYK	GRAŻYNA	1	Chair of Dermatology	19	1
9	MD	ANYSZEK	TOMASZ	1	Chair of Clinical Biochemistry	10	1
10	MD, PhD	BACIOR	BOGUMIŁA	1	Institute of Cardiology	13	
11	MSc	BAJKA	JADWIGA	1	Chair of Epidemiology & Preventive Med.	33	
12	MSc, PhD	BAJ-KRZYWORZEKA	MONIKA	1	Polish-American Inst. of Pediatrics	5	
13	MD, PhD	BALICKA-SŁUSARCZYK	BARBARA	1	Chair of Toxicology	5	
14	MD	BALIGA-PĄŁKA	BEATA	1	Chair of Gynecology & Obstetrics	1	
15	MD, PhD HAB	BALWIERZ	WALENTYNA	1	Polish-American Inst. of Pediatrics	13	1
16	MD, PhD	BALAJEWICZ-BALDYS-	MARIUSZ	1	Chair of Gynecology & Obstetrics	23	
17	MD, PhD	WALIGORSKA	AGATA	1	Chair of Endocrinology	12	1

18	MD, PhD	BANACH	MARTA	1	Inst. of Neurology	10	
19	MD	BANACH	MARTA	1	Chair of Anesthes. & Intensive Care	1	1
20	MD, PhD	BANACH	TOMASZ	1	Chair of Pathophysiology	7	1
21	MSc, PhD	BARAN	JAROSŁAW	1	Polish-American Inst. of Pediatrics	11	1
22	MD, PhD	BARCZYŃSKI	MARCIN	1	III Chair of General Surgery	8	
23	PROF. MD, PhD	BARCZYŃSKI	MARIAN	0,25	III Chair of General Surgery	49	
24	PROF. MD, PhD	BASTA	ANTONI	1	Chair of Gynecology & Obstetrics	32	
25	MSc, PhD	BASTA	MARIA	1	Chair of Microbiology	26	
26	MD, PhD	BEDNAREK	JACEK	0,25	Institute of Cardiology	5	1
27	MD, PhD	BEDNARZ	STEFAN	1	Chair of Internal Med.&Gerontology	22	
28	MSc, PhD	BERETA	MICHAŁ	1	Chair of Immunology	3 mies	1
29	MD	BEREZA	TOMASZ	1	Chair of Anatomy	8	
30	MA, PhD	BĘTKOWSKA-KORPALA	BARBARA	1	Chair of Psychiatry	1	
31	MD, PhD	BIAŁAS	MAGDALENA	0,50	Chair of Pathomorphology	1	
32	MD	BIAŁCZYK	BARTOSZ	1	Chair of Internal Med.&Gerontology	6	
33	MSc	BIEDRÓN	RAFAL	1	Chair of Immunology	2	1
34	MD, PhD	BIEŃ	ARTUR	1	Chair of Metabolic Diseases	15	1
35	MD, PhD	BIERNAT	JAROSŁAW	1	Chair of Physiology	10	1
36	MSc, PhD	BIERNAT-SUDOLSKA	MAŁGORZATA	1	Chair of Microbiology	20	
37	MD, PhD	BIERÓN	KRZYSZTOF	1	Chair of Pharmacology	37	

38	MSc	BIERZYŃSKI	KAZIMIERZ	1	Chair of Psychotherapy	23
39	MD, PhD	BIESIADA	ZBIGNIEW	1	II Chair of General Surgery	22
40	MD, PhD	BIESIADA	GRAŻYNA	1	Chair of Infectious Dis. & Hepatology	19
41	MD, PhD	BIK-MULTANOWSKI	MIROSLAW	1	Polish-American Inst. of Pediatrics	3
42	MD, PhD	BŁAUT	URSZULA	1	Chair of Pathophysiology	6
43	MD	BŁAUT	ANITA	1	Polish-American Inst. of Pediatrics	1
44	MD, PhD HAB	BOBRZYŃSKI	ANDRZEJ	1	II Chair of General Surgery	37
45	MD, PhD	BOCHENEK	GRAŻYNA	1	II Chair of Internal Med.	17
46	MD, PhD	BOCIAGA-JASIK	MONIKA	1	Chair of Infectious Dis. & Hepatology	11
47	MD, PhD	BODZOŃ	WOJCIECH	1	II Chair of Internal Med.	15
48	MD	BOLECHAŁA	FILIP	1	Chair of Forensic Medicine	4
49	MD, PhD	BOLT	LESZEK	1	II Chair of General Surgery	20
50	PROF. MD, PhD	BOMBA	JACEK	1	Chair of Psychiatry	32
51	MD, PhD HAB	BRONGEL	LESZEK	1	II Chair of General Surgery	30
52	MD	BROZEK	JAN	0,25	II Chair of Internal Med.	9
53	MD	BRUDNIK	URSZULA	1	Chair of Dermatology	1
54	MSc	BRYLIŃSKI	MICHAŁ	0,50	Departm. of Bioinformatics & Telemed.	1
55	MD	BRYLL	AMIRA	1	Chair of Radiology	7
56	MD, PhD	BRYNIARSKI	LESZEK	1	Institute of Cardiology	3
57	MSc, PhD	BRYNIARSKI	KRZYSZTOF	1	Chair of Immunology	16

58	MD	BRZEGOWY	PAWEŁ	1	Chair of Radiology	7	1
59	MD, PhD	BRZEWSKI	MAREK	1	Chair of Dermatology	33	
60	MSc, PhD	BRZOWOWSKA BRZOWOWSKA-	IWONA	1	Chair of Anatomy	23	
61	MD	CZARNEK	AGATA	1	Chair of Radiology	6	1
62	PROF. MD, PhD	BRZOWOWSKI BRZYCHCZY-	TOMASZ	1	Chair of Physiology	26	1
63	MSc	WŁOCH	MONIKA	0,50	Chair of Microbiology	1	
64	MD, PhD	BUDZYŃSKI	ANDRZEJ	1	II Chair of General Surgery	12	1
65	MD	BUDZYŃSKI	PIOTR	1	II Chair of General Surgery	3	1
66	MSc INŻ.	BUGAJSKA	JOLANTA	1	Polish-American Inst. of Pediatrics	1	
67	MD, PhD	BUGAJSKI	ANDRZEJ	1	Chair of Pathophysiology	14	
68	MD, PhD HAB	BULANDA	MAŁGORZATA	1	Chair of Microbiology	28	
69	MD, PhD HAB	BYSIEK	ADAM	1	Polish-American Inst. of Pediatrics	24	
70	MD	CEBULA	GRZEGORZ	1	Polish-American Inst. of Pediatrics	1	1
71	PROF. MD, PhD	CEBULSKA- WASILEWSKA	ANTONINA	0,50	Chair of Epidemiology & Preventive Med.	4	1
72	MD, PhD	CECHNICKI	ANDRZEJ	1	Chair of Psychiatry	25	
73	MD	CEGIELNY	TOMASZ	1	III Chair of General Surgery	3	
74	MD, PhD	CERANOWICZ	PIOTR	1	Chair of Physiology	10	
75	MD, PhD	CHALUPCZAK	PIOTR	1	Chair of Gynecology & Obstetrics	5	
76	MD, PhD HAB	CHŁOPICKI	STEFAN	1	Chair of Pharmacology	13	1
77	MD	CHMIEL	DARIUSZ	1	Chair of Anatomy	8	

78	MSc	CHMIELARCZYK	AGNIESZKA	1	Chair of Microbiology	5	
79	MD, PhD	CHROSTEK-MAJ	JAN	1	Chair of Toxicology	6	
80	MD, PhD	CHRZAN	ROBERT	1	Chair of Radiology	11	1
81	MD, PhD	CIBOR	DOROTA	1	Chair of Infectious Dis. & Hepatology	8	1
82	MD, PhD	CICHOCKA-JAROSZ	EWA	1	Polish-American Inst. of Pediatrics	20	1
83	PROF. MD, PhD	CICHOCKI	TADEUSZ	1	Chair of Histology	46	1
84	MD, PhD HAB	CICHON	STANISLAW	1	III Chair of General Surgery	36	
85	MD	CICHON	WOJCIECH	1	III Chair of General Surgery	2	
86	MD, PhD	CIEŃKO-MICHALSKA	IRENA	1	Chair of Infectious Dis. & Hepatology	5	
87	MD, PhD	CIENIAWA	TOMASZ	1	Chair of Anesthes. & Intensive Care	10	1
88	MD, PhD	CIEŚLA	ANDRZEJ	1	Chair of Infectious Dis. & Hepatology	9	
89	MSc, PhD	CIOŁCZYK-WIERZBICKA	DOROTA	1	Institute of Medical Biochemistry	7	1
90	MD	CISZOWSKI	KRZYSZTOF	1	Chair of Toxicology	2	
91	MD, PhD	CURYŁO	ADAM	1	Institute of Cardiology	14	
92	MSc, PhD	CZAJKOWSKA	BARBARA	1	Chair of Immunology	13	
93	MD, PhD HAB	CZARNECKA	DANUTA	1	Institute of Cardiology	23	
94	MD, PhD	CZARNOBILSKA	EWA	1	Chair of Toxicology	2	
95	MD	CZEPIEL	JACEK	1	Chair of Infectious Dis. & Hepatology	2	1
96	MD, PhD HAB	CZEPKO	RYSZARD	1	Inst. of Neurology	9	1
97	MD, PhD	CZOPEK	JACEK	1	Chair of Pathomorphology	6	1

98	MSc	CZUBAK	JERZY	1	Institute of Medical Biochemistry	29	
99	MD, PhD HAB	CZUPRYNA	ANTONI	1	I Chair of General Surgery	32	
100	MD	ĆWIKLIŃSKA	MAGDALENA	1	Polish-American Inst. of Pediatrics	5	
101	MD, PhD HAB	DE BARBARO	BOGDAN	1	Chair of Psychiatry	22	1
102	PROF. MD, PhD	DEMBIŃSKA-KIEĆ	ALDONA	1	Chair of Clinical Biochemistry	33	1
103	PROF. MD, PhD	DEMBIŃSKI	ARTUR	1	Chair of Physiology	32	1
104	MD	DEMCHUK	SERGIY	1	Chair of Pathomorphology	3 mies	
105	MD, PhD	DEPOWSKA	TERESA	1	Polish-American Inst. of Pediatrics	25	
106	MD	DEPUKAT	PAWEŁ	1	Chair of Anatomy	1	
107	MD, PhD	DĘBEK	KRYSTYNA	1	Chair of Gynecology & Obstetrics	1	
108	MD, PhD	DŁUŻNIEWSKA	AGNIESZKA	1	Polish-American Inst. of Pediatrics	22	1
109	MD, PhD	DOBREK	ŁUKASZ	1	Chair of Pathophysiology	2	
110	MD, PhD HAB	DOBROGOWSKI	JAN	1	Chair of Anesthes. & Intensive Care	8	1
111	MD	DOBROWOLSKA	BARBARA	1	Chair of Urology	3	
112	PROF. MD, PhD	DOBROWOLSKI	ZYGMUNT	1	Chair of Urology	29	
113	MD, PhD	DOLECKI	MIROSLAW	1	II Chair of General Surgery	11	1
114	MD, PhD HAB	DOMAGAŁA	TERESA	1	Institute of Medical Biochemistry	29	
115	MD	DOMINIK	RYSZARD	1	Chair of Anesthes. & Intensive Care	9	
116	MD, PhD	DORAZIL-DUDZIK	MAGDALENA	1	Chair of Internal Med.&Gerontology	1	
117	MD	DRAB	EDYTA	1	Chair of Anesthes. & Intensive Care	3	1

118	MD, PhD	DRABIK	GRAŻYNA	0,50	Polish-American Inst. of Pediatrics	5	
119	MD	DROP	DOBROMIŁA	0,25	Chair of Histology	1	1
120	MD, PhD	DROP	KRYSTYNA	1	Polish-American Inst. of Pediatrics	37	
121	MD, PhD	DROPIŃSKI	JERZY	1	II Chair of Internal Med.	12	1
122	MD	DROZDOWSKI	PIOTR	1	Chair of Psychiatry	26	
123	MD, PhD	DROŹDŹ	MACIEJ	1	Chair of Nephrology	9	1
124	MD, PhD HAB	DROŹDŹ	WŁODZIMIERZ	1	II Chair of General Surgery	31	1
125	MSc, PhD	DROŹDŹ	RYSZARD	1	Chair of Clinical Biochemistry	17	1
126	MA, PhD	DROŹDŹOWICZ	LUCYNA	1	Chair of Psychiatry	11	1
127	MD, PhD	DRWIŁA	RAFAŁ	1	Chair of Anesthes. & Intensive Care	15	1
128	MD	DRZEWIECKI	ARTUR	0,50	Chair of Microbiology	1	
129	MD	DUBIEL	MARZENA	1	Chair of Internal Med. & Gerontology	2	
130	PROF. MD, PhD	DUBIEL	JACEK	1	Institute of Cardiology	36	
131	MD, PhD	DUDEK	DARIUSZ	1	Institute of Cardiology	7	1
132	MD, PhD	DUDEK	DOMINIKA	1	Chair of Psychiatry	9	1
133	MSc, PhD	DULIŃSKA-LITEWKA	JOANNA	1	Institute of Medical Biochemistry	19	1
134	MD, PhD	DUPLAGA	MARIUSZ	1	II Chair of Internal Med.	11	
135	MD, PhD	DUTSCH-WICHEREK	MAGDALENA	1	Chair of Otolaryngology	5	1
136	MD	DYDUCH	GRZEGORZ	1	Chair of Pathomorphology	8	1
137	MSc, PhD	DYMON	MIECZYSLAW	1	Chair of Microbiology	36	

178	MD, PhD	GÓRNIAK-BEDNARZ	ALINA	1	Chair of Ophthalmology	26	
179	MD	GÓRSKI	LECH	1	Chair of Internal & Rural Med.	11	
180	MPharm, PhD	GRABOWSKA	MARIOLA	1	Institute of Medical Biochemistry	26	
181	PROF. MD, PhD	GRODZICKI	TOMASZ	1	Chair of Internal Med.&Gerontology	20	1
182	PROF. MD, PhD	GRODZIŃSKA	LILIA	0.25	Chair of Pharmacology	44	
183	MD, PhD	GROSS	ADAM	1	Chair of Forensic Medicine	30	
184	MD, PhD	GROSZEK	BARBARA	1	Chair of Toxicology	16	1
185	MD	GRUDZIŃ	GRZEGORZ	1	Institute of Cardiology	4	1
186	MD, PhD	GRYGLEWSKA	BARBARA	1	Chair of Internal Med.&Gerontology	18	1
187	MD, PhD	GRYGLEWSKI	ANDRZEJ	1	Chair of Anatomy	21	
188	MA, PhD	GRYGLEWSKI	RYSZARD	1	Chair of History of Medicine	5	
189	MD, PhD	GRYZ-KUREK	ELZBIETA	1	Inst. of Neurology	19	1
190	MD, PhD	GRZANKA	PIOTR	1	II Chair of Internal Med.	7	1
191	MD, PhD	GRZENDA-ADAMEK	ZOFIA	1	Polish-American Inst. of Pediatrics	12	1
192	MSc INŻ.	GRZYBOWSKI	PIOTR	1	Departm. of Bioinformatics & Telemed.	5	
193	MD, PhD HAB	GUZIK	TOMASZ	1	Chair of Internal & Rural Med.	4	1
194	MD	GUZIK	PIOTR	1	II Chair of General Surgery	6	1
195	MD	GUZIK	BARTŁOMIEJ	0.25	Chair of Histology	2	1
196	MSc, PhD	HARTWICH	JADWIGA	1	Chair of Clinical Biochemistry	6	1
197	MD, PhD	HAWRYLECKA	DOROTA	1	Chair of Hematology	2	1

198	PROF. MD, PhD	HECZKO	PIOTR	1	Chair of Microbiology	39	1
199	MD, PhD HAB	HEITZMAN	JANUSZ	1	Chair of Psychiatry	25	
200	MSc, PhD	HELBIN	JADWIGA	1	Depart. of Hygiene & Ecology	6	
201	PROF. MD, PhD	HERMAN	ROMAN	1	III Chair of General Surgery	31	1
202	MD, PhD	HERMAN-SUCHARSKA	IZABELA	1	Chair of Radiology	20	1
203	MD, PhD	HLADKI	WALDEMAR	1	II Chair of General Surgery	14	1
204	MD	HODOROWICZ-ZANIEWSKA	DIANA	1	I Chair of General Surgery	2	
205	DDS	HOLIAT	DOMINIKA	1	Chair of Anatomy	3	
206	MD, PhD	HUBALEWSKA-DYDEJCZYK	ALICJA	1	Chair of Endocrinology	21	1
207	PROF. MD, PhD	HUSZNO	BOHDAN	1	Chair of Endocrinology	34	1
208	MD, PhD	HYDZIK	PIOTR	1	Chair of Toxicology	5	1
209	MD, PhD HAB	IDZIOR-WALUŚ	BARBARA	1	Chair of Metabolic Diseases	30	1
210	MPharm, PhD	IGNACAK	JAN	1	Institute of Medical Biochemistry	18	
211	MD, PhD	IGNACAK	ADAM	1	Chair of Internal & Rural Med.	13	
212	MD, PhD	IGNACAK	EWA	1	Chair of Nephrology	12	
213	MD, PhD	ISKRA	TOMASZ	1	Chair of Anatomy	10	
214	MD	ISTRATI	JULITA	1	Depart. of Rheumatology & Balneology	5	1
215	MD, PhD	JABLONSKA	EDYTA	1	Chair of Oncology	10	1
216	MSc	JABLONSKI	ZBIGNIEW	1	Chair of Psychotherapy	29	
217	MD, PhD	JACH	ROBERT	1	Chair of Gynecology & Obstetrics	4	1

218	MD	JAGŁA	GRZEGORZ	1	Chair of Anatomy	2	
219	MD	JAGŁA	MATEUSZ	1	Polish-American Inst. of Pediatrics	3	1
220	MD	JAKIEŁA	BOGDAN	1	II Chair of Internal Med.	1	
221	MD, PhD	JAKUBOWSKI	ANDRZEJ	1	Chair of Pharmacology	11	
222	MD, PhD	JAMSKI	JERZY	1	III Chair of General Surgery	35	
223	MD, PhD	JANAS-SKULINA	URSZULA	1	Chair of Infectious Dis. & Hepatology	20	
224	MD, PhD	JANKOWSKI	MILOSZ	1	II Chair of Internal Med.	6	1
225	MD, PhD	JANUŚ	DOMINIKA	1	Polish-American Inst. of Pediatrics	6	1
226	MD, PhD	JAROSZ-CENCORA	BARBARA	0,25	Chair of Anesthes. & Intensive Care	28	1
227	MD, PhD	JARZĄB	ANNA	1	Polish-American Inst. of Pediatrics	3	1
228	MD, PhD	JARZYNOWSKI	WIESŁAW	1	II Chair of General Surgery	3	
229	MD	JASIEWICZ	BARBARA	0,50	Chair of Orthopedic	1	
230	MD, PhD	JAWIEN	JACEK	1	Chair of Pharmacology	11	1
231	MD	JAWIEN	MIROŚLAW	1	Chair of Microbiology	3	
232	MD	JAWOREK JEDYNAK- WAŚOWICZ	ANDRZEJ	1	Chair of Dermatology	1	1
233	MD, PhD	JAWIEN	URSZULA	1	Polish-American Inst. of Pediatrics	2	1
234	MD	JĘDRYCHOWSKI	MICHAŁ	1	Chair of Infectious Dis. & Hepatology	1	
235	PROF. MD, PhD	JĘDRYCHOWSKI	WIESŁAW	0,50	Chair of Epidemiology & Preventive Med.	43	1
236	MD, PhD	JONKISZ	JACEK	1	III Chair of General Surgery	25	
237	MA, PhD	JÓZEFIK	BARBARA	1	Chair of Psychiatry	14	1

238	MD, PhD	JURCZAK	WOJCIECH	1	Chair of Hematology	14	1
239	MSc	JURKOWSKA	HALINA	1	Institute of Medical Biochemistry	4	
240	MD	JURKOWSKI	JAROSLAW	0,50	Chair of Orthopedic	2 mies	
241	MSc	JURKOWSKI	WIKTOR	0,50	Departm. of Bioinformatics & Telemed.	1	1
242	MD	KACIŃSKA	EWA	1	Polish-American Inst. of Pediatrics	3	
243	PROF. MD, PhD	KACIŃSKI	MAREK	1	Polish-American Inst. of Pediatrics	33	
244	MD, PhD	KAIM	IRENA	1	Chair of Gynecology & Obstetrics	13	
245	MSc	KALFAS-PALUCH	DOROTA	1	Polish-American Inst. of Pediatrics	6	
246	MD	KALICIŃSKI	MARIUSZ	0,50	Chair of Orthopedic	2 mies	
247	MD, PhD	KASPERCZYK	ANNA	1	Polish-American Inst. of Pediatrics	11	
248	MD	KALINOWSKA-NOWAK	ANNA	1	Chair of Infectious Dis. & Hepatology	7	
249	MD, PhD	KAMENCZAK	ALEKSANDRA	1	Chair of Toxicology	26	
250	MD, PhD	KAPELAK	BOGUSŁAW	1	Institute of Cardiology	21	
251	MSc, PhD	KAPUSTA	MARIA	1	Chair of Clinical Biochemistry	1	
252	PROF. MD, PhD	KARCZ	DANUTA	1	II Chair of General Surgery	39	
253	MD	KARSKA-BASTA	IZABELLA	1	Chair of Ophthalmology	3	1
254	MSc, PhD	KASPRZYK	JÓZEF	1	Chair of Histology	34	
255	MSc, PhD	KASZUBA-ZWOIŃSKA	JOLANTA	1	Chair of Pathophysiology	1	
256	PROF. MD, PhD	KAWECKA-JASZCZ	KALINA	1	Institute of Cardiology	30	
257	MD, PhD	KAWIORSKI	WOJCIECH	1	I Chair of General Surgery	13	

258	MD	KACKA	KATARZYNA	0.50	Chair of Anesthes. & Intensive Care	1	
259	MD, PhD	KACKI	WOJCIECH	0.50	Chair of Orthopedic	1	
260	MPharm, PhD	KĘDRYNA	TERESA	1	Institute of Medical Biochemistry	35	
261	MSc, PhD	KĘDZERSKA	ANNA	1	Polish-American Inst. of Pediatrics	14	
262	MD	KIBIL	WOJCIECH	1	I Chair of General Surgery	2	
263	MD	KIERZKOWSKA	IZABELLA	1	Chair of Internal Med.&Gerontology	1	
264	MD, PhD	KIJOWSKI	JACEK	1	Polish-American Inst. of Pediatrics	2	
265	MD	KLEINROK	KRZYSZTOF	1	Chair of Radiology	11	1
266	MD, PhD	KLICH-RĄCZKA	ALICJA	1	Chair of Internal Med.&Gerontology	11	
267	MD, PhD, HAB	KLIMEK	MAREK	1	Chair of Gynecology & Obstetrics	16	
268	PROF. MD, PhD	KLIMEK	RUDOLF	0.50	Chair of Gynecology & Obstetrics	52	
269	MD, PhD	KLIMEK-PIOTROWSKA	WIESŁAWA	1	Chair of Anatomy	21	1
270	MD, PhD	KLUPA	TOMASZ	1	Chair of Metabolic Diseases	3	1
271	MD, PhD	KŁEK	STANISŁAW	1	I Chair of General Surgery	1	
272	PROF. MD, PhD	KŁYS	MAŁGORZATA	1	Chair of Forensic Medicine	19	1
273	MD	KNAPCZYK	MARTA	1	Chair of Gynecology & Obstetrics	11	
274	MD	KNUROWSKI	TOMASZ	1	Chair of Epidemiology & Preventive Med.	5	1
275	MD, PhD	KOBYLARZ	KRZYSZTOF	1	Chair of Anesthes. & Intensive Care	20	1
276	MD, PhD	KOBYLARZ	JOANNA	1	Chair of Ophthalmology	14	
277	MD	KOCHAN	PIOTR	1	Chair of Microbiology	1	1

278	MD, PhD HAB	KOLARZYK	EMILIA	1	Depart. of Hygiene & Ecology	22	1
279	MD, PhD HAB	KOLASIŃSKA-KLOCH	WŁADYSŁAWA	1	Institute of Cardiology	31	
280	MD	KOLAWA	WOJCIECH	1	Chair of Gynecology & Obstetrics	7	
281	MD	KOŁAKOWSKI	STANISŁAW	1	Chair of Psychiatry	26	
282	MD, PhD	KOŁCZ	JACEK	1	Polish-American Inst. of Pediatrics	3	
283	MD, PhD	KOŁODZIEJ	JAN	1	Chair of Forensic Medicine	39	
284	MD, PhD	KOŁODZIEJCZYK	PIOTR	1	I Chair of General Surgery	8	
285	MD, PhD	KOŁODZIEJSKI	LECH	1	Chair of Gynecology & Obstetrics	25	
286	MSc, PhD	KOMOROWSKA	ZOFIA	1	Chair of Histology	35	
287	MD, PhD	KONDURACKA	EWA	1	Institute of Cardiology	15	1
288	MD	KONIOR	MARCIN	1	Chair of Otolaryngology	2	1
289	MSc INŻ	KONONOWICZ	ANDRZEJ	1	Departm. of Bioinformatics & Telemed.	5 mies	
290	MD, PhD	KONOPKA	TOMASZ	1	Chair of Forensic Medicine	18	
291	MD, PhD	KONTUREK	ALEKSANDER	1	III Chair of General Surgery	10	
292	PROF. MD, PhD	KONTUREK	STANISŁAW	0,25	Chair of Physiology	51	1
293	MD, PhD	KOPEĆ	JERZY	1	Chair of Nephrology	24	1
294	MD, PhD	KORBUT	RENATA	1	Chair of Internal & Rural Med.	2	
295	PROF. MD, PhD	KORBUT	RYSZARD	1	Chair of Pharmacology	33	1
296	MD, PhD	KORDON	ZBIGNIEW	1	Polish-American Inst. of Pediatrics	16	1
297	MD, PhD	KORKOSZ	MARIUSZ	1	Depart. of Rheumatology & Balneology	13	1

298	MD, PhD	KOSMALA	JANIUSZ	1	Chair of Anatomy	10	
299	MD, PhD	KOSTKIEWICZ	MAGDALENA	1	Institute of Cardiology	25	
300	MD, PhD	KOSTYK	EWA	1	Polish-American Inst. of Pediatrics	19	
301	MD, PhD HAB	KOWALCZYK	MACIEJ	0,50	Polish-American Inst. of Pediatrics	5	
302	MD, PhD HAB	KOWALCZYK	DANIUTA	1	Polish-American Inst. of Pediatrics	28	1
303	MD, PhD	KOWALCZYK	BARTŁOMIEJ	0,25	Polish-American Inst. of Pediatrics	3	1
304	MD, PhD	KOWALSKA-DUPLAGA	KINGA	1	Polish-American Inst. of Pediatrics	7	1
305	MD, PhD	KOWALSKI	PIOTR	1	Chair of Forensic Medicine	2	
306	MD	KOWALSKI	ROBERT	1	II Chair of Internal Med.	0	
307	MD, PhD	KOZEK	ELZBIETA	1	Chair of Metabolic Diseases	28	
308	MD, PhD	KÓZKA	MARIUSZ	1	II Chair of General Surgery	25	
309	MD, PhD	KRASOWSKA-KWIECIEŃ	ALEKSANDRA	1	Polish-American Inst. of Pediatrics	4	
310	MD, PhD	KRAŚNIAK	ANDRZEJ	1	Chair of Nephrology	21	
311	MD	KRATOCHWIL	MARIAN	1	I Chair of General Surgery	7	
312	MD	KRAWCZYK	PAWEŁ	1	Chair of Anesthes. & Intensive Care	1	1
313	MD, PhD	KROBICKA	BARBARA	1	Polish-American Inst. of Pediatrics	10	1
314	MD, PhD	KROCZKA	SŁAWOMIR	1	Polish-American Inst. of Pediatrics	12	
315	MSc, PhD	KRÓL	MARCIN	1	Departm. of Bioinformatics & Telemed.	6	1
316	MD, PhD	KRÓLCZYK	GRZEGORZ	1	Chair of Pathophysiology	6	1
317	MD, PhD	KRÓLIKOWSKI	WIESŁAW	1	II Chair of Internal Med.	6	

318	MD, PhD	KRÓL-JAWIEŃ	WANDA	1	Polish-American Inst. of Pediatrics	27	
319	MD, PhD	KRUCZEK	PIOTR	1	Polish-American Inst. of Pediatrics	13	1
320	MD	KRUCZEK	ANNA	1	Polish-American Inst. of Pediatrics	10	1
321	MD	KRUPA	MARIUSZ	1	Inst. of Neurology	6	1
322	MD, PhD	KRUSZYNA	TOMASZ	1	I Chair of General Surgery	4	
323	MD, PhD	KRYGOWSKA-WAJS KRYJ-	ANNA	1	Inst. of Neurology	24	1
324	MD	RADZISZEWSKA	ELZBIETA	1	Chair of Internal Med. & Gerontology	8	1
325	MD, PhD	KRYSTA	MIROSLAW	1	Polish-American Inst. of Pediatrics	13	
326	MD, PhD	KRZANOWSKI KRZESIWO-	MAREK	1	II Chair of Internal Med.	14	
327	MD	STEMPAK	KATARZYNA	1	III Chair of General Surgery	9	
328	MD, PhD	KRZESOWIAK	JOLANTA	1	I Chair of General Surgery	16	
329	MD, PhD	KRZYCZKOWSKA- SENDRAKOWSKA	MAGDALENA	1	Chair of Gynecology & Obstetrics	24	
330	PROF. MD, PhD	KRZYSIEK	JÓZEF	1	Chair of Gynecology & Obstetrics	29	1
331	MD, PhD	KRZYSZKOWSKI	TADEUSZ	1	Inst. of Neurology	24	
332	MD	KRZYSZTOŃ	JANUSZ	0,50	Chair of Internal Med. & Gerontology	5	1
333	MD	KRZYWOŃ	JERZY	1	II Chair of General Surgery	8	1
334	MD, PhD	KRZYŻANOWSKA- KULA	TERESA	1	Chair of Anesthes. & Intensive Care	25	
335	MD, PhD, HAB	KUBATKO- ZIELINSKA	ANNA	1	Chair of Ophthalmology	24	
336	MD, PhD	KUBICKA-TRZĄSKA	AGNIESZKA	1	Chair of Ophthalmology	8	1
337	MD	KUBICZ	DARIUSZ	0,25	Chair of Histology	2	

338	MD, PhD	KUBICZEK	KRYSTYNA	1	Polish-American Inst. of Pediatrics	34	1
339	MD, PhD	KUBIK	ALICJA	1	Polish-American Inst. of Pediatrics	4	
340	MSc, PhD hab	KUCIEL	RADOSŁAWA	1	Institute of Medical Biochemistry	39	1
341	PROF. MD, PhD	KULIG	JAN	1	I Chair of General Surgery	32	
342	MD, PhD	KUMOROWICZ-KOPIEC	MAŁGORZATA	1	Polish-American Inst. of Pediatrics	13	1
343	MD, PhD HAB	KUNZ	JERZY	1	Chair of Forensic Medicine	30	1
344	MD, PhD	KUREK	STANISŁAW	1	Chair of Oncology	7	
345	MD	KURZAWA	RAFAL	1	Chair of Internal Med.&Gerontology	1	1
346	MD	KUSIONOWICZ	JACEK	1	Chair of Urology	8	
347	MSc	KUSIOR	DOROTA	1	Institute of Medical Biochemistry	8	
348	MSc, PhD	KUŚNIERZ-CABALA	BEATA	1	Chair of Clinical Biochemistry	3	
349	MD	KUŻMA	JACEK	1	Polish-American Inst. of Pediatrics	2	1
350	MD, PhD	KUŹNIEWSKI	MAREK	1	Chair of Nephrology	27	
351	MD, PhD	KWAŚNY-KROCHIN	BEATA	1	Depart. of Rheumatology & Balneology	13	1
352	MD	KWATER	ALEKSANDER	1	Chair of Internal Med.&Gerontology	4	
353	MD, PhD HAB	KWIATKOWSKI	STANISŁAW	1	Polish-American Inst. of Pediatrics	7	
354	MD, PhD	KWIECIEŃ	SŁAWOMIR	1	Chair of Physiology	5	
355	MD, PhD	KWIECIEŃ	NINA	1	Chair of Physiology	33	
356	MD, PhD	KWIECIEŃ-GŁOWACKA	EMILIA	1	Chair of Nephrology	34	
357	MD	KWIECIŃSKA	KINGA	1	Polish-American Inst. of Pediatrics	6	1

358	MD, PhD	KWINTA	PRZEMKO	1	Polish-American Inst. of Pediatrics	10	1
359	PROF. MD, PhD	LAIDLER	PIOTR	1	Institute of Medical Biochemistry	32	1
360	MD	LANGIE	TOMASZ	1	Chair of Anesthes. & Intensive Care	7	1
361	MD, PhD	LANKOSZ- LAUTERBACH	JANINA	1	Polish-American Inst. of Pediatrics	29	1
362	MD, PhD	LASKIEWICZ	JANUSZ	1	Chair of Pathophysiology	6	
363	PROF. MD, PhD	LAUTERBACH	RYSZARD	1	Chair of Gynecology & Obstetrics	12	
364	MD	LAZAR	AGATA	1	Chair of Pathomorphology	12	
365	MD, PhD	LEGUTKO	JACEK	1	Institute of Cardiology	6	
366	MD, PhD	LEGUTKO	JANUSZ	1	I Chair of General Surgery	34	
367	MD, PhD Hab	LEJMAN	WŁADYSŁAW	1	Chair of History of Medicine	34	
368	MD, PhD	LEJMAN	TADEUSZ	1	Polish-American Inst. of Pediatrics	30	
369	MD, PhD HAB	LELAKOWSKI	JACEK	1	Institute of Cardiology	23	
370	MSc, PhD	LEMAŃSKA LEPSZY-	DOROTA	1	Polish-American Inst. of Pediatrics	20	
371	MD	MUSZYŃSKA- LESZCZYŃSKA- GOŁĄBEK	KATARZYNA	1	Chair of Anesthes. & Intensive Care	7	1
372	MD, PhD	LIPCZYŃSKI	IWONA	1	Chair of Clinical Biochemistry	9	1
373	MD, PhD	LIPCZYŃSKI	WACŁAW	1	Chair of Urology	12	
374	MD	LIPIK	EWA	0.50	Chair of Orthopedic	1	
375	MD	LIPIŃSKI	KRZYSZTOF	0.25	Chair of Histology	4	1
376	MD	LIPKO-GODLEWSKA	SYLWIA	1	Chair of Dermatology	3	1
377	DDS	LIPSKI	MARCIN	1	Chair of Anatomy	1	

378	MD, PhD	LIS	GRZEGORZ	1	Chair of Histology	14	1
379	MD, PhD HAB	LIS	GRZEGORZ	1	Polish-American Inst. of Pediatrics	21	1
380	MD	LISOWSKA- MISZCZYK	ILONA	1	Chair of Gynecology & Obstetrics	6	
381	PROF. MD, PhD	LITWIN	JAN	1	Chair of Histology	33	1
382	MD	LIZOŃ	JACEK	1	Chair of Anesthes. & Intensive Care	4	
383	MD	LOCH-BAKOŃSKA	LIDIA	1	Chair of Anesthes. & Intensive Care	7	
384	MD, PhD	LONGAWA	KRYSTYNA	1	Inst. of Neurology	23	
385	MD, PhD	LORENS	KRZYSZTOF	1	Chair of Physiology	12	
386	MD, PhD	LORKOWSKI	BARBARA	1	Chair of Pharmacology	2	
387	MD, PhD	LORKOWSKI	JACEK	0,50	Chair of Anatomy	1	1
388	MD	LOSTER	JAKUB	0,25	Chair of Histology	1	1
389	MD, PhD	LOSTER	ANTONINA	1	Chair of Gynecology & Obstetrics	20	
390	MD, PhD	LUBASZEWSKI LUCHTER-	WOJCIECH	1	Institute of Cardiology	16	
391	MSc, PhD hab	WASYLEWSKA	EWA	1	Institute of Medical Biochemistry	37	
392	MD	LUDWIN LUSZAWSKA-	ARTUR	1	Chair of Gynecology & Obstetrics	1	
393	MD, PhD	KUTRZEBA	TERESA	1	Polish-American Inst. of Pediatrics	2	
394	MSc	ŁAPICKA-BODZIOCH	KATARZYNA	0,75	Chair of Clinical Biochemistry	2	
395	PROF. MD, PhD	MACH	TOMASZ	1	Chair of Infectious Diseases & Hepatology	29	
396	PROF. MD, PhD	MACURA	ANNA	1	Chair of Microbiology	31	1
397	MD, PhD	MACURA-BIEGUN	ANNA	1	Polish-American Inst. of Pediatrics	7	

398	MD, PhD	MADEJ	JACEK	1	Chair of Gynecology & Obstetrics	16	
399	MD, PhD HAB	MAGDOŃ	MARZANNA	1	Chair of Clinical Biochemistry	38	
400	MD, PhD	MAJEWSKI	JACEK	1	Institute of Cardiology	8	1
401	MD, PhD	MAJKA	JOLANTA	1	Chair of Physiology	15	
402	MD, PhD	MAJKA	MARCIN	1	Polish-American Inst. of Pediatrics	2	
403	MD, PhD	MALCZEWSKA- MALEC	MAŁGORZATA	1	Chair of Clinical Biochemistry	6	1
404	PROF. MD, PhD	MALEC	EDWARD	1	Polish-American Inst. of Pediatrics	16	1
405	MD, PhD	MAŁECKA	BARBARA	1	Institute of Cardiology	16	1
406	MSc, PhD	MAŁECKI	JĘDRZEJ	1	Institute of Medical Biochemistry	1	1
407	MD, PhD HAB	MAŁECKI	MACIEJ	1	Chair of Metabolic Diseases	11	1
408	PROF. MD, PhD	MARCINKIEWICZ	JANUSZ	1	Chair of Immunology	29	1
409	MD, PhD	MARCINKIEWICZ	EWA	1	Chair of Pharmacology	30	1
410	MD, PhD	MAREK SZYDŁOWSKA	GRZEGORZ	1	Institute of Cardiology	19	1
411	MD, PhD	MARGAS	TERESA	1	Polish-American Inst. of Pediatrics	18	
412	MD, PhD	MARKIEWICZ	ANNA	1	Chair of Internal Med. & Gerontology	1	1
413	MD	MARKIEWICZ	JACEK	1	Chair of Ophthalmology	3	1
414	MD, PhD	MARMON	GRAZYNA	1	Chair of Dermatology	26	1
415	MA, PhD	MARTYNIAK	LUCYNA	1	Chair of Epidemiology & Preventive Med.	28	
416	MSc	MARTYNIAK	LUCYNA	1	Departm. of Bioinformatics & Telemed.	27	
417	MD, PhD HAB	MASTALERZ	LUCYNA	1	II Chair of Internal Med.	8	

418	MD, PhD	MATYJA	ANDRZEJ	1	I Chair of General Surgery	22	
419	MD, PhD	MAZANEK- MOŚCICKA	MONIKA	1	Chair of Gynecology & Obstetrics	13	
420	MD	MAZUR	MARCEL	1	Chair of Pathophysiology	2	1
421	MD, PhD	MĄDROSKIEWICZ	DOROTA	1	Chair of Infectious Dis. & Hepatology	11	
422	MD, PhD	MĄDROSKIEWICZ	EWA	1	Inst. of Neurology	32	
423	MD, PhD	MEJZA	FILIP	1	II Chair of Internal Med.	1	1
424	MSc, PhD	MICHALSKI	JÓZEF	1	Chair of Physiology	38	
425	MD, PhD	MIEŻYŃSKI	WITOLD	0.50	Polish-American Inst. of Pediatrics	1	
426	MD, PhD	MIEŻYŃSKI	ROBERT	1	Polish-American Inst. of Pediatrics	12	
427	MD, PhD	MIGDAŁ	MAŁGORZATA	1	Chair of Gynecology & Obstetrics	10	
428	MD, PhD	MILEWICZ	TOMASZ	1	Chair of Gynecology & Obstetrics	12	1
429	MD, PhD	MILEWSKI	MAMERT	1	II Chair of Internal Med.	11	1
430	PROF. MD, PhD	MIODOŃSKI	ADAM	1	Chair of Otolaryngology	36	1
431	PROF. MD, PhD	MIRECKA	JADWIGA	1	Chair of Histology	41	1
432	MD, PhD	MITKOWSKA	ZOFIA	1	Polish-American Inst. of Pediatrics	27	
433	MD, PhD	MIZIA	EWA	1	Chair of Anatomy	7	
434	MD, PhD	MODRZEJEWSKA- KUBIAK	RENATA	1	Chair of Psychiatry	16	1
435	MD, PhD HAB	MODRZEJEWSKI	MACIEJ	1	Chair of Otolaryngology	22	1
436	MD, PhD	MORASIEWICZ	JANUSZ	1	Chair of Psychiatry	1	
437	MD, PhD	MORYL- BUJAKOWSKA	ANGELINA	1	Polish-American Inst. of Pediatrics	4	1

438	MD, PhD HAB	MOSKAŁA	MAREK	1	Inst. of Neurology	25	
439	MD	MROCZEK	TOMASZ	1	Polish-American Inst. of Pediatrics	2	
440	MD	MROZEK	BARBARA	1	Chair of Anesthes. & Intensive Care	22	
441	MD, PhD	MROZEK-BUDZYN	DOROTA	0.50	Chair of Epidemiology & Preventive Med.	1	
442	MD, PhD	MULLER	PIOTR	1	Chair of Anesthes. & Intensive Care	20	1
443	PROF. MD, PhD	MUSIAŁ	JACEK	1	II Chair of Internal Med.	32	1
444	MD, PhD	MUSIAŁ	AGATA	1	Chair of Anatomy	10	
445	MD, PhD	MUSZYŃSKI	PIOTR	1	Chair of Otolaryngology	10	1
446	MD	NADURSKI	PATRYCJUSZ	1	Chair of Anatomy	1	
447	MD	NARZEWSKA-SZCZEPANIK	MONIKA	1	Chair of Radiology	1	
448	PROF. MD, PhD	NASKALSKI	JERZY	1	Chair of Clinical Biochemistry	44	1
449	MD, PhD	NAZIM	JOANNA	1	Polish-American Inst. of Pediatrics	13	1
450	MD, PhD	NESSLER	BOHDAN	1	Institute of Cardiology	8	
451	MD, PhD	NESSLER	JADWIGA	1	Institute of Cardiology	13	
452	MD	NIEZABITOWSKI	PAWEL	0.50	Chair of Pharmacology	12	
453	PROF. MD, PhD	NIZANKOWSKA-MOGILNICKA	EWA	1	II Chair of Internal Med.	32	1
454	MD, PhD HAB	NIZANKOWSKI	RAFAŁ	1	II Chair of Internal Med.	19	1
455	MD, PhD	NOWAK	MARCIN	1	III Chair of General Surgery	1	
456	MD, PhD	NOWAK	WIESŁAW	1	Chair of Hematology	8	
457	MD	NOWAK	ŁUKASZ	1	Chair of Pathophysiology	3	

468	PROF. MD, PhD	NOWAK	WOJCIECH	1	Chair of Anatomy	30	
469	MD, PhD	NOWAK	JOLANTA	1	Chair of Anesthes. & Intensive Care	25	
460	MPharm, PhD	NOWAK	JACEK	1	Polish-American Inst. of Pediatrics	26	1
461	MD	NOWAKOWSKI	MICHAŁ	1	III Chair of General Surgery	4	1
462	MD	OBTUŁOWICZ	ALEKSANDER	0,50	Chair of Dermatology	4	1
463	PROF. MD, PhD	OBTUŁOWICZ	KRYSTYNA	1	Chair of Toxicology	34	1
464	MD	OBUCHOWICZ	RAFAŁ	1	Chair of Physiology	4	
465	MD, PhD HAB	ODROWĄŻ-PIENIAŻEK	PIOTR	1	Institute of Cardiology	8	
466	MD, PhD	OKOŃ	KRZYSZTOF	1	Chair of Pathomorphology	11	1
467	MD, PhD	OLSZANECKI	RAFAŁ	1	Chair of Pharmacology	4	1
468	PROF. MD, PhD	OLSZEWSKI	EUGENIUSZ	0,13	Chair of Otolaryngology	48	1
469	MSc, PhD	OLSZOWSKA	EWA	1	Institute of Medical Biochemistry	27	
470	MD, PhD	OLSZOWSKA	MARIA	1	Institute of Cardiology	23	
471	MSc, PhD	OLSZOWSKI	ŚLAWOMIR	1	Institute of Medical Biochemistry	23	1
472	MD	OPŁAWSKI	MARCIN	1	Chair of Gynecology & Obstetrics	2	
473	MSc, PhD	OPOLSKA-BOGUSZ	BARBARA	1	Chair of Forensic Medicine	35	
474	MD, PhD	ORLICKI	PAWEŁ	1	III Chair of General Surgery	17	
475	MD, PhD	ORSKI	JACEK	1	Chair of Internal Med. & Gerontology	19	
476	MD, PhD	ORTYL	EWA	1	Chair of Ophthalmology	12	1
477	PROF. MD, PhD	ORWID	MARIA	0,13	Chair of Psychiatry	51	

478	MSc	OSTACHOWSKA- GAŚIOR	AGNIESZKA	1	Depart. of Hygiene & Ecology	5	1
479	MSc	OSTROWSKA	BARBARA	1	Institute of Medical Biochemistry	8	
480	MD, PhD	OSUCH	CZESŁAW	1	I Chair of General Surgery	11	
481	MD, PhD	OWCZAREK	DANUTA	1	Chair of Infectious Dis. & Hepatology	2	
482	MD, PhD	PABIAN	WOJCIECH	1	Chair of Gynecology & Obstetrics	14	
483	MD, PhD	PACH	DOROTA	1	Chair of Endocrinology	12	
484	PROF. MD, PhD	PACH	JANUSZ	1	Chair of Toxicology	45	
485	MD	PACIOREK	ANNA	1	Chair of Radiology	1	
486	MD, PhD	PAJDO	ROBERT	1	Chair of Physiology	1	
487	MD	PALKA	MAŁGORZATA	0,50	Chair of Internal Med. & Gerontology	7	1
488	MD, PhD HAB	PANEK	JÓZEFA	1	II Chair of General Surgery	31	
489	MD, PhD	PAPLA	BOLESŁAW	0,50	Chair of Pathomorphology	40	1
490	MD, PhD	PARADOWSKI	ANDRZEJ	1	Institute of Cardiology	18	
491	MD, PhD	PARTYKA	ŁUKASZ	1	Chair of Clinical Biochemistry	9	1
492	MD, PhD	PARUCH	KRYSTYNA	1	Polish-American Inst. of Pediatrics	26	
493	MD, PhD	PASOWICZ	MIECZYSLAW	0,50	Institute of Cardiology	4	
494	MD, PhD	PATLA	ANNA	1	Chair of Oncology	2	
495	PROF. MD, PhD	PAWŁĘGA	JANUSZ	1	Chair of Oncology	8	1
496	PROF. MD, PhD	PAWLICKI	ROMAN	1	Chair of Histology	42	
497	MD, PhD	PAWLIK	DOROTA	1	Chair of Gynecology & Obstetrics	18	

498	MD, PhD	PAWLIK	TERESA	1	Chair of Internal Med.&Gerontology	16	
499	MD, PhD	PAWLIK	MICHAŁ	1	Chair of Physiology	1	
500	MD, PhD	PAWLIK	WIESŁAW	1	Chair of Radiology	13	
501	PROF. MD, PhD	PAWLIK	WIESŁAW	1	Chair of Physiology	40	1
502	MPHarm, PhD	PAWLIK	BOLESŁAW	1	Chair of Microbiology	39	
503	MSc	PENAR	AGNIESZKA	1	Chair of Epidemiology & Preventive Med.	2	1
504	MD, PhD	PETKOW-DIMITROW	PAWEŁ	1	Institute of Cardiology	11	
505	MD, PhD, HAB	PFITZNER PIĄTKOWSKA- JAKUBAS	ROMAN	1	Institute of Cardiology	23	1
506	MD, PhD	JAKUBAS	BEATA	1	Chair of Hematology	13	1
507	MD	PICHÓR	ANNA	0,25	Chair of Histology	2	1
508	MD, PhD	PIECZARKOWSKI	STANISŁAW	1	Polish-American Inst. of Pediatrics	5	1
509	MSc, PhD	PIEKARSKA	BARBARA	1	Institute of Medical Biochemistry	20	1
510	PROF. MD, PhD	PIEKOSZEWSKI	WOJCIECH	1	Chair of Toxicology	3	1
511	MSc, PhD	PIERZCHALSKI	PIOTR	1	Chair of Physiology	8	
512	MD	PIETRASZKO	WOJCIECH	1	Inst. of Neurology	1	1
513	MSc, PhD	PIETRZYK	AGATA	1	Chair of Microbiology	14	1
514	MD, PhD, HAB	PIETRZYK	JACEK	1	Polish-American Inst. of Pediatrics	27	1
515	PROF. MD, PhD	PIETRZYK	JACEK	1	Polish-American Inst. of Pediatrics	34	1
516	MD, PhD	PILECKI PITUCH-	MACIEJ	1	Chair of Psychiatry	8	1
517	MD, PhD, HAB	NOWOROLSKA	ANNA	1	Polish-American Inst. of Pediatrics	10	1

518	MD, PhD	PITYŃSKI	KAZIMIERZ	1	Chair of Gynecology & Obstetrics	20	
519	PROF. MD, PhD	PIWOWARSKA	WIESŁAWA	1	Institute of Cardiology	35	
520	MSc	PLACHA PLACZKIEWICZ-	WOJCIECH	1	Institute of Medical Biochemistry	10	
521	MD, PhD	JANKOWSKA	EWA	1	Chair of Endocrinology	4	1
522	MD, PhD, HAB	PODOLEC	PIOTR	1	Institute of Cardiology	22	1
523	MD	PODSIADKO PODSIADKO-	LILIANNA	1	Chair of Radiology	6	1
524	MD, PhD	KLEINROK	BEATA	1	Chair of Radiology	22	
525	MD, PhD	PODZIORYNY	HENRYK	1	Chair of Anesthes. & Intensive Care	18	
526	MD, PhD	POGAN	ANNA	1	Polish-American Inst. of Pediatrics	9	1
527	MD, PhD	POGRZEBIELSKI	ARKADIUSZ	1	Chair of Ophthalmology	4	1
528	MD, PhD	POLEWKA	ANDRZEJ	0.50	Chair of Toxicology	5 mies	
529	MD, PhD	POPIELA	TADEUSZ	1	I Chair of General Surgery	9	1
530	PROF. MD, PhD	POPIELA	TADEUSZ	0.50	I Chair of General Surgery	50	
531	MD	POPIELA	WOJCIECH	1	Chair of Anesthes. & Intensive Care	27	
532	MD, PhD	POPIELSKI	LEON	1	Chair of Otolaryngology	31	1
533	MD, PhD	PORĘBSKI	GRZEGORZ	0.50	Chair of Toxicology	1	1
534	MD, PhD	POTOCZEK	ANNA	1	Chair of Psychiatry	4	1
535	MD, PhD	POŹNICZEK	MAREK	1	II Chair of General Surgery	33	
536	PROF. MD, PhD	PRYJMA	JULIUSZ	0.25	Polish-American Inst. of Pediatrics	5	
537	MD	PRZEKLASA	ROBERT	1	Chair of Otolaryngology	5	

538	MD, PhD	PRZEKLASA-MUSZYŃSKA	ANNA	1	Chair of Anesthes. & Intensive Care	9	
539	MD, PhD HAB	PRZEWŁOCKI	TADEUSZ	1	Institute of Cardiology	6	
540	MD, PhD	PRZYBYLIK-MAZUREK	ELWIRA	1	Chair of Endocrinology	19	
541	MD, PhD	PRZYBYŁOWSKI	PIOTR	1	Institute of Cardiology	10	1
542	MD, PhD	PRZYBYSZEWSKA	KATARZYNA	1	Polish-American Inst. of Pediatrics	16	
543	MD	PRZYBYSZOWSKI	MILOSZ	1	Polish-American Inst. of Pediatrics	3	1
544	MSc, PhD	PTAK	MARIA	1	Chair of Immunology	25	
545	MD, PhD	PTAK-BELOWSKA	AGATA	1	Chair of Physiology	3	
546	MD, PhD HAB	PUCHAŁA	JACEK	1	Polish-American Inst. of Pediatrics	11	
547	MSc	PYRCZAK	WIESLAW	1	Departm. of Bioinformatics & Telemed.	1	
548	MD, PhD	RADKO	WOJCIECH	1	Polish-American Inst. of Pediatrics	28	
549	MD	RADZISZEWSKA	RENATA	1	Chair of Gynecology & Obstetrics	5	
550	MD	RADZYMIŃSKA-GADEK	BEATA	0,50	Polish-American Inst. of Pediatrics	5	
551	MD, PhD	RAJZER	MAREK	1	Institute of Cardiology	9	
552	MD	RAJZER	LIDIA	1	Chair of Dermatology	3	
553	MD	RAPACZ-TOMASIK	MAŁGORZATA	1	Chair of Urology	1	
554	PROF. MD, PhD	RATAJCZAK	MARIUSZ	1	Polish-American Inst. of Pediatrics	1	
555	MD, PhD HAB	REMBIASZ	KAZIMIERZ	1	II Chair of General Surgery	27	
556	MD	RENCZYŃSKA	MONIKA	1	Chair of Radiology	7	
557	MD, PhD HAB	RERON	ALFRED	1	Chair of Gynecology & Obstetrics	38	1

558	PROF. MD, PhD	RON	ELBIETA	1	Chair of Otolaryngology	35	1
559	MD	RE	FILIP	1	III Chair of General Surgery	8	
560	MD, PhD	REWER	ANETA	1	Chair of Psychotherapy	2	
561	MD, PhD HAB	RICHTER	PIOTR	1	I Chair of General Surgery	17	
562	MD	ROBAK	JOLANTA	1	Chair of Psychiatry	7	
563	MD, PhD	ROGATKO	IWONA	1	Polish-American Inst. of Pediatrics	11	
564	MD, PhD	ROGULA	TOMASZ	1	III Chair of General Surgery	11	
565	PROF. MD, PhD	ROKITA	EUGENIUSZ	1	Chair of Physiology	6	1
566	MSc	ROMANISZYN ROMANOWSKA- DIXON	DOROTA	1	Chair of Microbiology	8	
567	MD, PhD HAB		BOZENA	1	Chair of Ophthalmology	20	1
568	MD, PhD	ROSTWOROWSKA ROTHERMAN-	MARIA	1	Chair of Psychiatry	18	
569	PROF. MD, PhD	KONIECZNA	IRENA	1	Departm. of Bioinformatics & Telemed.	30	1
570	MD, PhD	RÓG	TERESA	1	Inst. of Neurology	21	
571	MD, PhD	RÓG-GROCHOWSKA	ELBIETA	1	Polish-American Inst. of Pediatrics	32	
572	MD, PhD	RUDNICKA-SOSIN	LUCYNA	1	Chair of Pathomorphology	11	1
573	MD, PhD	RUDZIŃSKI	PAWEŁ	1	Institute of Cardiology	10	1
574	MD, PhD HAB	RUDZIŃSKI	ANDRZEJ	1	Polish-American Inst. of Pediatrics	33	1
575	MD, PhD	RUDZKI	ZBIGNIEW	1	Chair of Pathomorphology	13	1
576	MD, PhD	RUTKOWSKI	KRZYSZTOF	1	Chair of Psychiatry	11	1
577	MD	RYMARCZYK	ADRIAN	0,50	Chair of Orthopedic	1	

578	PROF. MD, PhD	RYN	ZDZISŁAW	1	Chair of Psychiatry	31	
579	MD, PhD	RYTLEWSKI RZEPECKA-	KRZYSZTOF	1	Chair of Gynecology & Obstetrics	25	
580	MD, PhD	WĘGLARZ RZEPECKA-	BEATA	1	Chair of Gynecology & Obstetrics	11	
581	MD	WOŹNIAK	EWA	1	Chair of Forensic Medicine	8	1
582	MD, PhD	SACHA	TOMASZ	1	Chair of Hematology	12	1
583	PROF. MD, PhD	SADOWSKI	JERZY	1	Institute of Cardiology	25	
584	MSc, PhD	SALAMANCZUK	ZORIANA	1	Chair of Hematology	1 mies	
585	MD	SALAŃKOWSKI	ANDRZEJ	1	Chair of Internal Med.&Gerontology	1	
586	MD, PhD HAB	SANAK	MAREK	1	II Chair of Internal Med.	9	1
587	MD, PhD HAB	SANCEWICZ-PACH	KRYSTYNA	1	Polish-American Inst. of Pediatrics	38	
588	MSc INŻ.	SARAPATA	KRZYSZTOF	1	Departm. of Bioinformatics & Telemed.	1	
589	MD	SAWIEC	PIOTR	1	Polish-American Inst. of Pediatrics	1	1
590	MD	SCHMIDT-POSPUŁA	MARIA	1	Chair of History of Medicine	29	
591	MD	SEBASTIANOWICZ	PIOTR	0,50	Chair of Orthopedic	1	
592	MD, PhD	SENDUR	RYSZARD	1	Chair of Physiology	30	
593	MD, PhD	SEREDNICKI	WOJCIECH	1	Chair of Anesthes. & Intensive Care	8	
594	MD, PhD	SETKOWICZ	MAŁGORZATA	1	Chair of Dermatology	7	
595	PROF. MD, PhD	SĘDZIWIY	LUDWIK	0,13	Institute of Cardiology	5	
596	MD, PhD	SIEDLAR SIENKIEWICZ-	MACIEJ	1	Polish-American Inst. of Pediatrics	15	1
597	MD	ZAWILIŃSKA	JUSTYNA	1	Chair of Anatomy	1	

598	PROF. MD, PhD	SIERADZKI	JACEK	1	Chair of Metabolic Diseases	34	
599	MD	SIERŻĘGA	MAREK	1	I Chair of General Surgery	2	
600	MD, PhD	SIEWIERSKA	MAŁGORZATA	1	Chair of Microbiology	9	1
601	MD, PhD	SKALSKA	ANNA	1	Chair of Internal Med. & Gerontology	11	1
602	PROF. MD, PhD	SKŁADZIEN	JACEK	1	Chair of Otolaryngology	26	1
603	MD, PhD	SKOCZEŃ	SZYMON	1	Polish-American Inst. of Pediatrics	10	1
604	MD, PhD	SKOP	AGATA	1	Depart. of Hygiene & Ecology	1	1
605	PROF. MD, PhD	SKOTNICKI	ALEKSANDER	1	Chair of Hematology	32	1
606	MD, PhD	SKOTNICZNY	KRZYSZTOF	1	Chair of Gynecology & Obstetrics	11	
607	MSc, PhD	SKRZAT	JANUSZ	1	Chair of Anatomy	13	1
608	MD, PhD	SKUCIŃSKI	JERZY	1	I Chair of General Surgery	15	
609	MD, PhD	SKWARA	PAWEŁ	1	Chair of Infectious Dis. & Hepatology	11	1
610	MD, PhD	SŁADEK	MAŁGORZATA	1	Polish-American Inst. of Pediatrics	11	1
611	PROF. MD, PhD	SŁADEK	KRZYSZTOF	1	II Chair of Internal Med.	20	1
612	MSc, PhD	SŁODOWSKA-HAJDUK	ZOFIA	1	Chair of Pathophysiology	19	
613	MD, PhD	SŁOWIK	AGNIESZKA	1	Inst. of Neurology	16	1
614	MD	SMĘDER	KATARZYNA	1	III Chair of General Surgery	2	
615	MD, PhD	SOBAŃSKI	JERZY	1	Chair of Psychotherapy	2	1
616	MD, PhD	SOBCZYK-KRUPIARZ	IWONA	1	Chair of Infectious Dis. & Hepatology	8	
617	MD, PhD	SOBOCKI	JACEK	1	III Chair of General Surgery	1	1

618	MSc	SOCHACKA-TATARA	ELŻBIETA	1	Chair of Epidemiology & Preventive Med.	2	
619	MD, PhD	SOJA	JERZY	1	II Chair of Internal Med.	14	1
620	MD, PhD	SOKOŁOWSKA-KOZUB	TERESA	1	Chair of Anesthes. & Intensive Care	31	
621	MD, PhD	SOLECKI	RAFAL	1	I Chair of General Surgery	4	1
622	MD, PhD	SOLNICA	BOGDAN	1	Chair of Clinical Biochemistry	12	1
623	MD, PhD HAB	SPODARYK	MIKOŁAJ	1	Polish-American Inst. of Pediatrics	16	
624	MD, PhD	SPÓLNIK	PAWEŁ	1	Institute of Medical Biochemistry	1	
625	MD, PhD	STACHURA	KRZYSZTOF	1	Inst. of Neurology	21	1
626	PROF. MD, PhD	STACHURA	JERZY	1	Chair of Pathomorphology	43	1
627	MSc, PhD	STANISZ-WALLIS	KRYSTYNA	1	Departm. of Bioinformatics & Telemed.	27	
628	MSc, PhD	STANUCH	HELENA	1	Departm. of Bioinformatics & Telemed.	29	
629	PROF. MD, PhD	STARZYCKA	MARIA	0.50	Chair of Ophthalmology	43	1
630	MD, PhD	STARZYCKA-BIGAJ	EWA	1	Chair of Ophthalmology	10	1
631	MD, PhD HAB	STARZYK	JERZY	1	Polish-American Inst. of Pediatrics	16	1
632	MD, PhD	STARZYK-RAŁOWSKA	DOROTA	1	Chair of Pharmacology	4	
633	MD	STEC	ZOFIA	1	Polish-American Inst. of Pediatrics	8	
634	MD, PhD	STECZKO	ANDRZEJ	1	Chair of Otolaryngology	7	1
635	DR HAB.N.P	STELMASZYŃSKA-ZGLICZYŃSKA	TERESA	1	Institute of Medical Biochemistry	45	
636	MD, PhD	STOBIECKI	MARCIN	1	Chair of Toxicology	9	1
637	MA, PhD	STOLARSKA	DOROTA	1	Chair of Psychotherapy	14	

638	MD, PhD HAB	STOMPÓR	TOMASZ	1	Chair of Nephrology	12	1
639	MSc, PhD	STOPA	BARBARA	1	Institute of Medical Biochemistry	12	1
640	MD	STRACH	MAGDALENA	1	Chair of Internal Med. & Gerontology	3	1
641	MD, PhD HAB	STRĘK	PAWEŁ	1	Chair of Otolaryngology	19	1
642	MD, PhD	STRZAŁKA	MARCIN	1	II Chair of General Surgery	2	1
643	MD	SULIŚLAWSKI	JANUSZ	0,25	Polish-American Inst. of Pediatrics	1	
644	PROF. MD, PhD	SUŁOWICZ	WŁADYSŁAW	1	Chair of Nephrology	24	1
645	MD, PhD HAB	SURDACKI	ANDRZEJ	1	Institute of Cardiology	16	
646	MD	SUFOWIEC	JAROSŁAW	1	Chair of Microbiology	1	
647	MD	SZAFIRSKA	MAŁGORZATA	1	Chair of Radiology	7	
648	MD, PhD	SZAFLARSKA	ANNA	1	Polish-American Inst. of Pediatrics	2	1
649	MD, PhD	SZCZEKLIK	WOJCIECH	1	II Chair of Internal Med.	1	1
650	MD, PhD Hab	SZCZEKLIK	JERZY	1	Chair of Toxicology	39	
651	PROF. MD, PhD	SZCZEKLIK	ANDRZEJ	1	II Chair of Internal Med.	33	
652	MD, PhD	SZCZEPANEK	MAŁGORZATA	1	Chair of Infectious Dis. & Hepatology	1	1
653	MD, PhD	SZCZEPANIK	ANTONI	1	I Chair of General Surgery	8	
654	MD, PhD	SZCZEPAŃSKI	WOJCIECH	1	Chair of Pathomorphology	27	1
655	PROF. MD, PhD	SZCZUDLIK	ANDRZEJ	1	Inst. of Neurology	12	1
656	MD, PhD	SZCZUDRAWA	ANDRZEJ	1	Chair of Gynecology & Obstetrics	28	
657	MD, PhD	SZLACHCIC	ALEKSANDRA	1	Chair of Physiology	13	

658	MSc, PhD	SZLACHCIC	ANDRZEJ	1	Chair of Physiology	33	1
659	MD	SZNAJD	JAN	1	II Chair of Internal Med.	2	1
660	MSc, PhD	SZOSTEK	SŁAWA	1	Chair of Microbiology	19	
661	MD, PhD	SZOT	WOJCIECH	1	Depart. of Hygiene & Ecology	4	1
662	MD, PhD	SZPANOWSKA- WOHN	AGNIESZKA	1	Depart. of Hygiene & Ecology	6	
663	PROF. MD, PhD	SZTEFKO	KRYSTYNA	1	Polish-American Inst. of Pediatrics	25	1
664	MD, PhD	SZTUJ	STANISŁAW	1	Chair of Radiology	13	
665	MD, PhD	SZULEWSKI	PAWEŁ	1	Chair of Infectious Dis. & Hepatology	7	
666	MD	SZUMILAS	ZBIGNIEW	1	Polish-American Inst. of Pediatrics	30	
667	MD, PhD	SZURA	MIROSLAW	1	I Chair of General Surgery	8	
668	MD, PhD	SZURKOWSKA	MAGDALENA	1	Chair of Endocrinology	20	
669	MD	SZWAJCA	KRZYSZTOF	1	Chair of Psychiatry	4	
670	MD, PhD	SZYBIŃSKI	PIOTR	1	I Chair of General Surgery	4	
671	PROF. MD, PhD	SZYBIŃSKI	ZBIGNIEW	0.50	Chair of Endocrinology	52	1
672	MD, PhD	ŚLEDZIOWSKI	PAWEŁ	1	Chair of Hematology	8	1
673	MD, PhD	ŚLIWA	TOMASZ	1	Chair of Internal & Rural Med.	10	
674	MD, PhD	ŚLIWIŃSKA	ANNA	1	Chair of Gynecology & Obstetrics	23	
675	MD, PhD	ŚLIWOWSKI	ZBIGNIEW	1	Chair of Physiology	10	
676	MD, PhD	SNIEZEK- MACIEJEWSKA	MARIA	1	Institute of Cardiology	32	1
677	MD	ŚRODEK	ROBERT	1	Chair of Anatomy	21	

678	PROF. MD, PhD	ŚRÓDKA ŚWIERCZYŃSKA- KRĘPA	ANDRZEJ	0,75	Chair of History of Medicine	4	
679	MD, PhD		MONIKA	1	II Chair of Internal Med.	4	1
680	MD, PhD	ŚWIERSZCZ	JOLANTA	0,25	Chair of Histology	3	1
681	MD, PhD	TABOR	JACEK	1	I Chair of General Surgery	5	1
682	DR N.FIZ.	TABOR	ZBISŁAW	1	Chair of Physiology	1	
683	DR N.FIZ.	TATOŃ	GRZEGORZ	1	Chair of Physiology	7	1
684	MD	TELESIŃSKA- JASIOŃKA	DOROTA	1	Chair of Internal Med.&Gerontology	1	
685	MD, PhD	TEŚCIOROWSKI	MACIEJ	1	Chair of Orthopedic	1	
686	MD, PhD	TEJNOWSKI	JACEK	1	Chair of Infectious Dis. & Hepatology	21	
687	PROF. MD, PhD	THOR	PIOTR	1	Chair of Pathophysiology	24	1
688	PROF. MD, PhD	TOBIASZ-ADAMCZYK	BEATA	1	Chair of Epidemiology & Preventive Med.	35	1
689	MD, PhD	TOMASIK	TOMASZ	1	Chair of Internal Med.&Gerontology	7	
690	MD, PhD	TOMASIK	PRZEMYSŁAW	1	Polish-American Inst. of Pediatrics	13	1
691	MD	TOMASIK	TOMASZ	1	Polish-American Inst. of Pediatrics	11	1
692	MD, PhD	TOMASZCZYK	BARBARA	1	Chair of Gynecology & Obstetrics	33	
693	MD, PhD HAB	TOMASZEWSKA	ROMANA	1	Chair of Pathomorphology	27	1
694	MD, PhD	TOMASZEWSKA	BEATA	1	Chair of Gynecology & Obstetrics	2	
695	MD, PhD	TOMIK	BARBARA	1	Inst. of Neurology	18	1
696	MD, PhD	TOMIK	JERZY	1	Chair of Otolaryngology	14	1
697	PROF. MD, PhD	TRACZ	WIESŁAWA	1	Institute of Cardiology	25	

698	MD, PhD	TRĄBKA-JANIK	ELŻBIETA	1	Inst. of Neurology	8	1
699	MSc	TREGER	BARTOSZ	0,38	Chair of Psychiatry	1	
700	PROF. MD, PhD	TRELA	FRANCISZEK	0,50	Chair of Forensic Medicine	42	
701	MD, PhD	TROFIMIUK	MAŁGORZATA	0,50	Chair of Endocrinology	2	1
702	MD, PhD	TRYBUS	JERZY	1	Chair of Anesthes. & Intensive Care	19	1
703	MD, PhD	TRYBUS	MAREK	1	II Chair of General Surgery	17	
704	MD, PhD	TRZNADEL-MORAWSKA	IWONA	1	Chair of Metabolic Diseases	9	
705	MD	TRZOS	ARKADIUSZ	1	Chair of Anesthes. & Intensive Care	9	1
706	MD, PhD	TULEJA	EWA	0,75	II Chair of Internal Med.	2	
707	MD, PhD	TURAJ	WOJCIECH	1	Inst. of Neurology	3	1
708	MD, PhD	TYRAK	JERZY	1	Chair of Anesthes. & Intensive Care	14	
709	MD, PhD	UHL	HENRYKA	1	Inst. of Neurology	32	
710	MD, PhD HAB	UNDAS	ANETTA	0,25	II Chair of Internal Med.	8	
711	MD, PhD HAB	URACZ	WOJCIECH	1	Chair of Pharmacology	22	
712	MD, PhD HAB	URBANIK	ANDRZEJ	1	Chair of Radiology	12	1
713	PROF. MD, PhD	URBANOWICZ	WIESLAW	1	Polish-American Inst. of Pediatrics	20	
714	MD, PhD	URBANCZYK	KATARZYNA	1	Chair of Pathomorphology	18	
715	MD, PhD	WALAS	IMARIA	1	Chair of Metabolic Diseases	30	
716	MD, PhD	WALASEK	TOMASZ	0,50	Chair of Anatomy	11	
717	MD, PhD	WALOCHA	JERZY	1	Chair of Anatomy	13	1

718	MD, PhD	WAŁĘGA	PIOTR	1	III Chair of General Surgery	4	
719	MD, PhD	WARUNEK	WIOLETA	1	Chair of Infectious Dis. & Hepatology	18	1
720	MD, PhD	WARZECHA	ZYGMUNT	1	Chair of Physiology	21	
721	MD, PhD	WASIECZKO	ANDRZEJ	1	Chair of Psychiatry	17	
722	MD, PhD	WACHOL	DARIUSZ	1	I Chair of General Surgery	7	
723	MD, PhD	WAŚ	KAZIMIERZ	1	Chair of Gynecology & Obstetrics	27	
724	MD, PhD	WAŚOWICZ WEREWIKA-	MARCIN	1	Chair of Anesthes. & Intensive Care	4	1
725	MD	MACZUGA	AGNIESZKA	1	Chair of Radiology	4	
726	MD	WERYŃSKI	PIOTR	1	Polish-American Inst. of Pediatrics	4	1
727	MD, PhD	WĘDRYCHOWICZ	ANDRZEJ	1	Polish-American Inst. of Pediatrics	1	1
728	MD, PhD	WĘDRYCHOWICZ	ANNA	1	Polish-American Inst. of Pediatrics	4	1
729	MD	WĘGRZYN	JOANNA	1	Chair of Hematology	3	1
730	MD	WIATR	MACIEJ	1	Chair of Otolaryngology	1	1
731	MD, PhD	WICHEREK	ŁUKASZ	1	Chair of Gynecology & Obstetrics	5	
732	MD, PhD	WIDELSKA	KINGA	1	Chair of Psychiatry	9	
733	MD	WIELOWIEYSKA- SZYBIŃSKA	DOROTA	1	Chair of Dermatology	7	1
734	MD, PhD	WIERZBICKI	KAROL	1	Institute of Cardiology	3	
735	MD, PhD	WIERZCHOWSKA- SŁOWIACZEK	EWA	1	Polish-American Inst. of Pediatrics	23	1
736	MD, PhD	WIERZCHOWSKI	WOJCIECH	1	Chair of Pathomorphology	28	
737	MD, PhD	WINDAK	ADAM	1	Chair of Internal Med. & Gerontology	13	1

738	MD, PhD	WINIARSKI	MAREK	1	II Chair of General Surgery	6	1
739	MD, PhD	WINIARSKI	ALEKSANDER	0,50	Chair of Orthopedic	2 mies	
740	MD	WINNIK	LIDIA	1	Chair of Toxicology	2	1
741	MSc, PhD	WITALIS	JADWIGA	1	Chair of Microbiology	2	
742	MD, PhD	WITKOWSKA- MAŃKO	RENATA	1	Chair of Anesthes. & Intensive Care	25	
743	MD, PhD	WIZNER	BARBARA	1	Chair of Internal Med.&Gerontology	3	
744	MPharm, PhD hab	WŁODEK	LIDIA	1	Institute of Medical Biochemistry	39	
745	MD, PhD HAB	WOJAS-PELC	ANNA	1	Chair of Dermatology	11	1
746	MD, PhD	WOJCIECHOWSKI	PIOTR	1	Polish-American Inst. of Pediatrics	11	1
747	MD, PhD	WOLSKA-SMOLEŃ	TERESA	1	Chair of Hematology	22	1
748	MD, PhD	WOŁKOW	PAWEŁ	1	Chair of Pharmacology	10	1
749	PROF. MD, PhD	WORDLICZEK	JERZY	1	Chair of Anesthes. & Intensive Care	26	1
750	MPharm, PhD	WOROŃ	JAROSŁAW	0,25	Chair of Pharmacology	1	
751	MD, PhD	WOŹNIAK	KRZYSZTOF	1	Chair of Forensic Medicine	13	1
752	MD	WÓJCIK	MAŁGORZATA	1	Chair of Hematology	8	
753	MSc, PhD hab	WRÓBEL	MARIA	1	Institute of Medical Biochemistry	27	1
754	MSc, PhD	WYBRANŃSKA	IWONA	1	Chair of Clinical Biochemistry	12	1
755	MD, PhD	WYSOCKA	TERESA	1	Chair of Anesthes. & Intensive Care	7	
756	PROF. MD, PhD	WYSOCKI	ANDRZEJ	1	II Chair of General Surgery	38	
757	MD, PhD	ZACHWIEJA	KATARZYNA	1	Polish-American Inst. of Pediatrics	3	1

758	MD, PhD	ZAJAC	ALEKSANDER	1	I Chair of General Surgery	27	
759	MD	ZAJAC	ANNA	1	Polish-American Inst. of Pediatrics	1	1
760	MD, PhD	ZAJAC	KRZYSZTOF	1	Chair of Anesthes. & Intensive Care	25	1
761	MD, PhD	ZAJAC	MAŁGORZATA	1	Chair of Anesthes. & Intensive Care	25	
762	MD, PhD	ZARYCHTA	JACEK	1	II Chair of Internal Med.	12	
763	MD, PhD	ZARZYCKA	MAJA	0,50	Chair of Orthopedic	6 mies	
764	PROF. MD, PhD	ZARZYCKI	DANIEL	1	Chair of Orthopedic	7	
765	MD	ZASADA	JAKUB	1	II Chair of General Surgery	2	1
766	MSc, PhD	ZAWILŃSKA	BARBARA	1	Chair of Microbiology	20	1
767	MD, PhD	ZAWILŃSKI	JAROSŁAW	1	Chair of Anatomy	16	
768	MD	ZDENKOWSKA-PILECKA	MAGDALENA	0,50	Chair of Psychiatry	4	
769	MD, PhD	ZEJC-BAJSAROWICZ	MAŁGORZATA	1	Chair of Infectious Dis. & Hepatology	17	1
770	MD	ZEMAN	JACEK	1	Chair of Dermatology	24	
771	MD, PhD	ZEMANEK	GRZEGORZ	1	Institute of Medical Biochemistry	2	
772	PROF. MD, PhD	ZEMBALA	MAREK	1	Polish-American Inst. of Pediatrics	40	1
773	PROF. MD, PhD	ZIEBA	ANDRZEJ	1	Chair of Psychiatry	27	
774	MD, PhD	ZIETKIEWICZ	MIROSLAW	1	Chair of Anesthes. & Intensive Care	3	1
775	MD, PhD	ZIOLKOWSKA-GRACA	BOŻENA	1	II Chair of Internal Med.	1	
776	MD	ZUB	ANNA	1	II Chair of General Surgery	1	1
777	MD, PhD	ZWOLŃSKA	GRAŻYNA	1	Inst. of Neurology	25	

778	MD, PhD	ZWOLINSKA- WCISŁO	MAŁGORZATA	1	Chair of Infectious Dis. & Hepatology	8	1
779	MD	ZYGULSKA	ANETA	1	Chair of Oncology	7	1
780	MD, PhD	ZYSS	TOMASZ	1	Chair of Psychiatry	14	
781	MD, PhD	ŻABIŃSKA-PŁAZAK	EWA	1	Chair of Dermatology	3	1
782	MD	ŻABIŃSKA-POPIELA	MARTA	1	Chair of Gynecology & Obstetrics	9	
783	MD, PhD HAB	ŻMUDKA	KRZYSZTOF	1	Institute of Cardiology	11	1
784	MD, PhD	ŻUROWSKI	DANIEL	1	Chair of Pathophysiology	4	
785	MD, PhD	ŻYCZKOWSKA	JOLANTA	1	Chair of Internal Med. & Gerontology	6	

total JUCM: 785
total School of
Med.in Eng.: 345



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2. Describe how the faculty is qualified and sufficient in number to achieve the objectives of the institution (A "qualified" faculty member is a person who possesses either a credential generally recognized in the field of instruction or a degree, professional license, or credential at least equivalent to the level of instruction being taught or evaluated).

The faculty members who are listed in Table VII.1 constitute highly qualified and experienced staff entirely capable of accomplishing the JUCM including School of Medicine in English educational and research objectives. Professional credentials and documented academic and clinical experience of the staff as well as their number (785/345 persons) guarantee the achievement of the objectives.

3. Describe and explain the institution's formal ongoing faculty development process. Provide the written description of the process.

The Jagiellonian University is a dynamic institution. The objectives and aims of the development process are defined and formulated every year, when the self-assessment report is prepared. Every organizational unit of JUCM has to create the organizational development plans for the coming year. Achievements are evaluated every year. The development strategy refers to the main objectives formulated by the JUCM authorities. These goals can be divided into major ones which constitute large investments and chief didactic targets and minor ones which are defined by every organizational unit of the JUCM. In 2004 the main objectives were the improvement of the educational quality and the implementation of the Problem Based Learning as well as the finishing of the building investment -- completion of a didactic complex for the JUCM Clinics in Krakow. The goals of JUCM are the goals of the School of Medicine in English.

4. Describe the process by which faculty participate and document their activities in continuing medical education.

The JUCM provides postgraduate training and specialization in the affiliated hospitals. The residents training is managed and supervised by the specialists according to the rules defined by the Ministry of Health. The specialty medical training can be provided only in the wards accredited by the Ministry of Health. The JUCM affiliated hospitals wards possess such accreditation and are permitted to provide specialty medical training in all basic and high specialties. The residents are admitted to the JUCM affiliated hospitals directed by the Health Ministry (organizational unit for the medical specialty is localized in every province city) after completing the required examinations. The examination (the tests are standardized in Poland) for entering the specialty training is prepared by the specialists originating from the best university hospitals in Poland, including the Jagiellonian University. The final examination after completing the specialty training is also uniform for each specialty and consists of three examinations: the examination of practical skills, test and oral examination. The uniform test is organized by the Ministry of Health. The oral and practical examinations are organized in the organizational unit in which the training was performed in our case in the Jagiellonian University Collegium Medicum affiliated hospitals. The uniform test is prepared by specialists from the universities, including the Jagiellonian University.



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The JUCM provides also the doctoral studies in order to complete the doctoral thesis exam. The Board for the Academic Titles and Degrees is responsible for the doctoral thesis studies, other affairs and organization of the examinations. The JUCM documents every educational activity and stores the files in the Jagiellonian University Archives. The rules concerning the retention period of these activities are the same as for the students records and are described in the item XII Records.

5. Describe the faculty's formal role in the institution's decision-making process and where it is documented.

The role of the Jagiellonian University Collegium Medicum in decision making process, the manner it is organized as well as the responsibilities are defined and documented in the Jagiellonian University Mission Statement. This process is presented graphically in Figure VI.1.

6. Describe the role of faculty in the admissions process.

Admission Commission is comprised of at least three members of the Council of JUCM School of Medicine in English, and includes 9 fellows from Faculty Council, Deputy Rector for Collegium Medicum and Dean for Faculty of Medicine. The Admission Commission meets after application deadline by the middle of June to select the best prospective students. The members of Faculty Council directly participate in the admission process.

7. Is there any anticipated decrease in the number of faculty in the near future (for example, through a significant number of retirements)? If so, when, why, and to what extent?

No decrease in the number of faculty in the near future is expected.

8. Is the formal evaluation process of faculty part of the course and clerkship review process? If so, describe.

The process of formal faculty evaluation is performed once a year and concerns every field of faculty activity including all the institutions and their didactic, research, medical care results and the planning for the future development. In the process of didactics evaluation, the review of clerkship is also performed.

9. Describe how the clinical faculty participate in the medical school's educational program. The process of educational program forming process is graphically demonstrated in Figure V.1. An Educational Commission of the Jagiellonian University Faculty of Medicine is responsible for the preparing of educational program, for which the basic criteria are determined by the High Educational Law (enacted by Polish Government Ministry of National Education). The Educational Commission consists of the representatives from all the Jagiellonian University Faculty of Medicine Courses, from basic and clinical sciences and is formed by these representatives. The program is approved by Faculty Council. So, the Faculty participates in the forming, implementing and reviewing the educational program.

10. Describe how clinical faculty are involved in curriculum development.

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The Curriculum is prepared by the School of Medicine in English Council, and is approved by the Jagiellonian University Faculty of Medicine Educational Commission. So the Faculty is involved in preparing the curriculum, since the School Council comprises 9 fellows from Faculty Council, Deputy Rector for Collegium Medicum and Dean for Faculty of Medicine. The process of curriculum planning is presented graphically in Figure V.2.

11. List any other responsibilities the faculty have aside from teaching.

The responsibilities of the Collegium Medicum arise from the objectives and aims of the Jagiellonian University formulated in the Mission Statement. Aside from teaching the Collegium Medicum carries out academic research and provides medical care in affiliated hospitals. The Mission Statement concerning the main aims of the Jagiellonian University is enclosed as an Attachment 1, see the Section 1 –General Provisions.

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**VIII. Admissions and Promotion Standards:**

1. Describe the institution's standards governing admission requirements, student selection, and promotion, and how they are consistent with the institutions mission and objectives. Evaluate how the institution adheres to these standards.

The process of admission for the students to the Jagiellonian University Collegium Medicum School of Medicine in English is determined by the School Regulations, which are enclosed as Attachment 5. Graduates of premedical programs can be admitted to the 4-year English-language program, secondary-school graduates can be admitted to the 6-year program. Students are selected according to their achievements and education, the JUCM School of Medicine in English admits on average 60 students a year, having on average 3 candidates for one place. In academic year 2005/2006 JUCM School of Medicine in English has 335 foreign students (230 students in 6-year program and 105 in 4-year program). The Jagiellonian University's aim is to educate and instruct. Students are admitted after selection according to the above mentioned criteria, specified in details in the School Regulations. These standards are consistent with the Jagiellonian University Mission Statement. The School strictly adheres to these standards.

2. Who makes the initial and then the ultimate decision regarding admission?

The Head of the JUCM School of Medicine in English Council makes the initial decision concerning the consideration of a candidate by the Admission Commission. The Admission Commission is composed of at least three members of the School Council and makes the ultimate decision regarding the main criteria, i.e. candidates' achievements and received education (the admission criteria are described in details in the School Regulations which are enclosed as Attachment 5).

3. For students experiencing academic or other difficulties, describe how a decision is made whether to permit a student to remediate or to repeat course.

The decision concerning the permission to remediate or to repeat the courses is made by the Head of the JUCM School of Medicine in English and appeals to the Faculty of Medicine Deputy Dean and Deputy Rector. The process of solving of academic or other difficulties is presented graphically in Fig. VIII.1 below.

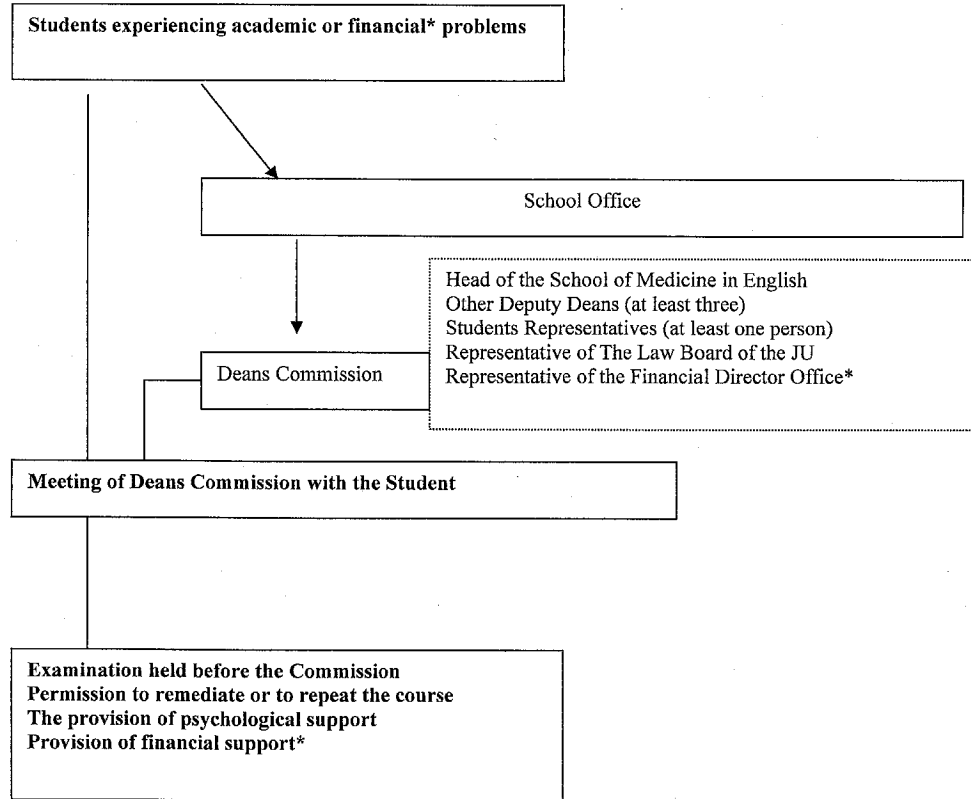


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Figure VIII.1. Students experiencing problems




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4. Describe all the requirements for admission, including any courses or topics that are recommended but not required.

Formal requirements in the admission process are presented below.

The process of admission for the students of the Jagiellonian University Faculty of Medicine for the School of Medicine in English 4-year program

ADMISSION CRITERIA

Required:

1. undergraduate degree at college/university
2. one full year in each of pre-requisite courses:

General Chemistry

Organic Chemistry

Biology

Physics

Humanities

Mathematics (or 1 sem. of Calculus)

3. MCAT

In compliance with Canadian standards undergraduate degree is not required for admission. However, in such a case, an overall grade point average of 70% or higher for pre-requisite courses is required to be considered without completion of undergraduate program. It mostly concerns graduates of Health Science programs, holders of DEC diploma. MCAT requirement may be waived for non-US citizens.

Complete applications are considered by Deputy Dean of Faculty of Medicine who makes a decision on admission or rejection by reviewing submitted documents.

6-year program

Candidates for admission to the 6-year program should be under 27 years of age and of any citizenship other than Polish, however a candidate may be ethnically Polish. The candidate should have high school diploma(s) or matriculation equivalent necessary for admission to medical school in the candidate's home country. Recommended courses for the candidates are: Biology, Chemistry, Mathematics and Physics.

Candidates from Scandinavia, have to contact our representative in Norway

ELLEN M. BERGENE

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NORWAY

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email: ellen.bergene@fu.no

Entrance examination in Biology and Chemistry is organized in Oslo for the candidates from Scandinavia. Candidates who submitted applications with our representative in Norway receive preparatory materials for the written test in Biology and Chemistry. Candidates with highest examination scores are offered admission.

5. Describe the admissions process, including the organization and operation of the admissions committee.



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The Admission Commission composed of at least three members of the School Council holds a meeting after the application deadline by the middle of June to select best prospective students. Decisions are made by reviewing documents submitted together with application forms. Only candidates with highest grades in recommended courses, i.e. Biology, Chemistry, Mathematics and Physics are selected. Biology and Chemistry are absolute requirements. Few applications can be put on the waiting list. Conditional acceptance is offered to those candidates who have not presented their High School diplomas by application deadline. They are expected to present final High School transcripts or copies of diplomas prior to the commencement of the program in September.

6. Describe the academic advisory system, including any programs designed to assist potentially high-risk students in the entering class or students who experience academic difficulty throughout the curriculum.

Students experiencing problems may turn to the Head of the School of Medicine in English or to the course coordinator, who appoints a teacher for individual additional teaching hours to improve the results. Students may receive psychological support (Prof Bogdan de Barbaro, Prof Jacek Bomba). Additionally, the procedure of providing aid to students experiencing problems or potentially high-risk students, is presented in Fig. VIII.1.

7. Describe the system for counseling students on career choice and residency application.

The School Office provides all kinds of information and counseling on career choice and residency application. The School website enables current students to contact with other graduates. The Academic Career Office aims at preparing students for the undertaking of professional work, helps them to obtain the up to date information concerning the employment in medicine, provides professional counseling, organizes courses of instruction, for instance, teaching how to prepare CV in the correct format and how to get ready for interviews, trains in self-presentation ability. It also enables access to current medical papers with employment offers and prepares a computer data base, contacting employers with potential employees. The Academic Career Office cooperates with the Students' Self-Governing Body, Students' Scientific Society, Krakow's branch of the International Federation of Medical Students Associations IFMSA.

8. Describe any background screening process that the institution performs on students (e.g. any factors that might result in a potential student being unable to proceed towards licensure).

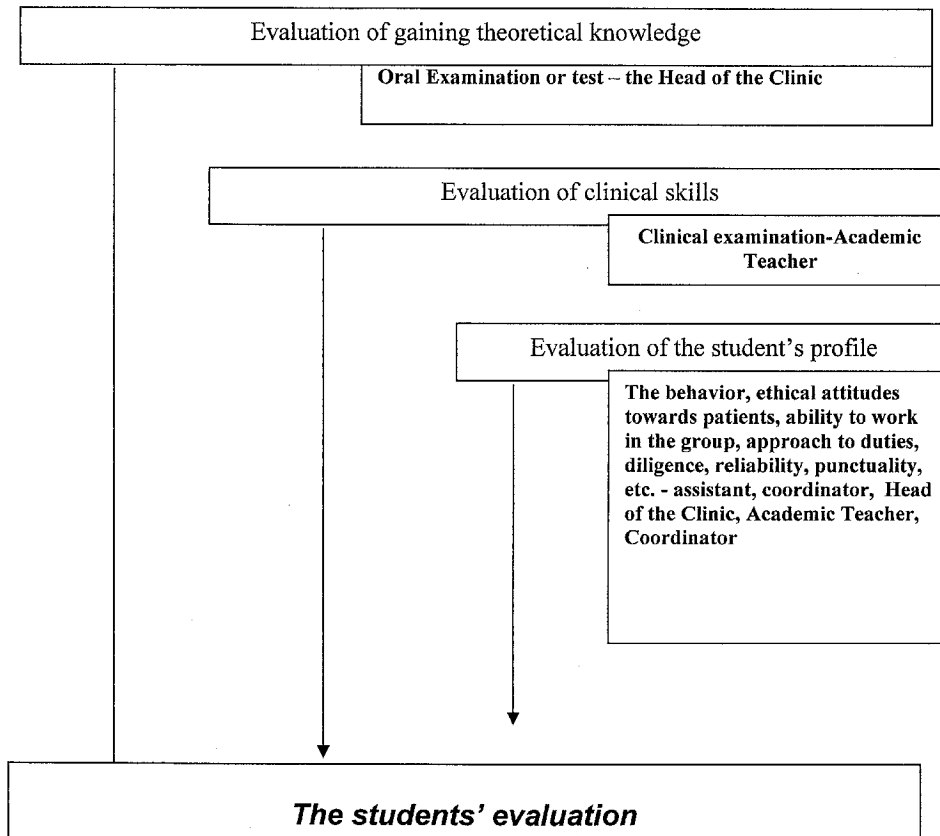
The institution performs a broad screening of students. The evaluation of each student is performed through examinations, graded credits and credits. The attendance is also taken into consideration. Coordinators closely observe each student and present their total evaluation to the School Office in the form of the Student Evaluation Form (see Attachment 6a and 6b). The cooperation between coordinators and School Office permits them to detect potentially high-risk students and provide additional teaching hours or other assistance to them. The process of students' evaluation is presented graphically in Figure VIII. 2.


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Fig. VIII.2. The process of students' evaluation



Students are evaluated in all described fields using a universal Student Evaluation Forms- see Attachments 6a and 6b. The final grade is granted on the basis of the student's evaluation form (at home University), another student's evaluation form (pertaining to Clinical Rotations abroad), summer clerkship statements, letters of recommendation, a personal statement, and an interview with the student. Besides, a comparative grade is given by way of evaluating the student's performance against the whole group (see Attachment 6c).

9. Complete the following evaluation charts and include no further information than that which is required in the charts.



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Table VIII.1. Evaluation Charts

4 year program
 Year One

Grading Formula (percent contribution to final grade)								
Course	# of Exams	Written Exams	Lab/ practical Exams	USMLE Subject Exams	OSCE/ SP Exams	Oral Pres. Or Paper	Faculty/ resident Evals*	Other**
Human Anatomy	8	50%	50	-	-	-	-	-
Histology I	5	100	*	-	-	-	-	*- if the final practical exam is passed as excellent then final grade increases 0.5 grade
Biochemistry	5	100						
Physiology and Biophysics	5	100						
General Immunology	1	100						
Introduction to Clinical Sciences	3	100						
Cell Biology	1	100						

*Include evaluations by faculty members or residents in clinical experiences and also in small group sessions (for example, a facilitator evaluation in small group or case-based teaching) ** Describe the specifics in the report narrative

Year Two

Grading Formula (percent contribution to final grade)								
Course	# of Exams	Written Exams	Lab/ practical Exams	USMLE Subject Exams	OSCE/ SP Exams	Oral Pres. or Paper	Faculty/ resident Evals*	Other**
Pathophysiology	7	100 %						
Pathomorphology	5	90 %						10% - for 100% attendance to all classes or 10% - for passing short quizzes at
Pharmacology	5-6	100*						* 6th exam is necessary if student wants to improve the final grade or didn't accumulate at least 60% score after five midsemester tests
General Microbiology and Clinical Microbiology	1	90						up to 10 % - for attendance to all classes
Introduction to Internal Medicine and Physical Diagnostics	1	-	100%				Credit from faculty is necessary to take the final exam	
Introduction to Neurology	1	100						

* Include evaluations by faculty members or residents in clinical experiences and also in small group sessions (for example, facilitator evaluation in small group or case-based teaching) ** Describe the specifics in the report narrative



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Years Three and Four

Grading formula (percent contribution to final grade)

Clerkship	Who contributes to clinical evaluation*	Written Exams	USMLE Subject Exams	OSCE/ SP Exams	Oral Pres. or Paper	Faculty/ resident Evals	Other**	Clinical Skills Observed ***
Internal Medicine I	F	100	-	-	-	positive opinion of faculty is necessary to take the final exam	passing oral/practical/ exam/patients histories in each specialty is necessary to take the final exam	Y
Surgery I	F	100	-	-	-	positive opinion of faculty is necessary to take the final exam		Y
Obstetrics and Gynecology I	F	100	-	-	-	positive opinion of faculty is necessary to take the final exam		Y
Pediatrics I	F	100	-	-	-	positive opinion of faculty is necessary to take the final exam		Y
Neurology	F,R, O (4th year students)	-	50	-	-	50		Y
Psychiatry	F	100						Y
Clinical Immunology	F	100						N/A
Internal Medicine II	F	-					passing oral/practical/ exam/patients histories in each specialty is necessary to take the final exam practical exam 50 % and oral exam 50 %	Y
Surgery II	F	100						Y
Obstetrics and Gynecology II	F	100						Y
Pediatrics II	F						practical exam 50 % and oral exam 50 %	Y

* Use the following key to indicate who contributes to the final evaluation of the clerk: F (full-time faculty), V (volunteer or community clinical faculty), R (residents), O (other [describe in report narrative])

** Describe the specifics in the report narrative

*** Are all students observed performing core clinical skills? (Yes or No)



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6-year program
Year One, Two, Three, and Four

Grading Formula (percent contribution to final grade)

Course	# of Exams	Written Exams	Lab/practical Exams	USMLE Subject Exams	OSCE/SP Exams	Oral Pres. Or Paper	Faculty/resident Evals*	Other**
Human Anatomy	14	50%	50					
General Chemistry	1	100						
Organic Chemistry	1	100						
Histology and Cytophysiology	5	80	20					
Medical Biology and Embryology	3	100						
Biochemistry	7	100						
Physiology	5	100						
Biophysics	1	70				written report after each laboratory – 30%		
Introduction to Clinical Science	3	100						
Pathophysiology	8	100						
Introduction to Internal Medicine and Physical Diagnostics	1	-	100%				credit from faculty is necessary to take the final exam	
General Microbiology	1	90						up to 10% - for attendance to all classes
Hygiene and Human Ecology	1	100						
Medical Polish	1	50					25	up to 25% for attendance to all classes
Pathomorphology II	8	100						
Pharmacology II	5-6	100*						* 6th exam is necessary if student wants to improve the final grade or didn't accumulate at least 60% score after five

* Include evaluations by faculty members or residents in clinical experiences and also in small group sessions (for example, a facilitator evaluation in small group or case-based teaching) ** Describe the specifics in the report narrative
facilitator evaluation in small group or case-based teaching) ** Describe the specifics in the report narrative



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Years Four, Five, Six

Grading formula (percent contribution to final grade)

Clerkship	Who contributes to clinical evaluation*	Written Exams	USMLE Subject Exams	OSCE/ SP Exams	Oral Pres. or Paper	Faculty/ Resident Evals	Other**	Clinical Skills Observed***
Dermatology and Venerology	F	50					practical exam - 50%	Y
Psychiatry II	F	100						Y
Infectious Diseases	F	100						Y
Orthopedics	F	100						Y
Radiology	F	100*					Practical with the recognition of radiological pictures/scans	N/A
Neurology and Neurosurgery	F	50					practical exam - 50%	Y
Otorhinolaryngology	F						practical exam is necessary to take the final, oral exam - 100%	Y
Clinical Immunology	F	100						N/A
Surgery	F						oral, theoretical exam - 100 %	Y
Gynecology and Obstetrics	F	100						Y
Forensic Medicine	F				50		oral, theoretical exam - 50 %	N/A
Internal Medicine	F						practical exam 50 % and oral exam 50 %	Y
Pediatrics	F						practical exam 50 % and oral exam 50 %	Y
Family Medicine	F							Y
Ophthalmology	F	50					practical exam - 50%	Y

* Use the following key to indicate who contributes to the final evaluation of the clerk: F (full-time faculty), V (volunteer or community clinical faculty), R (residents), O (other [describe in report narrative])

** Describe the specifics in the report narrative

*** Are all students observed performing core clinical skills? (Yes or No)

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**IX. Financial Resources:**

1. Show evidence that the institution possesses sufficient financial resources to accomplish its mission and objectives.

The Jagiellonian University Collegium Medicum is owned, operated and financed by the Polish Government. The resources are sufficient to accomplish the mission and objectives. These resources are protected by Law. Directive 28.02.2003 II Art. 6 states that universities are guaranteed by the Polish Ministry of Treasure. The directive is enclosed as Attachment 7.

2. Provide the international medical school's financial budget.

Financial budget of the Jagiellonian University Collegium Medicum as well as the School of Medicine in English budget are enclosed as Attachment 8.

3. Describe all monetary allocations allotted to research activity.

Monetary allocations allotted to research activity are presented in Figure III.2. (Item Mission and Objectives point 4).

4. Is the school planning or engaged in any major construction or renovation projects, or other initiatives that require substantial capital investment? If so, how will capital needs be addressed?

Currently the Jagiellonian University Collegium Medicum including the School of Medicine in English is involved in one major construction project – the building of a didactic complex at Sw. Lazarza Street in Krakow. The Jagiellonian University Collegium Medicum is involved also in three other investments. No substantial capital investment is required to finish these initiatives. Plan for Investments for 2005 is enclosed as Attachment 9.

Investment plans are prepared by the School's director and budget officer and, being a part of the University's budget must be approved by the Senate.

5. Describe the recent trends in tuition and fees, and the overall cost of attending this medical school.

The Jagiellonian University Collegium Medicum Faculty Council determines the tuition and fees and then publishes them in the School Regulations. A non-refundable US \$ 500 admission fee is to be paid on approval of the candidate by the School as specified in the Certificate (Acceptance Letter).


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The 4-year program

Tuition in US dollars	
1 st year	\$ 11 500
2 nd year	\$ 9 500
3 rd year	\$ 9 500
4 th year	\$ 9 500

The 6-year program

Tuition in US dollars	
1 st year	\$ 11 000
2 nd year	\$ 10 500
3 rd year	\$ 10 500
4 th year	\$ 10 500
5 th year	\$ 10 500
6 th year	\$ 10 500

The payment should be made by the beginning of the academic year in US dollars, by bank check or bank transfer to the account. (see School Regulations enclosed as Attachment 5).

6. Is there anything pending that might negatively affect the school's financial resources (e.g. existing litigation, lawsuits, etc.)? If so, explain.

There is nothing pending that might negatively affect the school's financial resources. As it was mentioned in IX.1 the financial resources are guaranteed by the Polish Government (the Ministry of Treasure). (See Attachment 7).

7. Include the institution's Consolidated Audit Report by the Chief Financial Officer. Ensure that the report was prepared within the last year.

The Jagiellonian University Collegium Medicum Consolidated Audit report is enclosed as Attachment 10. The School of Medicine in English has no separate audit report other than that of Collegium Medicum.


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X. Facilities:

1. Describe the institution's facilities, laboratories, equipment and library resources and how they are sufficient to support the educational programs offered by the institution and how they enable the institution to fulfill its mission and objectives.

Facilities are divided according to the course type into three main groups: the pre-clinical sciences, introduction to clinical sciences and the clinical sciences.

Pre-clinical Sciences	Introduction to Clinical Sciences	Clinical Sciences
Anatomy	Laboratory Training of Clinical Skills	Infectious Diseases
Histology and Cell Biology	Introduction to clinical Radiology	Internal Medicine- Gastroenterology
Biochemistry	Behavioral Sciences	Internal Medicine- Metabolic Diseases
Medical Genetics	Introduction to Internal Medicine/ Physical Diagnosis	Internal Medicine- Nephrology
Medical Embriology	Clinical Laboratory Diagnostics	Internal Medicine- Pulmonology
Immunology	Introduction to Psychiatry	Internal Medicine- Cardiology I
Pharmacology	Introduction to Neurology	Internal Medicine- Electrocardiology
Microbiology		Internal Medicine- Angiology and Allergology
Medical Sociology		Internal Medicine- Cardiology II
Physiology and Biophysics		Internal Medicine- Endocrinology
Pathomorphology		Internal Medicine- Hematology
Pathophysiology		Internal Medicine- Rheumatology
Epidemiology and Biostatics		Family Medicine



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		Surgery- General Surgery
		Surgery- Cardiac Surgery
		Surgery- Thoracic Surgery
		Surgery- Traumatology
		Surgery- Urologic Surgery
		Surgery- Vascular Surgery
		Surgery- Gastrointestinal Surgery
		Obstetrics and Gynecology
		Pediatrics
		Neurology
		Emergency Medicine
		Forensic Medicine
		Dermatology and Venerology
		Ophthalmology
		Otolaryngology Head and Neck Surgery
		Anesthesiology and Intensive Care Medicine
		Clinical Radiology
		Clinical Immunology



Kraków April 12, 2007

Medical Board of California

Licensing Program

1426 Howe Ave, Suite 54

Sacramento, CA 95825-3236

U.S.A.

Dear Medical Board of California:

Thank you for your letter dated November 2, 2006 in response to our application for the Medical Board's recognition of the Jagiellonian University's 4 and 6-year English language programs in medicine. We recently completed our collection of the information needed to answer the four questions your Medical Consultant requested to assist him in finalizing his review. The answers are as follows:

1. Off-site clerkships:

- a. The names of the hospitals where the JUCM Council approved students to complete off-site clerkships can be found in **appendix A1 and A2**. This appendix also includes the clerkships the students participated in at these given sites. The most frequently chosen from among the foreign universities are the University of Rochester School of Medicine and Dentistry, Rochester, NY, U.S.A. and the University of Toronto, Ontario, Canada. We have included the written agreements

for the exchange of students between these two institutions and the JUCM in **appendix B**. In the future, additional off-sites at accredited medical schools in the U.S., Canada, Australia, and EU will be reviewed by the JUCM Council using our quality assurance process before granting permission to participate in such programs.

b. Quality assurance at the sites was measured by the following methods:

i. Confirmation of accreditation of the university medical school in a given country/state with the appropriate medical board.

ii. A review by the JUCM Council of the available clerkships at a given off-site and a course description of each including the curriculum. Please refer to **appendix C**. Course length, number of hours, number of students, prerequisites, goals, learning objectives and topics covered, schedule of activities (% of inpatient and outpatient training), didactic activities, required reading, supervision, and student evaluation methods were all taken into account.

iii. If necessary, phone contact with a given institution or an on -site visit.

c. Supervision of the Jagiellonian students is done by clinical professors/MDs at the given off-site university teaching hospital, attending staff, and residents.

2. USMLE scores:

a. The data regarding the success of the students in passing the USMLE

Step 1 & 2 is as follows:

i. 2006 graduating class (4-year English Program)

1. **100%** (12) students took and passed **Step 1**
2. Of the 10 students who took **Step 2 CK**, **100%** passed.
3. Of the 10 students who took **Step 2 CS**, **90%** passed.

ii. Class of 2007 (4-year English Program) current 4th year students

1. Of the 17 students that took the **Step 1**, **82%** (14) passed and **6%** (1) pending. The remaining 2 are scheduled to retake the exam.
2. Of the 7 students that have taken **Step 2 CK**, **100%** have passed.
3. Of the 7 students that have taken Step 2 CS, **100%** have passed.

iii. Class of 2008 (4-year English Program) current 3rd year students

1. Of the 20 students that have taken **Step 1**, **70%** (14) have passed thus far. The 6 remaining students are scheduled to retake the exam.

- iv. Please note that the majority of the students in the **6-year English Program**, which has been accredited in the EU, has been and continues to be from Norway. They pass a different state exam required to practice medicine in Norway, and **100%** of the students have been placed in postgraduate training programs upon completion from this program. In recent years, we have only had 2 students from the U.S./year and 2-4 students from Canada/year. We did not keep track of their USMLE results. Recent data that we gathered from the class of 2003 showed a **100%** pass rate of **Step 1, Step 2 CK, and Step 2 CS.**
- b. Since information regarding USMLE Step 1 & 2 is critical for JUCM self-evaluation of the effectiveness of the English programs in preparing U.S. citizens and others to practice medicine in the U.S., the JUCM Chair and Council have now decided to make disclosing of this data by students of the 4 and 6-year English programs mandatory in addition to requiring these exams be taken at the designated times as part of the requirements for graduation. The appendix of the Rules of JUCM was approved by the JUCM Council and the Student Council. This can be found in **appendix D.** Each student will be required to sign a document that states that he/she must provide the JUCM with results of the USMLE exams effective as of this year.

3. Postgraduate training performance:

- a. The information regarding where English program students obtain postgraduate training following graduation is critical for the JUCM officials to use to evaluate the effectiveness of the curriculum in preparing U.S. citizens and others to begin postgraduate training in the United States. We have collected data recently which is included in **appendix E**. The JUCM Chair and Council have also now decided to make disclosing of this very important data by students mandatory. This addition to the appendix of the Rules of JUCM was approved by the JUCM Council and the Student Council and is effective as of this year. Each student will be required to sign a document that states that he/she must provide the University (Dean's office) with the name of the postgraduate training program they have entered. See **appendix D**.

4. Curriculum:

- a. **Pain Management:** The problems concerning pain management, both acute and chronic, are presented to students primarily during the 3rd of the 4-year program and 5th year of the 6-year program during the Anesthesiology and Intensive Care Medicine course. This includes lectures, seminars, and clinical practice in the inpatient setting and the outpatient pain management ambulatory clinic. In addition, problems concerning the treatment are also addressed from year 3 and 4 (4-year program) and years 4 to 6 (6-year program) during the following rotations: internal medicine, pediatrics, obstetrics and gynecology, physical medicine, palliative care in the terminally ill, and oncology. Surgical pain is also addressed during the clinical clerkships in the

surgical disciplines. Finally, elements of cognitive behavioral therapy and the treatment of chronic pain management are addressed through the course in psychiatry/addiction medicine.

- b. **End of Life:** End of life issues are taught during the internal medicine rotations, which includes particular attention to geriatrics and palliative care. All clinical disciplines of internal medicine deal with the problems of aging including the courses in cardiology, nephrology, gastrointestinal diseases, rheumatology, etc. Topics in aging are also covered in anesthesiology and the various surgical subspecialties. Neurology and psychiatry also play an integral part in end of life education. Many of the clinics from these various specialties provide, their own or in cooperation with the Geriatric Clinic, the opportunity for scientific research on this subject due to the growing aging population and need for improved care. Additional electives in geriatric medicine/palliative care are available.

i. Specific topics covered include:

1. Aging and age-related changes in the organ systems.
Assessment of the elderly patient. Clinical approach to the elderly patient including history taking and physical exam. Assessment scales used in the elderly.
Communication skills in making difficult decisions, giving bad news, etc.
2. Major geriatric problems including pressure ulcers, incontinence, infection, nutrition, pain and symptom management.

3. Other related geriatric problems such as nutrition, falls, and rehabilitation.
4. Cardiovascular disease in the elderly, CHF, HTN, Cerebral Vascular Disease.
5. Delirium, Dementia, and Depression.
6. Social issues in the elderly and decision making.

We hope that the information presented in our response meets with the California Medical Board's requirements for accreditation of our 4 and 6-year English programs. We are committed to providing our students with the highest level of education and clinical experience in order to prepare them for practicing high quality medical care for their patients. We constantly seek ways of improving our program and welcome any comments you may have.

Sincerely,



Prof. Piotr Laidler, PhD

V-Dean, Faculty of Medicine

Jagiellonian University

Collegium Medicum

Approved sites for Rotations

Appendix A1

Approved Medical Schools where UJ CM students completed their elective rotations in the academic years 2004/05 and 2005/2006	# of students	Web page
1. Rochester University School of Medicine and Dentistry, Rochester, NY, USA	16/31	http://www.rochester.edu/medicine.html
2. The University of Toronto, Faculty of Medicine, Toronto, Ontario, Canada	13/31	http://www.facmed.utoronto.ca
3. Case Western Reserve University School of Medicine, Cleveland, OH, USA	*	http://casemed.case.edu
4. McGill University, Faculty of Medicine, Montreal, Quebec, Canada	*	http://www.med.mcgill.ca
5. University of Calgary, Faculty of Medicine, Calgary, Alberta, Canada	*	http://faculty.med.ucalgary.ca
6. Faculté de médecine de l'Université de Montréal, Montreal, Quebec, Canada	*	http://www.med.umontreal.ca
7. University of Texas Southwestern Medical School, Dallas, TX, USA	*	http://www.utsouthwestern.edu/home/education/medicalschoo
8. University of Alabama School of Medicine, Birmingham, Alabama, USA	*	http://main.uab.edu/uasom
9. University of Glasgow, Faculty of Medicine, Glasgow, Scotland, UK	*	http://www.gla.ac.uk/faculties/medicine
10. Wayne State University School of Medicine, Detroit, MI, USA	*	http://www.med.wayne.edu
11. The University of New South Wales, Faculty of Medicine, Sydney, Australia	*	http://www.med.unsw.edu.au
12. The Johns Hopkins University School of Medicine, Baltimore, MA, USA	*	http://www.hopkinsmedicine.org
13. Northwestern University, Feinberg School of Medicine, Chicago, IL, USA	*	http://www.medschool.northwestern.edu
14. Rush University, Rush Medical College, Chicago, IL, USA	*	http://www.rushu.rush.edu/medcol
15. Harvard University, Harvard Medical School, Boston, MA, USA	*	http://hms.harvard.edu/hms/home.asp
16. Tufts University School of Medicine, Boston, MA, USA	*	http://www.tufts.edu/med
17. The University of Birmingham Medical School, Birmingham, UK	*	http://www.medicine.bham.ac.uk
18. The University of Chicago, The Division of the Biological Sciences and The Pritzker School of Medicine, Chicago, IL, USA	*	http://pritzker.bsd.uchicago.edu
19. Tulane University School of Medicine, New Orleans, LA, USA	*	http://www.som.tulane.edu
20. McMaster University, Faculty of Health Science, Hamilton, Ontario, Canada;	*	http://www.fhs.mcmaster.ca
21. University of British Columbia, Faculty of Medicine, Vancouver, Canada	*	http://www.med.ubc.ca
22. University of Saskatchewan, College of Medicine, Saskatoon, Canada	*	http://www.usask.ca/medicine
23. Mount Sinai School of Medicine, New York, NY, USA	*	http://www.mssm.edu/school.html
24. University of Cincinnati, College of Medicine, Cincinnati, OH, USA,	*	http://www.med.uc.edu
25. Dalhousie University, Faculty of Medicine, Halifax, Nova Scotia, Canada	*	http://www.medicine.dal.ca
26. University of South Alabama, College of Medicine, AL, USA,	*	http://southalabama.edu/com
27. Columbia University, College of Physicians and Surgeons, New York, NY, USA	*	http://www.cumc.columbia.edu
28. University of Illinois College of Medicine, Chicago, IL, USA	*	http://www.uic.edu/depts/mcam
29. The University of Alabama at Birmingham, AL, USA	*	http://main.uab.edu/uasom
30. The University of Western Ontario, Faculty of Health Sciences, London, Ontario, Canada	*	http://www.uwo.ca/fhs
31. University at Buffalo School of Medicine and Biomedical Sciences, Buffalo, NY, USA	*	http://www.smbbs.buffalo.edu
32. University of London St. George's Medical School, London, UK (St. George's Hospital, London),	*	http://www.sgul.ac.uk
33. Ross University School of Medicine, West Indies	*	http://www.rossu.edu/med
34. Mercer University School of Medicine, Savannah, GA, USA	*	http://medicine.mercer.edu/Introduction
35. University of Florida, College of Medicine, Jacksonville, FL, USA	*	http://www.med.ufl.edu
36. Rosalind Franklin University of Medicine and Science, Chicago Medical School, IL, USA	*	http://www.rosalindfranklin.edu

* items 3 – 36: 1 – 3 students

Clerkships

Appendix A2

Rochester University School of Medicine and Dentistry, Rochester, New York, USA	Family Medicine Internal Medicine Gastroenterology Hematology/Oncology Infectious Diseases Cardiology Pulmonary Medicine Sleep Medicine Clinical Cardiology Heart Failure Management, HTN, Vascular diseases Pediatrics Neonatology Pediatric Hematology/Oncology Adolescent Medicine Pediatric Pulmonology Emergency Medicine General Surgery Plastic Surgery Neurosurgery Vascular Surgery Cardiac Surgery Cardiothoracic Surgery	The University of Toronto, Faculty of Medicine, Toronto, Ontario, Canada	Family Medicine Internal Medicine Cardiology Geriatrics OB/GYN General Surgery Colorectal Surgery Neurosurgery Thoracic Surgery Orthopedic Surgery Vascular Surgery Cardiac surgery Surgical Oncology Emergency Medicine	Case Western Reserve University School of Medicine, Cleveland, Ohio, USA	Internal Medicine Infectious Diseases Endocrinology Hematology/Oncology Orthopedic Surgery Pediatric Surgery	McGill University, School of Medicine, Montreal, Quebec, Canada	Internal Medicine Cardiology Hematology/Oncology Cardiac surgery	University of Calgary, Faculty of Medicine, Calgary, Alberta, Canada	Family Medicine Internal Medicine Anesthesiology OB/GYN Psychiatry General Surgery Pediatric Surgery Trauma Surgery	Faculte de medecine de l'Universite de Montreal, Montreal, Quebec, Canada	Internal Medicine Allergy OB/GYN	University of Texas Southwestern Medical School, Dallas, Texas, USA	General Surgery Plastic Surgery	University of Alabama School of Medicine, Birmingham, Alabama, USA	Internal Medicine General Surgery	University of Glasgow, Faculty of Medicine, Glasgow, Scotland, UK	OB/GYN General Surgery
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Clerkships

Appendix A2

McMaster University, Faculty of Health Science, Hamilton, Ontario, Canada	Radiology	University of British Columbia, Faculty of Medicine, Vancouver, Canada	OB/GYN	University of Saskatchewan, College of Medicine, Saskatoon, Canada	Family Medicine	Mount Sinai School of Medicine, New York, New York, USA	Internal Medicine Gastroenterology General Surgery Neurosurgery Traumatology Radiology	University of Cincinnati, College of Medicine Cincinnati, Ohio, USA	Internal Medicine Hematology/Oncology Gastroenterology	Dalhousie University, Faculty of Medicine, Halifax, Nova Scotia, Canada	Internal Medicine Cardiology	University of South Alabama, College of Medicine, Mobile, Alabama, USA	Emergency Medicine	Columbia University, College of Physicians and Surgeons, New York, New York, USA	Family Medicine	University of Illinois College of Medicine, Chicago, Illinois, USA	Internal Medicine	The University of Alabama, Birmingham, Alabama, USA	General Surgery	
	Anesthesiology				OB/GYN															
	Internal Medicine				Pediatrics															
	General Surgery																			
	Orthopedic Surgery																			
	Urology																			
	ENT																			
	Ophthalmology																			
	Emergency Medicine																			

Clerkships

Appendix A2

The University of Western Ontario, Faculty of Health Sciences, London, Ontario, Canada	University at Buffalo School of Medicine and Biomedical Sciences, Buffalo, New York, USA	Ross University School of Medicine, Dominica, West Indies	Mercer University School of Medicine, Savannah, Georgia, USA	University of Florida, College of Medicine, Jacksonville, Florida, USA	Rosalind Franklin University of Medicine and Science, Chicago, Illinois, USA
Pediatrics	Family Medicine	General Surgery	Internal Medicine	General Surgery	General Surgery
Neonatology	Internal Medicine			Plastic Surgery	Internal Medicine
	OB/GYN				
	Radiology				
	Anesthesiology				
	General Surgery				
	Plastic Surgery				

Appendix B

**THE AGREEMENT BETWEEN
THE JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE
KRAKOW, POLAND**

AND

**THE UNIVERSITY OF ROCHESTER
SCHOOL OF MEDICINE AND DENTISTRY
ROCHESTER, NEW YORK, USA**

The goal of this agreement is to strengthen the academic relationships, advance medical education, promote scientific research, and enhance collaboration between the students and faculties of the University of Rochester School of Medicine and Dentistry (URSM&D) and the Jagiellonian University Medical College (JUMC).

Specifically, the two schools resolve:

- To continue a medical student exchange program by offering clerkships and advanced clinical electives for medical students in their senior year.
- To encourage exchange programs for residents and senior clinicians, consistent with hospital and governmental medical practice.
- To encourage exchange programs for postdoctoral fellows, for advanced training in the biomedical sciences.
- To encourage exchange programs for faculty, as visiting lecturers and participants in colloquia and seminars, for the purpose of developing clinical and research programs.

The URSM&D and the JUMC will provide institutional support for the exchange students before and during the rotations. The URSM&D's Center for Advocacy, Community Health, Education and Diversity (CACHED) will coordinate the exchange program. The co-director for CACHED will be the URSM&D contact person. The Vice Dean of the Faculty of Medicine for International Cooperation and Education and Head of the Council of the School of Medicine in English will be the JUMC contact person. All students accepted into the exchange program must meet all academic requirements, as detailed by the URSM&D and JUMC.

Term: The Agreement is valid for three years from the date of its signing and concludes on November 15, 2007. During the third year, both institutions will evaluate the agreement, and the Institutions' authorities shall determine whether or not to continue a formal linkage. This agreement is written in English and is signed in two copies. Each copy has equal legal force.

APPENDIX

MEDICAL STUDENT EXCHANGE PROGRAM

The University of Rochester School of Medicine and Dentistry (URSM&D) and the Jagiellonian University Medical College (JUMC) resolve to maintain a medical student exchange program for students in good standing from the two institutions. There will be three components to the medical student exchange program:

- JUMC students studying medicine in the Polish language program
- JUMC students studying medicine in the English language program
- URSM&D students

JUMC Students Studying Medicine in the Polish Language Program

Up to three (3) JUMC students studying medicine in the Polish language program in their final year of medical training, will be selected to participate in 12-week clinical electives at the URSM&D.

Students from the JUMC Polish language program will have their tuition fee waived by URSM&D. The three exchange students from the JUMC Polish language program will receive free housing in URSM&D identified locations, plus \$1,000 for living expenses.

JUMC Students Studying Medicine in the English Language Program

Up to thirteen (13) JUMC students studying medicine in the English language program in their final year of medical training, will be selected to participate in 12-week clinical electives at the URSM&D.

Students from the JUMC English language program will be responsible for a tuition fee of \$100 USD per week, in addition to their lodging, meals and incidentals.

URSM&D Medical Students

Up to six (6) URSM&D medical students in their third or fourth year of training will participate in one-month clinical exchange opportunities at the JUMC School of Medicine in English.

URSM&D exchange students will have their tuition fees waived by the JUMC, and will receive free housing in JUMC identified locations. They will be responsible for their meals and incidentals.

FINANCIAL SUPPORT AND OBLIGATIONS

The University of Rochester School of Medicine and Dentistry

The obligations of the University of Rochester School of Medicine and Dentistry will include but are not limited to:

- Process the required paperwork for all JUMC students to secure an F-1 visa.
- Ensure that students are registered for up to 12 weeks of clinical electives with the URSM&D Registrar.
- Waive the cost of tuition, arrange and pay for student housing, and provide \$1,000 for living expenses for up to three (3) exchange students from the JUMC Polish language program.
- Provide reduced tuition of \$100 USD per week for up to thirteen (13) students from the JUMC studying medicine in the English language program.
- Cover the cost of liability insurance for all JUMC students registered for clinical clerkships, through the URSM&D CACHED and the Registrar's Office.
- Identify housing for the self-paying JUMC English language program exchange students.
- Prepare applications for each URSM&D students applying for exchange with the JUMC English Program, which should include a curriculum vitae, personal statement, official school transcript, and two letters of reference.

The Jagiellonian University Medical College

The obligations of the Jagiellonian University Medical College will include but are not limited to:

- Select JUMC students in their last year of medical school for review by Dr. Ralph Józefowicz, Chair of the URSM&D International Medicine Faculty Advisory committee (IMFAC).
- Prepare applications for each of these students, which should include a curriculum vitae, personal statement, official school transcript, and two letters of reference. Students from the JUMC Polish language program must also demonstrate English language proficiency, based on performance on a standardized test. Dr. Ralph Józefowicz will review all completed applications and will interview all candidates to determine if each student meets the academic and language requirements. He will then present his recommendations to the URSM&D IMFAC, who will select 13 students from the English language program and 3 from the Polish language program.
- Provide clinical educational exchanges for up to six URSM&D medical students in their third or fourth year of training. The JUMC School of Medicine in English must review and approve applications of URSM&D students submitted by Dr. Ralph Józefowicz to the Dean of JUMC English Program.
- Arrange and pay for student housing for the URMS&D students.

EXCHANGE STUDENT OBLIGATIONS

All students accepted into the exchange program must meet all academic requirements, as detailed by the URSM&D and JUMC.

Jagiellonian University Medical Students

The obligations of the selected students from JUMC will include but are not be limited to:

- Arrange and pay for round trip overseas travel expenses between Krakow, Poland and Rochester, New York.
- Obtain repatriation insurance prior to arrival in Rochester, New York.
- Adhere to the same rules, regulations and requirements required by matriculated URSM&D medical students, which include the technical standards policy, religious observances, medical student honor code, HIPAA requirements, verification of background, and university health requirements. These requirements will be provided to JUMC students prior to the beginning of their studies at URSM&D.
- Contact in writing the New York State Department of Education Office for Medical Education.
- Students from the JUMC Polish language program will have their tuition fee waived by URSM&D, will receive free housing, plus a stipend of \$1000 USD for meals and incidentals.
- Students from the JUMC English language program will be responsible for a tuition fee of \$100 USD per week and will pay for their lodging, meals and incidentals.

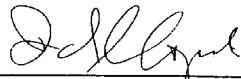
University of Rochester Medical Students

The obligations of the selected students from URSM&D will include but are not limited to:

- Arrange and pay for round trip overseas travel expenses between Rochester, New York and Krakow, Poland.
- Obtain repatriation insurance prior to arrival in Krakow, Poland.
- Adhere to the same rules, regulations and requirements required by matriculated JUMC students, as specified in "Rules for Studying". These requirements will be provided to URSM&D students prior to the beginning of their studies at JUMC.
- Pay for meals and incidentals in Krakow, Poland.

Signed,

For the University of Rochester
School of Medicine and Dentistry



David Guzick, M.D., Ph.D.
Dean of the School of Medicine

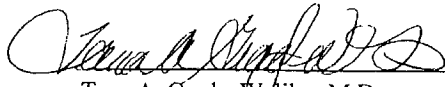
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For the Jagiellonian University
Medical College



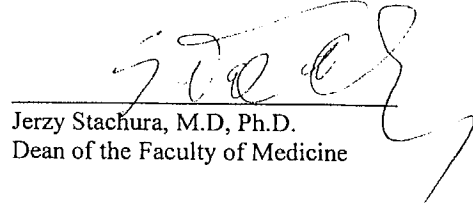
Marek Zembala, M.D, Ph.D.
Vice-Rector for the Medical College

Date: November 15, 2004



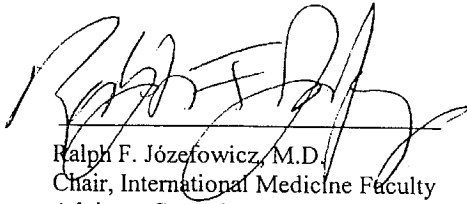
Tana A. Grady-Weliky, M.D.
Senior Associate Dean for Medical
Education

Date: 11/15/04



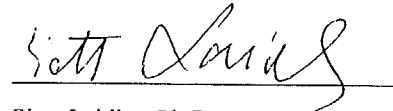
Jerzy Stachura, M.D, Ph.D.
Dean of the Faculty of Medicine

Date: November 15, 2004



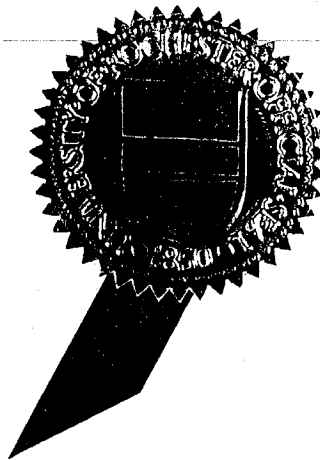
Ralph F. Józefowicz, M.D.
Chair, International Medicine Faculty
Advisory Committee

Date: 11/15/04



Piotr Laidler, Ph.D.
Vice-Dean of the Faculty of Medicine
for International Cooperation and
Education; Head of the Council of the
School of Medicine in English

Date: November 15, 2004



MEMORANDUM OF UNDERSTANDING FOR THE EXCHANGE OF STUDENTS

**BETWEEN
JAGIELLONIAN UNIVERSITY
AND
UNIVERSITY OF TORONTO**

The purpose of this Memorandum of Understanding (MOU) is to establish an affiliation between the Jagiellonian University and University of Toronto for the purpose of a university-wide student exchange.

TERMS OF THE MOU

1. The two parties agree to enter into a university-wide student exchange agreement, commencing in the year 2004.
2. The participating students will register at the host institution for the full academic year or for a minimum of one academic term.
3. The number of participating students will be agreed by both parties by December annually.
4. It is expected that in any given year there will be an equal number of students exchanged from each institution.
5. Notwithstanding Clauses 3 and 4 above, while equal numbers in every year may not be possible, efforts will be made to have equal numbers exchanged over a three-year period.
6. The candidates will be students who are completing an undergraduate or graduate program at their respective institutions.
7. The candidates will be selected by their respective institutions to participate in the exchange, and will then be considered for admission as non-degree special students by the host institutions. Candidates must satisfy admission requirements for special student status, including language proficiency requirements, of the host institution.
8. Participants in the exchange will be required to have completed at least one year of full-time university studies prior to participation in the exchange.
9. Each institution will appoint an individual to act as the coordinator for the exchange.
10. The sending institution will forward the profiles of its candidates to the host institution in April of the application year, and final standing of those students by July of that year.
11. The host institution will notify the successful candidates of their provisional acceptance

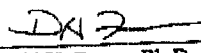
to the institution by May, subject to confirmation of satisfactory examination results in June or July; the host institution will have the right of refusal of any candidate who may appear to be unacceptable for the exchange.

12. The participants in the exchange will pay the tuition and compulsory incidental fees (or any other fees) for the respective program at the home institution prior to departure for the host institution.
13. On arrival at the host institution, the participants of the exchange will not be required to pay tuition and compulsory incidental fees, but may elect to pay non-compulsory incidental fees.
14. Students from the Jagiellonian University will be free to choose courses from the full range of courses available in the division to which they have been admitted at the University of Toronto, provided that they satisfy the individual course prerequisites, and on the understanding that additional selection procedures may be required for courses with limited enrolment.
15. Students from the University of Toronto will be free to choose courses from the full range of courses available in the division to which they have been admitted at Jagiellonian University provided that they satisfy the individual course prerequisites, and other regulations as may be pertinent. University of Toronto students may select courses from the Interdisciplinary Programs in English without paying additional fees; however, they must pay regular fees to enroll in courses offered through the Special Programs in Foreign Languages and Summer Schools.
16. At the end of the academic year/term, the participants in the exchange will request the host institution to send to the home institution a report/official transcript of their academic achievement.
17. Students of Jagiellonian University will be guaranteed credit at their home institution for courses taken at the University of Toronto, provided that their studies have received prior approval by the appropriate authorities at Jagiellonian University, and provided that courses are successfully completed with a minimum grade acceptable to their division at Jagiellonian University.
18. Students of the University of Toronto will be guaranteed credit for their studies at Jagiellonian University, provided that their studies have received prior approval by the appropriate authorities at the University of Toronto, and provided that courses are successfully completed with a minimum grade acceptable to their division at the University of Toronto.
19. Participants in the exchange are not degree candidates and cannot become degree candidates without applying for admission. Participation in the exchange will not attract preferential status.

20. Each participant in the exchange must ensure that they have adequate health and accident insurance coverage. University of Toronto students will be required to purchase accident insurance through Jagiellonian University; the cost of this insurance (in 2004) is 20 PLN. University of Toronto will arrange enrolment in the University Health Insurance Plan (UHIP) at a cost to students of Jagiellonian University; the cost of this insurance in 2004 is \$612.17. UHIP is the only coverage that may be purchased in Canada and it is mandatory for all international exchange students at the University of Toronto.
21. Implementation of this MOU will be in accordance with the University of Toronto's Policy on International Cooperation. This policy states that participants under the Exchange will be selected on the basis of merit without regard to race, national or ethnic origin, colour, religion, age, sex, sexual orientation, marital status or physical handicap. Jagiellonian University and the University of Toronto will each accept the participants selected by the other party if mutually acceptable academic and/or professional qualifications and standards are met. All participants will be treated in the same non-discriminatory manner in carrying out the provisions of the MOU, subject to the provisions of the policies and requirements of each of the institutions. Any violation of these principles will be considered grounds for terminating the MOU.
22. Implementation of this MOU is subject to sufficient funding being procured as appropriate by each institution.
23. The parties will review the terms of the MOU December annually to assess the success of the exchange, and will determine whether to continue, modify or discontinue the MOU. Each party reserves the right to terminate this MOU upon six months written notice to the other.
24. This MOU is made in Polish and in English, and both texts are equally authentic. Each partner shall retain one original copy of the agreement in each language.
25. This MOU shall take effect when signed by both parties, and will remain in effect for a period of five years.

IN WITNESS WHEREOF, the parties hereto have offered their signatures:


University of Toronto



David H. Farrar, Ph.D.
Deputy Provost and
Vice-Provost, Students

Date: Aug 12, 2004

Jagiellonian University



Maria Nowakowska, Ph.D.
Vice Rector for Research and
and International Relations

Date: _____

Appendix C

The curricula are assessed according to the criteria specified below

Course title	
Course length	Number of hours
Number of students	
Prerequisites	
Goal	
Learning objectives: Topics covered	
Schedule of activities: Percentage of out-- and in patient training	
Didactic activities	
Required reading	
Students evaluation methods	

Appendix D

Appendix to School Regulations

Regarding USMLE Step 1 & 2 results/requirements & Postgraduate Training following graduation

(Concerning students of the 4-year M.D. Program in English & the American and Canadian students of the 6-year Program in English)

Students are requested to disclose the scores obtained in taking the USMLE Step 1 and 2 examinations as well as information regarding postgraduate training following graduation. JUCM will not issue copies of transcripts and diplomas to students who do not comply with this request. This data is necessary for the school to assess the effectiveness of its curriculum in preparing students to practice medicine upon graduation and to be in compliance with various international licensing bodies. JUCM, on its part, will guarantee personal data protection as required by pertinent laws and regulations. The data is stored in accordance with the rules of keeping records fixed by the Chancellor of the Jagiellonian University.

USMLE Requirements for American and Canadian Students of the 4-year M.D. Program in English

In order to complete the third year of the 4-year program all students must fulfill the following requirement:

- Take the USMLE Step 1 after completing the second year or during the third year. In order to enter the 4th year, Step 1 score results must be submitted to the Dean's Office.

USMLE Requirements for American and Canadian Students of the 6-year M.D. Program in English

In order to complete the 5th of the 6-year program, all students must fulfill the following requirements:

- Take the USMLE Step 1 after completing the 4th year or during the 5th year. In order to enter the 6th year, Step 1 score results must be submitted to the Dean's Office.

Appendix E

POSTGRADUATE TRAINING PLACEMENT

6-year English program graduates

- Cyrus Loghmanee, MD (Class of 2003): State University of New York, Buffalo, NY – **General Surgery**
- Ephraim Atwal, MD (Class of 2003): Louisiana State University (LSU), LA – **Ophthalmology**
- Irena Zmitrovic MD (Class of 2003): Providence Hospital, Michigan – **Family Medicine**

4-year English program graduates

- Izabela Musial, MD (Class of 1998): Swedish Covenant Hosp., Chicago, IL – **Family Medicine**
- Arthur Przebinda, MD (Class of 1998): Ohio State University Medical Center, Columbus, OH – **Neurology**
- Bartłomiej Leyko, MD (Class of 1999): Michigan State University, Grand Rapids, Michigan - **Internal Medicine**; State University of New York at Stony Brook Nassau, University Medical Center, East Meadow, NY – **Fellowship (Allergy & Immunology)**
- Seema Khosla, MD (Class of 1999): University of Kentucky, KY; Internal Medicine Practice, Grand Folks, ND - **Internal Medicine**
- Karinka Romanowska, MD (Class of 1999): Medical University of South Carolina, Charleston, SC - **Internal Medicine**
- Agnieszka Menclewicz, MD (Class of 2000): Swedish Covenant Hospital, Chicago, IL - **Family Medicine**
- Gregory Chrostowski, MD (Class of 2000): Swedish Covenant Hospital, Chicago - **Family Medicine**
- Munish Khosla, MD (Class of 2000): St Raphael Hospital, New Haven, CT - **Internal Medicine**
- Anna Weissmann (Class of 2000): St Raphael Hospital, New Haven, CT - **Internal Medicine**
- Bruno de Bortoli, MD (Class of 2000): St Raphael Hospital, New Haven,



Jagiellonian University
Medical College, Faculty of Medicine
Dean's Office



Kraków, September 22, 2005

Ms. Patricia Park
Foreign Schools Liaison
Licensing Program
Medical Board Of California
1426 Howe Avenue, Suite 54
Sacramento, CA 95825-3236

Dear Ms Park,

We have now completed the self-assessment process required by the Medical Board of California. We have done our best to offer exhaustive yet concise answers to the questions asked in the Medical School Questionnaire and hope to have provided the Board with sufficient materials to conduct the review process. Thank you for answering our preliminary queries!

Our response presents two programs, a four-year program for graduates of pre-medical schools and a six-year program designed for high school graduates. Both are taught in the School of Medicine in English, which is a structural unit within the Faculty of Medicine of the Jagiellonian University Collegium Medicum in Kraków, Poland. It is on behalf of the authorities of the Collegium Medicum and the University that the present response has been prepared.

The Jagiellonian University, established in 1364 by King Casmir the Great of Poland, is regarded as one of the cradles of the academic tradition in central Europe and has always been an international education center that attracted young, talented people from various parts of the continent. Despite many changes that have occurred over the centuries, international students have always been attracted by the quality of education we offer. Historically, to accommodate such students, courses have been offered in Latin and German. We see our Medical School in English as a contemporary follow-up to this tradition.

Should you have any questions concerning our programs, please, do not hesitate to contact us for any further information, our phone and fax number is (+48 12) 422 80 42.

Thank you in advance for your consideration.

Sincerely Yours,

Prof. Piotr Laidler, Ph.D.
Associate Dean
Faculty of Medicine
Collegium Medicum
Jagiellonian University

Jagiellonian University Collegium Medicum

School of Medicine in English

Self Assessment Report 2004/2005

Prepared for the Medical Board of California

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MEDICAL BOARD OF CALIFORNIA
LICENSING PROGRAM
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Sacramento, CA 95825-3236
(916) 263-2382 FAX (916) 263-2487
www.caldocinfo.ca.gov



**Medical Board of California
International Medical School
Self Assessment Report**

I. Introduction:

The purpose of this international medical school self assessment report is to advise international medical schools, either in the recognition process or an update phase, of the areas of medical school function, structure, and performance that will be evaluated in the recognition process. Included are detailed and objective analysis questions that are required for institutional recognition by the Medical Board of California.

If an international medical school meets the requirements set forth in Title 16 California Code of Regulations section 1314.1 (a)(1), then that institution is exempt from this process. Those requirements of Title 16 California Code of Regulations section 1314.1 (a)(1) are as follows: The medical school is owned and operated by the government of the country in which it is located, the country is a member of the Organization for Economic Cooperation and Development, and the medical school's primary purpose is to educate its own citizens to practice medicine in that country.

All other international medical schools seeking recognition from the Medical Board of California that do not fulfill the requirements of Title 16 California Code of Regulations section 1314.1 (a)(1), will be evaluated based upon this self assessment report and a site inspection by the Medical Board of California. An international medical school seeking recognition from the Medical Board of California must pay all site visit fees in order to receive recognition.

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**II. Instructions:**

All responses and information provided in this self assessment report must be accurate and applicable to the international medical school in question. No additional information may be included by the medical institution aside from that which is required by this self assessment report. An international medical school seeking recognition by the Medical Board of California should complete this self assessment report within 18 months after receiving it. The report shall not exceed _____ pages. **If this self assessment report returned to the Medical Board of California is incomplete or inaccurate at the time it is submitted, it will be returned to the international medical school without any further review by the Medical Board of California.** All fees and payments must be received by the Medical Board of California prior to review of this self assessment report.

Each section of this self assessment report shall be completed by the persons most knowledgeable about the corresponding topics. Care shall be taken to ensure the accuracy and consistency of data across sections of the self assessment report (for example, by using a consistent base year for data). The person overseeing the self assessment process shall ensure that the completed self assessment report undergoes a comprehensive review to identify any missing items or inconsistencies in reported information. The school will also need to assemble additional materials for examination by the self assessment groups and later by the site visit team. For example, the school's medical students are asked to conduct an independent evaluation of the international medical school.

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An institutional self assessment task force and its committees shall be responsible for conducting the self assessment report. The project as a whole shall be guided by a self assessment coordinator who has extensive knowledge of the school and its programs, and who has been granted the authority to assure the timely completion of data collection efforts. Each committee will review information from the self assessment and other sources related to its specific charge and generate a report. The time period covered by the data shall be clearly indicated, and shall be consistent throughout the self assessment report. The task force will synthesize the individual committee reports into a final self assessment report that includes a statement of institutional strengths and issues that require attention either to assure compliance with recognition standards or to improve institutional quality.

The self assessment task force should be broadly representative of the constituents of the international medical school, and include some combination of the following: administrators of the international medical school, department chairs and heads of sections, junior and senior faculty members, medical students, representatives of clinical affiliates, and trustees of the international medical school. The self assessment task force might be chaired by the dean or by a senior associate dean, department chair, or senior faculty member. The self assessment coordinator shall provide any needed staff assistance to the task force to facilitate the timely completion of their work.

I have read and understand to the instructions for this self assessment report.

Name **Prof. Piotr Laidler, PhD**

Title **Deputy Dean, Faculty of Medicine UJCM**

Signature

FORCE TASK

Chairman: Prof. Piotr Laidler, mblaidle@cyf-kr.edu.pl

Coordinator: Dr Magdalena Dutsch-Wicherek, mowicher@cyf-kr.edu.pl
Magdalena Stepniak, MA, mstepniak@cm-uj.krakow.pl

Committee:

Financial Affairs

Stanislaw Starzyk, MSc
Rafal Majewski, MSc

Administration and Employment Affairs

Ewa Pedracka-Kwaskowska, MA
Krystyna Bajda

Education and Student's Affairs

Prof. Beata Tobiasz-Adamczyk, PhD
Bogusława Adamczyk, MA
Edyta Stanczykiewicz, MSc
Joanna Florczyk, MA

Preclinical Affairs

Prof. Janusz Marcinkiewicz, MD, PhD
Prof. Wiesław Jędrychowski, MD, PhD
Prof. Wiesław Pawlik, MD, PhD
Maria Kopczyńska-Kowalczyk, MD, PhD
Prof. Ryszard Korbut, MD, PhD
Prof. Piotr Laidler, PhD
Prof. Jan Litwin, MD, PhD
Prof. Eugeniusz Rokita, MD, PhD
Prof. Wojciech Nowak, MD, PhD
Prof. Jerzy Stachura, MD, PhD
Karol Rzehak MD, PhD
Prof. Piotr Thor, MD, PhD
Prof. Irena Roterman-Konieczna, MD, PhD
Prof. Jerzy Vetulani, MD, PhD
Prof. Jadwiga Mirecka, MD, PhD
Prof. Piotr Heczko, MD, PhD
Prof. Beata Tobiasz-Adamczyk, PhD

Clinical and Patient Care Affairs

Prof. Jacek Składzien, MD, PhD
Krzysztof Fyderek, MD, PhD

Prof. Janusz Andres, MD, PhD
Bogdan de Barbaro, MD, PhD
Prof. Aldona Dembińska-Kieć, MD, PhD
Andrzej Budzyński, MD, PhD
Prof. Roman Herman, MD, PhD
Wojciech Jurczak, MD, PhD
Prof. Józef Krzysiek, MD, PhD
Prof. Jan Kulig, MD, PhD
Sławomir Olszowski, PhD
Prof. Janusz Pach, MD, PhD
Prof. Jacek Pietrzyk, MD, PhD
Prof. Aleksander Skotnicki, MD, PhD
Agata Bałdys-Waligórska, MD, PhD
Prof. Andrzej Urbanik, MD, PhD
Prof. Marek Zembala, MD, PhD
Monika Bociąga-Jasik, MD, PhD
Prof. Ralph Jozefowicz, MD, PhD
Prof. Andrzej Szczudlik, MD, PhD
Adam Windak, MD, PhD
Jerzy Kunz, MD, PhD
Grażyna Antoszczyk-Panek, MD, PhD
Prof. Maria Starzycka, MD, PhD
Prof. Jacek Składzień, MD, PhD
Emilia Kolarzyk, MD, PhD
Piotr Głuszko, MD, PhD
Prof. Tadeusz Niedźwiedzki, MD, PhD
Prof. Janusz Pawłęga, MD, PhD
Janusz Pokorski, MD, PhD
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III. Mission and Objectives:

1. Describe the institution's written purpose or mission statement and objectives that include: the institution's broad expectations concerning the education students will receive; the role of research as an integral component of its mission, including the importance, nature, objectives, processes and evaluation of research in medical education and practice; and teaching, patient care, and service to the community.

a) The institution's broad expectations concerning the education students will receive The Jagiellonian University Collegium Medicum School of Medicine in English (JU CM School of Medicine in English) whose program is the object of the present self-assessment is an integral part of the Jagiellonian University Collegium Medicum). The JUCM School of Medicine In English was established in 1994 and it uses JUCM professional staff, facilities and its organizational structure. Our students originate from Norway (162), Canada (73), USA (67) Sweden (7), Belgium, Ireland, Australia, Great Britain, Serbia and Montenegro, Germany, France and other. The JUCM School of Medicine in English is situated in the JUCM building St. Anna 12 in Krakow old city (Poland, 31-008 Krakow, Sw. Anny 12 Str.) tel: + 48 12 422 80 42; fax +48 12 421 28 69.

Because of the JU CM School of Medicine in English affiliation with the University neither the Polish-language not the English-language program has a written statement of purpose other than the general University Mission Statement.

The Jagiellonian University Collegium Medicum including School of Medicine in English (see Fig. IV.1.) is owned and operated by the Polish Government, which is the member of the Organization for Economic Cooperation and Development (OECD) since 1996. The JUCM (including School of Medicine in English) is accredited by the National Accreditation Committee and is recognized by US Department of Education (school code 012223).

The Jagiellonian University purpose is defined in the Jagiellonian University Mission Statement. We enclose the Jagiellonian University Mission Statement as Attachment 1. According to this document the main goals are specified in section I (General Provisions) § 1 and are as follows:

1. The Jagiellonian University was established in order to carry out academic research, to educate and to instruct students. Through its activity and personal example of members of its community, the Jagiellonian University prepares people to solve the tasks of contemporary life, participates in the development of science, healthcare, art and other spheres of life, educates and instructs students, as well as the academic staff, according to the principles of humanism and tolerance, in consideration for truth and conscientious work, the respect for human rights and human dignity, patriotism, democracy, honor and responsibility for the Society and Nation.
2. The Jagiellonian University performs its tasks in co-operation with the national and foreign educational centers, academic, cultural, educational and economic institutions, as well as with healthcare centers.

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3. The Jagiellonian University Collegium Medicum educates medical students in basic and clinical sciences to be able to practice medical profession. Students gain the basic knowledge and clinical skills to provide competent medical care for the patients.
4. Medical education (in basic and clinical sciences) includes also social education of medical students aimed at forming professional attitudes towards patients and developing communication skills with patients.
5. The development of ethical professional attitudes including the establishing of proper personal relationship with the patient and his/her family is also an integral part of the didactic process.
6. The students also develop the holistic attitude towards the patient to be able to analyze the patient as a whole, including not only the physical health aspects but also the psychosocial environment of the sick person.
7. Medical students are also expected to gain the knowledge of diseases prevention and of how the interventional medicine influences the patients' quality of life.
8. Goals of medical education are as follows:
 - to acquire the knowledge of achievements in basic sciences concerning physiology, pathology, biochemistry, immunology and genetics which develop the understanding of basic pathological processes;
 - to acquire the basic theoretical knowledge concerning the internal medicine, pediatrics, surgery, psychiatry, gynecology and obstetrics;
 - to acquire the ability to combine the theoretical and practical knowledge and gain clinical skills necessary to provide the competent medical care;
 - future doctors are also taught to understand that a part of their professional obligation is to follow all current information in medical field and pursue self-improvement.
- b) The role of research as an integral component of its mission including the importance, nature, objectives, processes and evaluation of research in medical education and practice
9. The main objective of the Jagiellonian University is to carry out academic research in affiliated hospitals. The research programs are carried out by the Collegium Medicum researches. The research is an integral part of the Jagiellonian University mission and enables providing up-to date education for medical students and up-to date medical care. The Jagiellonian University is responsible for the procedure of conducting research and the evaluation of its results. Processes and evaluation of research programs are supervised by the Collegium Medicum Office for Scientific Research using human tissues and other human specimens require the approval of the Ethical Commission of the Jagiellonian University.
10. The nature of research programs carried out at the Jagiellonian University Collegium Medicum which includes the School of Medicine in English is complex. Each department of the Collegium Medicum carries out research related to the departmental specialty and specificity. Carrying out research programs in co-operation with other academic health centers at home and abroad makes it possible to exchange information, improve qualifications of the staff, update information conveyed to students and utilize it in healthcare. Students learn to conduct research work and utilize their results in practice.



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c) Teaching, patient care, and service to the community

11. Beside teaching students and carrying out research the Jagiellonian University Collegium Medicum provides the postgraduate training and specialization programs in affiliated hospitals. The residents' training is managed and supervised by specialists according to the rules defined by the Polish Ministry of Health
12. The Jagiellonian University affiliated hospitals provide basic medical services for the local community (for approximately 725 000 inhabitants of the Krakow City) and highly specialized medical services for the Malopolska Region- 3.500.000 inhabitants. Medical staff employed at the Jagiellonian University affiliated hospitals are responsible for medical services but also supervise the work of other regional hospitals. The Jagiellonian University Collegium Medicum affiliated hospitals play the superior role with regard to regional hospitals (in the Malopolska Region).

2. Describe how the institutional objectives are consistent with preparing graduates to provide competent medical care.

The objectives formulated in the Jagiellonian University Mission Statement are to carry out academic research, educate and instruct.

Education and instruction of students

The education of students is provided by highly professional academic staff on high educational level. A group of experts of the Jagiellonian University Educational Board prepares an educational program and curriculum. A comprehensive educational program and curriculum are prepared by the Jagiellonian University Collegium Medicum Educational Board composed of experienced academic researchers, specialists in didactics and doctors who cover every field of interest. Beside teaching students in affiliated hospitals residents are instructed in all medical disciplines.

Research

The conducting of research and cooperation with other outstanding educational national and foreign centers also ensures high research and educational level. The ongoing process of updating of information to be conveyed to students as well as conducting research enables the introduction of new medical procedures improving the quality and efficiency of medical care.

Students participate in the development of science, healthcare and other spheres of life. Thus, they gain fundamental education and they develop to become doctors capable of providing competent medical care in accordance with all the principles of humanism and tolerance, with respect for human rights and dignity, using the best knowledge they were taught.

The Jagiellonian University Mission Statement is enclosed as Attachment 1.



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3. Describe how students learn how medical research is conducted.

Carrying out research programs is the main goal of the Jagiellonian University, as it is stated in § 2 of the Jagiellonian University Statute section 1 enclosed as Attachment 1:

“The Jagiellonian University acts according to the principle of the freedom of academic research and education”.

Students participate in research projects conducted by researchers at the Jagiellonian University to learn how they are carried out, how the realization of these projects with respect the human rights and dignity proceeds, and finally how the results of these projects are applied in the clinical treatment.

Research programs are carried out in all the Jagiellonian University Collegium Medicum Clinics.

Students are able to participate in research programs in different ways.

1. Participation in research projects conducted by researchers who are authors of these projects and who at the same time are responsible for the education of students. Students are able to observe, but also participate in research programs through selecting groups of patients, collecting data, analyzing results, formulating conclusions and implementing the research program results in clinical practice.
2. Students are able to conduct their own research programs within the framework of the Student's Scientific Society (comprising all Student's Scientific Circles), which is the oldest organization of this kind in Poland. In 2004 the Jagiellonian University approved of 20 research projects drawn up by the Student's Scientific Society. Every institution within the Jagiellonian University Faculty of Medicine has its own section for the Student's Scientific Society, which is guided by researchers in institutions belonging to Jagiellonian University. Until now, 57 Student's Scientific Sections have been available for students. Every student can participate free of charge in meetings, seminars, research programs, and create his/her own projects. The Student's Scientific Society has its own website: www.stn.cm-uj.krakow.pl. Students confront their work and papers during the International Student's Conference of Medical Sciences once a year in spring (April 21-23 in 2005). This event has also its history - it used to be organized as a national medical students' festival from 1950-ies to 1994 when it was transformed into an international event. The papers are published in the form of an abstract book in “Przegląd Lekarski” /“Medical Review”/ (the oldest polish paper since 1862), also available in Medline. During the current year 9 students from the JUCM School of Medicine in English presented papers at the International Students' Conference of Medical Sciences, 21-23 April 2005 (from the Chair of Physiology – Edward Pawłowski, John Czarnecki, Michał Pasiorowski presented the topic: Defense system of gastric mucosa., 6 other students presented the following topics: Endovascular repair of an aneurysm, Prehospital



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thrombolysis therapy, Future of interventional vascular medicine).

4. Provide an assessment of how students evaluate & apply medical research results to their patient population.

Students are enrolled in research programs as described above. Various medical research programs are carried out at the Jagiellonian University including epidemiological analyses, the application of medicaments, histopathological analyses of resected tissues, genetic analyses etc.

In 2004 Collegium Medicum which includes the School of Medicine In English students were allocated 20 grants for the research programs carried out by the Student's Scientific Society (www.stn.cm-uj.krakow.pl).

Students are expected to participate in all research programs according to the realization of educational program from basic and clinical sciences implemented in all institutions of the Jagiellonian University. Students participate in all stages of research projects. They are involved in the selection of patients groups and control groups, the method used in the program, the analysis of obtained results and the process of formulating conclusions. They are also able to observe the application of obtained results in clinical practice and this way they learn how to apply academic research in their patient population.

5. Describe how students participate in ongoing faculty research project.

The students are enrolled in all stages of the research programs carried out at the University.

Selection of patients: students observe and participate in the process of selecting patients and dividing them into groups and subgroups, participate in informing patients and collecting their consents. Foreign students are able to communicate with patients in Polish because they attend the Polish language course, and with their teacher's or fellow students' help. Many students of the JUCM School of Medicine in English speak Polish as they have Polish roots. Persons who do not speak Polish undergo an intensive course which enables them to communicate with patients. Groups are composed in such a way as to include at least one person speaking fluent Polish.

Methodology: students have an opportunity to observe the method that is used to realize the project, can learn how to use the method and apply it in the future.

Results: students participate in collecting data, learn how the material should be coded anonymously and afterwards decoded and analyzed using statistical methods. Students are able to learn how statistical methods are applied in real research program and how computer aided analysis is carried out.

Conclusions: students participate and propose conclusions.

Students learn how the obtained results and provided conclusions influence the current



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knowledge and how they can be applied in the clinic. They participate also in preparing manuscripts describing the results of research projects.

In conclusion, the educational program realized in the Collegium Medicum (which includes the Polish-language 6-year program and English-language 4-year and 6-year programs. See: Fig. IV.1.) prepare students to conduct their own research and apply obtained results in their medical practice. They also become aware of problems that appear in the course of research projects realization and are taught how to solve them. They are shown how human rights are respected and demonstrated how the protection of personal data is provided and problems concerning the obtaining of tissue samples from patients solved according to the law.

6. Describe the breadth of the research involvement of basic science and clinical departments

All departments and institutions of the Jagiellonian University Collegium Medicum carry out their own research programs. Research programs can be also realized in cooperation between departments within the Jagiellonian University Collegium Medicum and also between the Jagiellonian University departments and foreign universities. The School of Medicine in English is an integral part of the Jagiellonian University Collegium Medicum so all the data presented refer to the School of Medicine in English.

In 2004 more than 500 research programs were carried out in the Jagiellonian University Collegium Medicum.

Table III. 1. The number of research programs carried out in the Jagiellonian University Collegium Medicum basic and clinical departments.

Table III.1.

Institution	Number of assigned research programs in 2004
General Surgery Chairs (incl. First, Second and Third Chairs)	65
Internal Medicine Chairs (incl. Chair of Internal Medicine and Gerontology, Chair of Internal Medicine, Allergy and Immunology, Chair of Family Medicine, Chair of Country Medicine)	28
Chair of Gynecology and Obstetrics	18
Polish-American Children's Hospital (incl. chairs of general pediatric surgery with cardio surgery clinic, clinical immunology and transplantology, cardiology, endocrinology, nephrology, hematology, neurology, oncology, gastroenterology and other)	33
Chair of Otolaryngology, Head and Neck Surgery	6



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Chair of Metabolic Diseases	5
Chair of Clinical Biochemistry	16
Collegium Medicum Cardiology Institute (incl. Clinics: Coronary Diseases, Electro cardiology, Diseases of Heart and Big Vessels, Interventional Cardiology and Hemodynamic, Angiocardiology)	29
Chair of Epidemiology and Prevention Medicine (incl. Department of Medical Sociology)	10
Medical Biochemistry Institute	23
Chair of Cardiosurgery and Transplantology	3
Chair of Infectious Diseases and Hepatology	8
Chair of Dermatology	4
Chair of Endocrinology	6
Chair of Gastroenterology	8
Chair of Hematology	7
Chair of Nephrology	5
Chair of Ophthalmology	9
Chair of Oncology	2
Chair of Urology	5
Chair of Psychiatry (incl. Adult Psychiatry Clinic, Children and Youth Psychiatry, Psychotherapy)	15
Chair of Rheumatology and Balneology	3
Chair of Anesthesiology and Intensive Care (incl. the Department of Pain Management)	7
Chair of Radiology (incl. interventional radiology)	2
Chair of Clinical Immunology	5
Chair of Histology	4
Chair of Anatomy	10
Chair of Pathomorphology	7
Chair of Pathophysiology	5
Chair of forensic Medicine and Thanatologia	4
Stomatology Institute (incl. Maxillo-Facial Surgery Clinic, Stomatological Prosthetic, Conservational Stomatology, Orthodontics)	39
Chair of Epidemiology and Prevention Medicine	10
Chair of Pharmacology	13
Chair of Physiology	21
Department of Bioinformatics and Telemedicine	14
Department of Hygiene and Ecology	4
Department of Developmental Biology	3



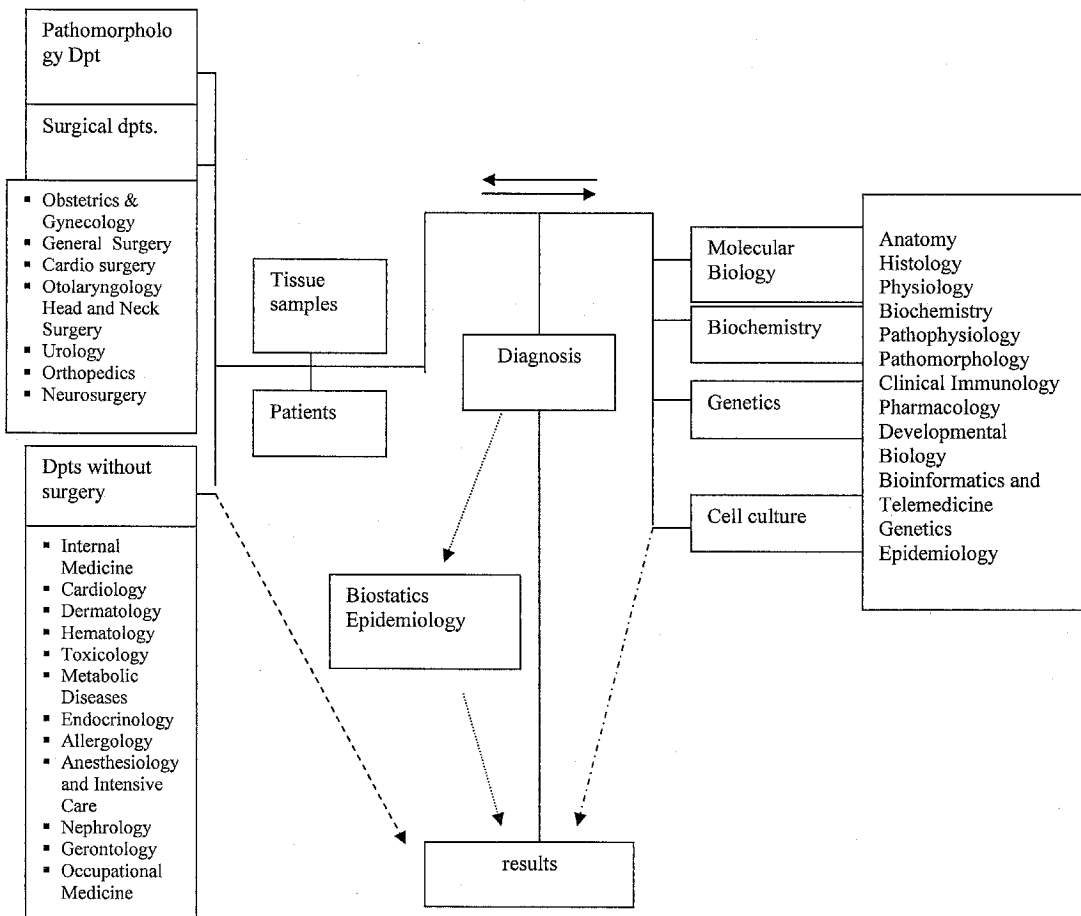
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Department of Ergonomics and Effort Physiology	2
Chair of Microbiology	5
Department of Biophysics	2
Chair of History of Medicine	1

Fig. III.1 The involvement of research in basic and clinical sciences.



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7. Describe the infrastructure supporting research including departmental or individual research incentives.

The Jagiellonian University Collegium Medicum, which is owned and operated by the Polish Government, carries out research projects supported and financed mainly by the Ministry of Science and Informatization. Within this financial support the research projects are granted by competition which is announced twice a year. Some research programs are also conducted by companies in cooperation with the Jagiellonian University Collegium Medicum. These programs are financed totally or partially by companies. Their rules are formulated by mutual agreement.

Other financial resources are granted by the European Union in cooperation with other EU countries. The whole infrastructure supporting research in the Jagiellonian University Collegium Medicum is presented graphically below.

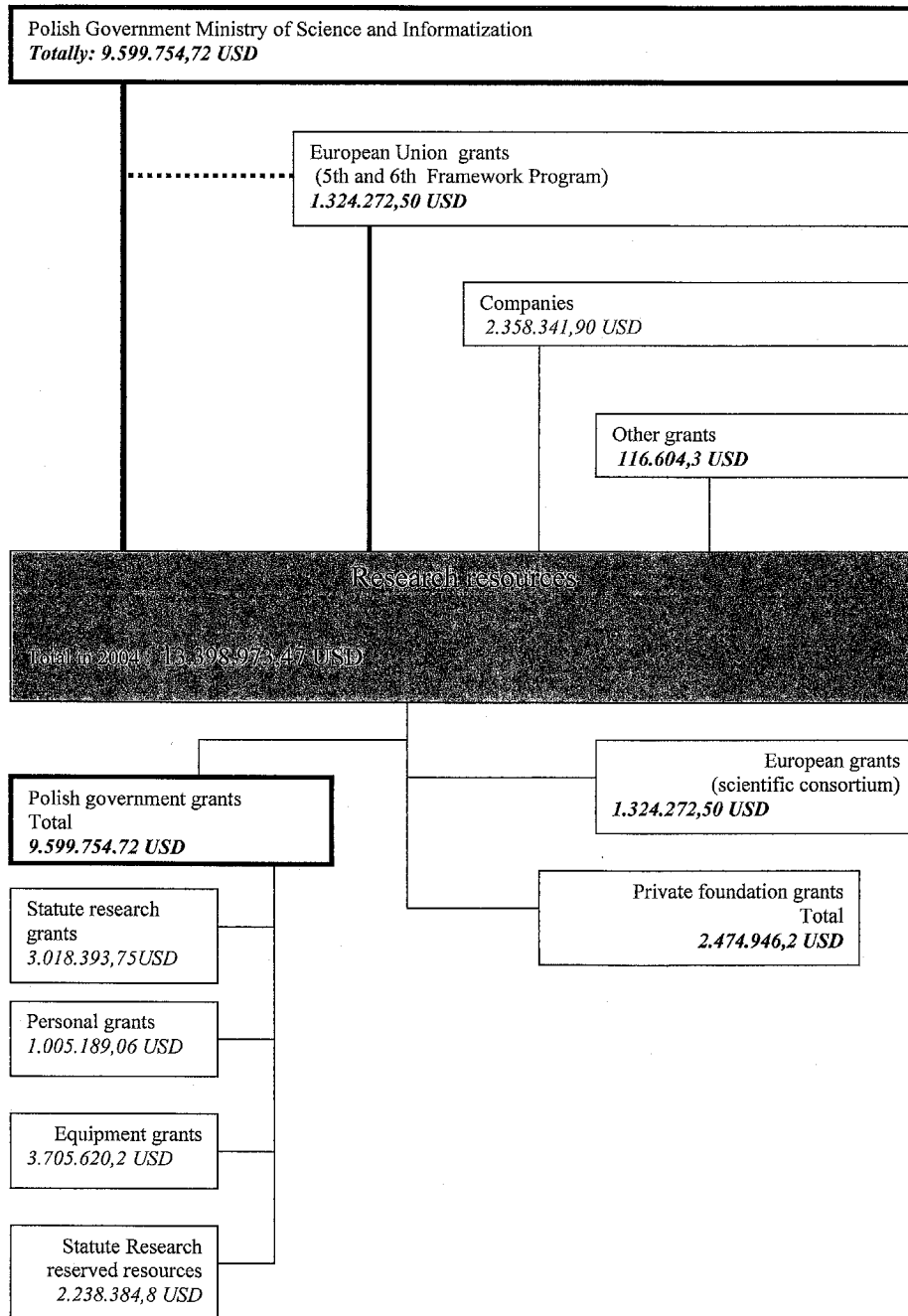


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Fig. III.2 Grants





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8. Describe the written objectives for the courses.

The aim of the Jagiellonian University Collegium Medicum School of Medicine in English is to educate and instruct. In order to attain these objectives the educational program is jointly prepared by all departments providing didactics. These departments lay down the main objectives of the courses.

The detailed description of the objectives of particular courses is presented in the Curriculum Description for 6-year program students and 4-year program students which are enclosed as Attachment 2.

9. Describe how the objectives are used as part of program planning and evaluation.

Objectives of particular courses, laid down by departmental academic staff, constitute the basis for the process of program forming and evaluating. The detailed description of the program planning and evaluation is presented graphically in Fig. V.1, the curriculum planning and evaluation are presented graphically respectively in Fig. V.2, V.3.

10. Describe how students are made aware of these objectives.

Each student receives the Curriculum (see Attachment 2) which provides detailed information of objectives, topics, locations, departments, directors and length of every course.

11. Complete the attached Student Status Information Chart and provide no further information than that which is required in the chart.

See Tables III.2.. and III.3. below.

Table III.2. 4-year educational program student status information.

<i>Academic Year*</i>	<i># of Students Admitted</i>	<i># of Students Dropped Out[^]</i>	<i># of Students Dismissed[^]</i>	<i># of students on leave of absence[^]</i>	<i># of students graduated</i>	<i># of students in U.S. post-grad training</i>	<i># of students in non U.S. post-grad training</i>
2000/2001	26	2	2	2	19	*	*
2001/2002	19	1	3	2	16		
2002/2003	18	-	1	-	21		
2003/2004	23	-	3	2	24		
2004/2005	32	n/a	n/a	-	18	-	-

* the School of Medicine in English is not obligated to collect such data. It has no right to disclose any such information to any third parties according to Polish law.



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Table III.3. 6-year educational program student status information.

<i>Academic Year*</i>	<i># of Students Admitted</i>	<i># of Students Dropped Out[^]</i>	<i># of Students Dismissed[^]</i>	<i># of students on leave of absence[^]</i>	<i># of students graduated</i>	<i># of students in U.S. post-grad training</i>	<i># of students in non U.S. post-grad training</i>
2000/2001	29	2	2	5	16	*	*
2001/2002	35	3	1	5	24		
2002/2003	32	1		2	25		
2003/2004	43			1	22		
2004/2005	39		2	2	28	-	-

* the School of Medicine in English is not obligated to collect such data. It has no right to disclose any such information to any third parties according to Polish law.

12. Attach a list of the names of all students in post graduate training programs in the United States, the locations of their post graduate training programs within the United States and the specialty of the individual post graduate training programs. Limit the information to pertain to the last three years.

The students are not obligated to provide any information concerning their further plans to the School of Medicine in English. The School of Medicine in English is not obligated to collect such data. It has no right to disclose any such information to any third parties according to Polish law. Neither has it the right to require such information from its students.

Consequently, the details which are at the School's disposal are incomplete and have not been cleared for disclosure.



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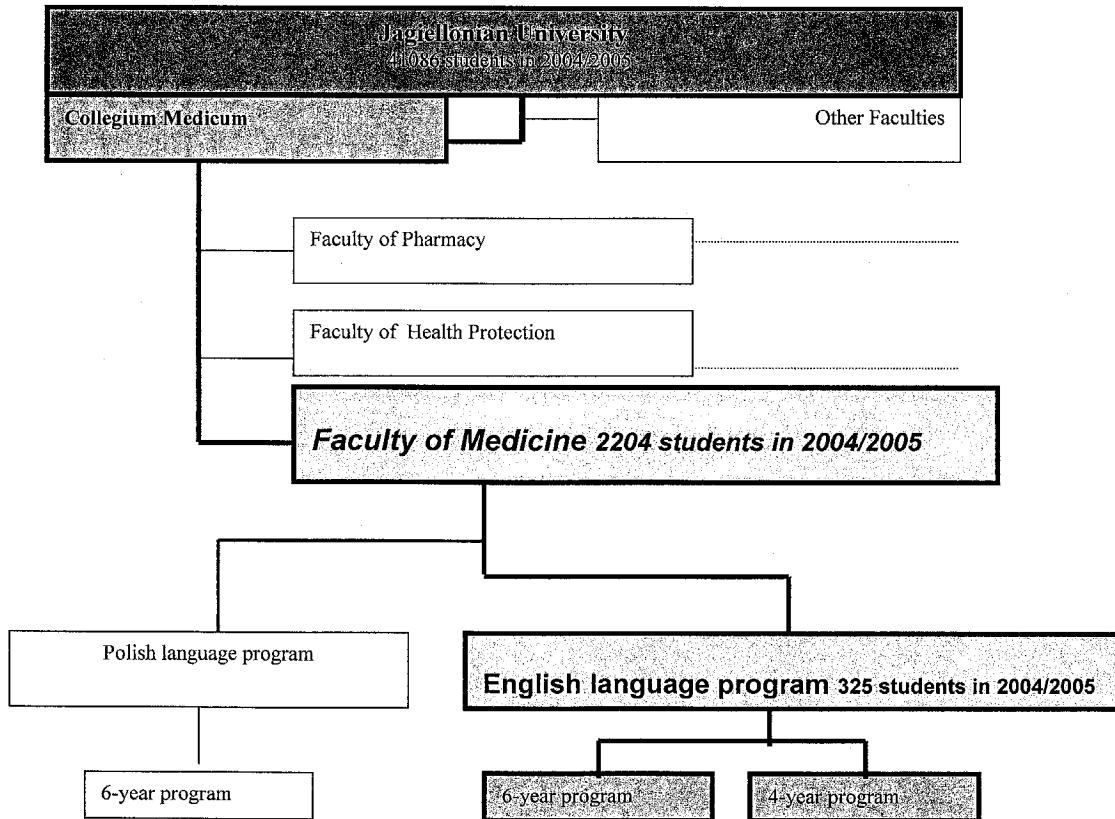


IV. Organization:

1. Describe the manner in which the institution is organized and where it is documented in writing.

The Jagiellonian University Statute determines the manner in which the Jagiellonian University is organized, the Statute is enclosed as Attachment 1. The organization of the Jagiellonian University including the Collegium Medicum and the School of Medicine in English is graphically presented below.

Fig.IV.1. School of Medicine in English within the Jagiellonian University



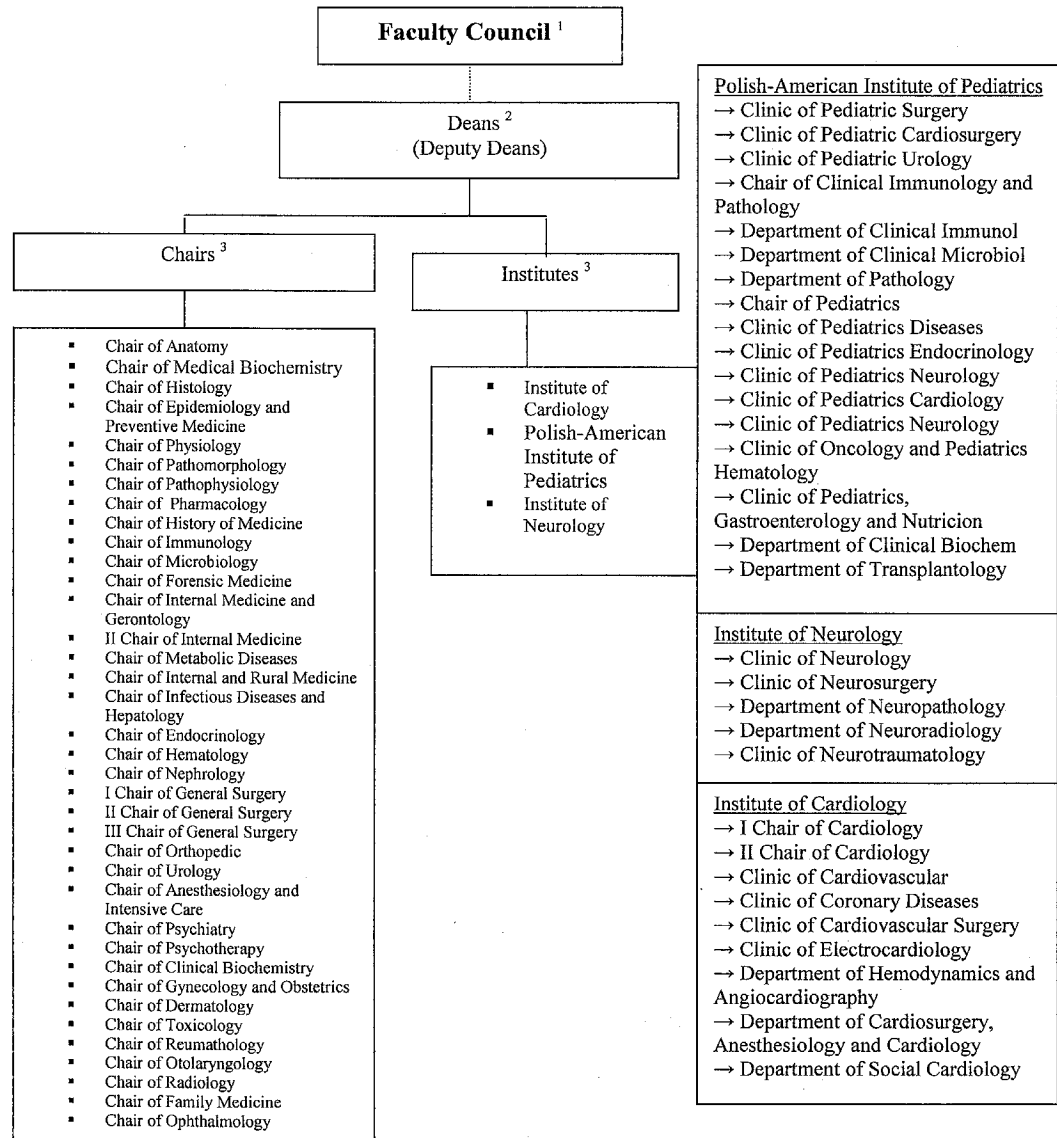


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Fig. IV.2. Structure of the Faculty of Medicine- chairs, clinics, institutes, departments



1. Faculty Council is composed of all professors and all academic teachers with the position of associate professor and representatives of academic teachers without the position of assistant professor (elected from employees working at the university) as well as representatives of students (elected from students self-governing body) who are elected every four years
2. Presented in point IV.2 .
3. Heads elected from among professors and academic teachers with the position of associate professor by Faculty Council every three years.


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2. Provide a list of the names of the board of directors, their qualifications, their financial interests in the medical institution and their curriculum vitae.

The Jagiellonian University is an institution managed and financed by the Polish Government. The principles of its organization are laid down in the Mission Statement. The governing bodies of the University are the Rector and the Senate (composed of the Rector, Deputy Rectors, Deans, Deputy Deans and representatives of all academic staff and students). The Rector, Deputy Rectors, Deans and Deputy Deans are supervisory bodies supported by administrative bodies which are subordinated to the Rector (see Fig. IV.3 below).

The equivalent to the board of directors are Deans and Deputy Deans according to the organizational structure of the Jagiellonian University Collegium Medicum (see Fig. IV.3).

Deans and Deputy Deans receive basic remuneration and additional payment for the posts held from the Jagiellonian University Collegium Medicum.

The board of directors and all required details are presented below in Table IV.1.

Table IV.1

Dean of the Faculty of Medicine

Name	Wojciech Nowak
Position held	professor, I Chair of General Surgery, the Jagiellonian University Collegium Medicum head, Chair of Anatomy, the Jagiellonian University Collegium Medicum
Office address:	40 Kopernika St., 31-501 Krakow
Birth date:	September 21, 1949
Nationality	Polish
Education and Scientific Degrees	1974 - graduated from the Jagiellonian University Collegium Medicum with a Diploma of a Physician 1982 - Doctor's Degree 1997 - Habilitation - Associate Professor 2003 - Professor's Degree
Career-related activities	Deputy Dean of the Faculty of Medicine, the Jagiellonian University Collegium Medicum, 1999-2002, 2002-2005 Dean of the Faculty of Medicine, the Jagiellonian University Collegium Medicum, 2005-2009
Visiting Professor	1986, Chirurgische Universitäts Klinik und Poliklinik Würzburg, Germany; 1993, Istituto di I Clinica Chirurgica Generale, Università La Sapienza, Rome, Italy; 1994, Department of Surgery, Medizinische Klinik mit Poliklinik der Universität Erlangen, Germany; 1995, 1996, Medizinische Hochschule Hannover, Klinik für Abdominal- und Transplantations- Chirurgie, Germany; 1995, 1 st International Course on Organ Transplantation, Rome; 1999, 2001, Breast Cancer Center, Denver USA
Membership	Society of Polish Surgeons; Polish Association of Gastroenterology; Polish


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in Assoc. and Scientific Organizations Section of Endocrine Surgery at the Polish Endocrine Society; Society of Physicians; Polish Ultrasound Society, Polish Anatomical Society; L.Rydygier Association; International Society of Surgery; European Association for Endoscopic Surgery; European Society of Surgery (Board Member)

Participation in the research projects The studies on improving the detectability and on the prognostic factors in preinvasive ductal breast cancer in situ.
 Postoperative gene therapy in colon cancer and primary liver cancer using antisense and triplex anti-IGF-I.
 Disturbances of retinoid metabolism in the liver stellate cells as a factor of liver fibrosis in humans and experimental animals.
 The use of transgenase in the genetic modification of pigs to make organs for transplantation in humans.
 The studies on the improvement of curability of gastric cancer based on the multicenter randomized clinical studies on the new methods of surgical and combined treatment as well as epidemiological investigations.
 The studies on the limits of radicality in the surgery of primary and secondary liver tumors.
 Quantitative Contribution of Technologies to Diagnosis of Jaundice – International European Union Program.
 The use of hyperthermia and cryotherapy in the treatment of liver metastases.
 Author and co-author of 121 publications, 258 contributions, at the Polish and international congresses and 6 monographs

Publications

Deputy Deans
Name: **Tomasz Grodzicki**
Position held: professor, the Jagiellonian University Collegium Medicum head, Chair and Department of Internal Medicine and Gerontology of the Jagiellonian University Collegium Medicum
Office address: Śniadeckich 10, 31- 531 Krakow
Birth date: March 16, 1959
Nationality: Polish
Education and Scientific Degrees: 1984 - graduated from the Jagiellonian University Collegium Medicum with a Diploma of a Physician
 1994 - Doctor's Degree
 1999 - Habilitation - Associate Professor
 2003 – Professor's Degree
Career-related activities Deputy Dean of the Faculty of Medicine, the Jagiellonian University Collegium Medicum, 2005-2009
Visiting Professor 1990/1991 Hypertension Division, A.Ochsner Foundation, New Orleans, USA,
 1996 Dept. of Geriatrics, Hammersmith Hosp., London, UK
 1999 Dept. of Hypertension, Leuven, Belgium
Membership in Assoc. and Scientific Organizations: Polish Society of Hypertension
 Polish Society of Gerontology
 European Society of Hypertension
 International Society of Hypertension
 European Academy for Medicine of Ageing
Participation in the research The major field of his research is focused on geriatrics, heart failure,


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Visiting Researcher, Department of Chemistry and Biochemistry,
 University of South Carolina, Columbia, USA

**Participation in
 the research
 projects:**

My major scientific interest focused for years on protein chemistry and enzyme structure-function relationships, in particular arylsulfatases and phosphatases from human tissues and their structural characteristic (crystallography, glycosylation, glycan structure), involvement and the possible role in some cancers. Recently I have been mostly involved in cell and molecular biology based studies on expression of adhesion molecules and signaling pathways molecules in respect to their role and participation in tumor genesis and cancer progression. I am the author and coauthor of more than 60 papers published or submitted into recognized and reviewed international journals as well as nearly 100 scientific communicates presented on polish and international biochemical congresses and symposia.

Name: **Tomasz Mach**
Position held: professor, Jagiellonian University Medical College
 head, Department of Gastroenterology, Hepatology and Infectious Diseases of the Faculty of Medicine.
Office address: Śniadeckich 5, 31- 531 Krakow
Birth date: October 25, 1950
Nationality: Polish
Education and Scientific Degrees: 1974 - graduated from the Medical Faculty of the Jagiellonian University with a Diploma of a Physician
 1981 - Doctor's Degree
 1994 - Habilitation - Associate Professor
 2004 - Professor's Degree
Career-related activities Deputy Dean of The Faculty of Medicine of Collegium Medicum, Jagiellonian University from 2005
Fellowships 1981 - 82 Postdoctoral research fellowship (12 months), Division of Gastroenterology, Department of Gastroenterology (Chief: Prof. Dr. K.J. Ivey), University of California, Irvine, USA
 1990 Research Fellow (12 months), Division of Gastroenterology (Chief: Prof. Dr. A. Tarnawski), Dept. of Medicine, University of California, Irvine, U.S.A.
Membership in Assoc. and Scientific Organizations: Polish Association of Gastroenterology (member of local board)
 Polish Assoc. of Epidemiologists and Physicians of Infectious Diseases (local president)
 Polish Assoc. of Hepatology
 Polish Assoc. of Internal Medicine
 Polish Assoc. of Physicians
 International Society for Infectious Diseases
Participation in the research projects: pathogenesis of ulcer disease, effect of drugs on the GI tract mucosa, new methods of hepatitis viralis treatment, changes of upper GI tract in HIV-infected patients, pathogenesis of ulcerative colitis, fatty liver in metabolic diseases
Publications: Author of 110 papers, 138 abstracts presented during international and local congresses and meetings.

Name: **Krystyna Stefko**
Position held: Assistant Professor, Jagiellonian University Medical College,


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Department of Clinical Biochemistry, Polish-American Institute of Pediatrics
 Jagiellonian University

Office address: 256 Wielicka St., 31-501 Krakow

Birth date: September 12, 1951

Nationality: Polish

Education and Scientific Degrees: 1974 - Master degree in Chemistry, Jagiellonian University, Department of Mathematics, Physics and Chemistry
 1979 - Doctor's Degree, Faculty of Medicine, Medical Academy
 1982 - Habilitation - Associate Professor

Career-related activities 1984, 1987 - training in University of Rochester, USA
 1989-1990 - a position as a fellow and instructor in the Isaac Gordon Center for Digestive Diseases and Nutrition, University of Rochester School of Medicine
 1991, 1992 - visiting scientist, University of Rochester, USA

Membership in Assoc. and Scientific Organizations: the member of American Association of Clinical Chemistry, International Association of Pediatric Laboratory Medicine and Polish Association of Laboratory Diagnostic.

Participation in the research projects: Since 1990, due to a cooperation with Department of Gastroenterology and Hepatology at the University of Rochester I was engaged in problems connected with pancreatic secretion and secretion of bile. Following the studies initiated by Dr. W.Y. Chey and his group, I worked on purification of secretin releasing peptides from rat intestinal mucosa. The results of these studies were presented in the form of oral presentation at major international meeting: AGA – Digestive Disease Week in 1991 and 9th International Symposium on Gastrointestinal Hormones in Belgium (Abstracts: Gastroenterology 1991, 100:667A, Regulatory Peptides 1992, 40:258).
 I participated also in the studies concerning the secretion of bile in the rat and in the guinea pig. The results have published in the form of abstracts in Gastroenterology, and the paper dealing with the effect of proglumide, CCK receptor antagonist, on the secretion of glutathione in the bile has been published in Dig.Dis.Sci 1994, 39,9,1974-1980.
 1987, Rochester: the effect of intraduodenal administration of sodium oleate on pancreatic secretion and the release of some intestinal hormones.
 The latest work: the regulation of entero-insular axis in children with eating disorder (paper presented on International Symposium on Regulatory Peptides in Michigan, USA, Dig.Dis.Sci.1998), plasma levels of leptin in children after cranial irradiation (International Symposium of Pediatric Laboratory Medicine, Portugal), plasma leptin in children with different nutritional status (Ann.Diag.Paediatr.Pathol. 1997,1,188-189), hormonal changes in children with early onset of epilepsy (Regulatory Peptides 1996,64,185), reference intervals for thyroid hormones in hospitalised children (International Congress in Clinical Chemistry London 1996)
 In the cooperation with other department in Medical School I participated in research connected with plasma leptin level in pre- and postmenopausal women (IFCC Congress Switzerland, 1997), fatty acid composition of free fatty acid fraction of blood serum in patients with acute pancreatitis (Br.J.Surg. 1997,84,s.2,133) and research connected with pathology of recurrent stones in patients with cholelithiasis.
 Currently my research is sponsored by KBN grant connected with regulation


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of entero-insular axid in children with eating disorder and Jagiellonian University grant connected with plasma leptin and GIP level in children with different type of feeding. Also, I participate in KBN grant connected with determination of factors responsible for reccurent stones in patients with chilelithiasis (together with Surgery Department).

Publications: Author and co-author of of 44 papers, mostly in Polish journals, and 56 participations in scientific meeting, half of them were international meeting, and 24 presented papers were published in journals like Gastroenterology, Regulatory Peptides, Dig.Dis.Sci, Br.J.Surg.

Name: **Jan Zapala**
Position held: Jagiellonian University Medical College head, Chair and Clinic of Maxillofacial Surgery of the Faculty of Medicine.
Office address: Os. Złotej Jesieni 1, 31-826 Krakow
Birth date: October 19, 1952
Nationality: Polish
Education and Scientific Degrees: 1976 - graduated from the Division of Dentistry of the Jagiellonian University
 1986 - Doctor's Degree
 1980 - Habilitation - Associate Professor
 1990 - Professor's Degree
Career-related activities Deputy Dean of The Faculty of Medicine of Collegium Medicum, Jagiellonian University 2002-2005, 2005 till now
Fellowships 1994, 2003 training in Mexico, Switzerland, Finland
Membership in Assoc. and Scientific Organizations: Polish Dentistry Association, Polish Association of Maxillofacial Surgery, European Association of Maxillofacial Surgery, Polish Association of Plastic and Reconstruction Surgery
Participation in the research projects: Preparing and implementing own procedures in patients with post traumatic optic nerve neuropathy
 Uniformity of procedures in patients after frontal sinuses traumas
 Implementation of intra-oral surgical approach in condyloid process fractures
 Implementation of triple-wall orbital decompression in Grabes- Baseodv disease
 Distention of surgical approach in correction surgery of genetical malformations (Le Fort II and Le Fort III osteotomy)

Publications: Over 50 publications in the fields of dentistry

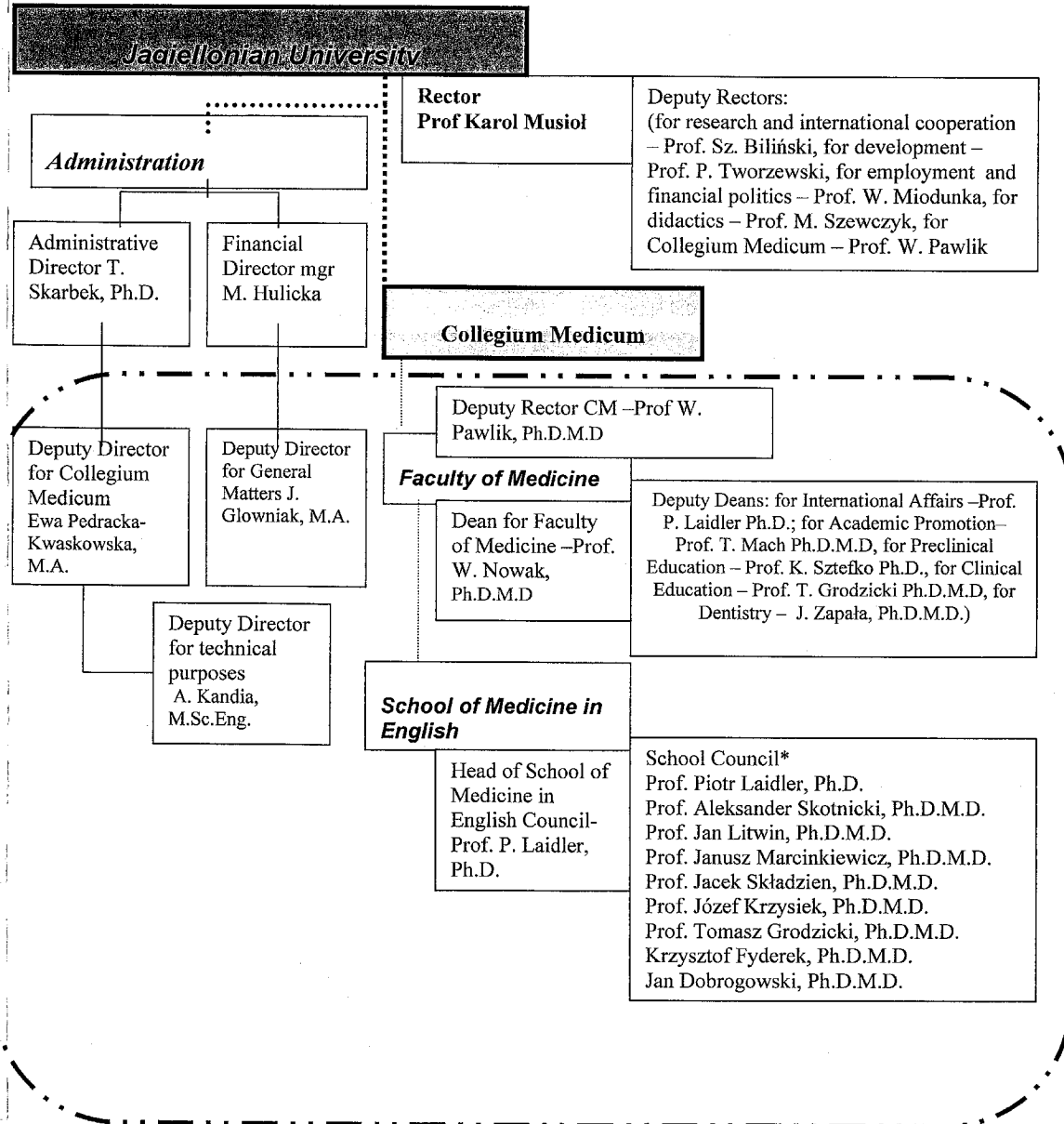
3. Attach a list of the names of all officials other than faculty members and board of directors along with the names of their positions. Provide no further information aside from their names and title of position.


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Fig. IV.3 Governing bodies and administration system of the Jagiellonian University.



*School Council comprises 9 fellows from Faculty Council elected every 3 years after the University authorities election, Deputy Rector for Collegium Medicum and Dean for Faculty of Medicine.

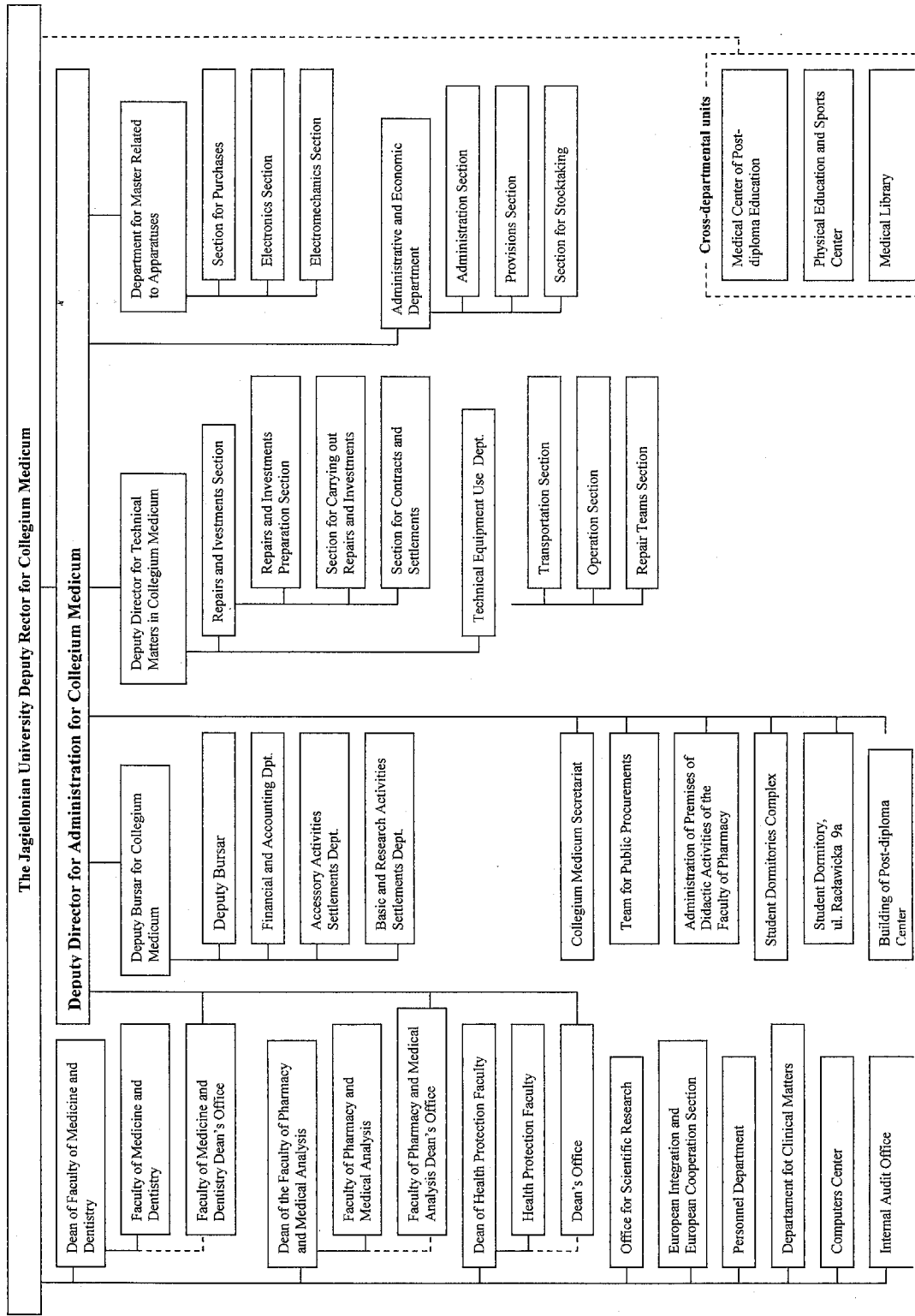


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Fig.IV.4 Administration structure. Attached separately.

Fig. IV.4. Collegium Medicum Organizational Structure



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**V. Curriculum:**

1. Can students receive a certificate of completion without passing either step 1 or step 2 of the USMLE?

Every student graduating from the Jagiellonian University Faculty of Medicine receives a diploma. The diploma provides the student's personal details (surname, given name, date of birth, identification number), and states the precise kind of received education, title (in this case medical doctor), the name of faculty, the substance of studies, educational standards, the system of evaluation, practical experience, and information concerning the system of native educational system.

USMLE is not required for graduating from the Jagiellonian University Faculty of Medicine (see the organizational structure of the Jagiellonian University Fig.IV.1). However, the educational program prepares students for this examination see point XI.2.

The Jagiellonian University including the JUCM School of Medicine in English diplomas are honored by the European Union according to Art.23 of Directive 93/16EEC which provides that medical diplomas are assessed on the basis of the number of educational program hours, at least 5500 hours.

The Jagiellonian University Collegium Medicum School of Medicine in English educational 6-year program comprises 5543 hours, while the 4-year program comprises 4501 hours (according to regulation to Directive 93/16 EEC total education of 4-year program graduates includes premedical and medical education. So, total number of hours comprises the hours of college education and only such students who satisfy the requirements of hours are enrolled to 4-year program) .

The model of diploma is enclosed as Attachment 3.

2. Describe how the structure and content of the educational program provide an adequate foundation in the basic and clinical sciences and enable students to learn the fundamental principles of medicine, to acquire critical judgment skills, and to use those principles and skills to provide competent medical care.

Educational program is created by the Jagiellonian University Educational Commission which follows the standards stated by the Act on Higher Education.

To provide the adequate foundation in the basic and clinical sciences and enable students to learn the fundamental principles of medicine and to acquire critical judgment skills the educational program is created by a group of experts. The structure and content of the educational program is the result of the work of experts who are members of the Jagiellonian University Educational Commission. They are experienced educationists, professors and associated professors, and doctors from every Collegium Medicum department. The mechanism of program planning and evaluation concerns every educational program that is created at the Jagiellonian University, including the 6-year and 4-



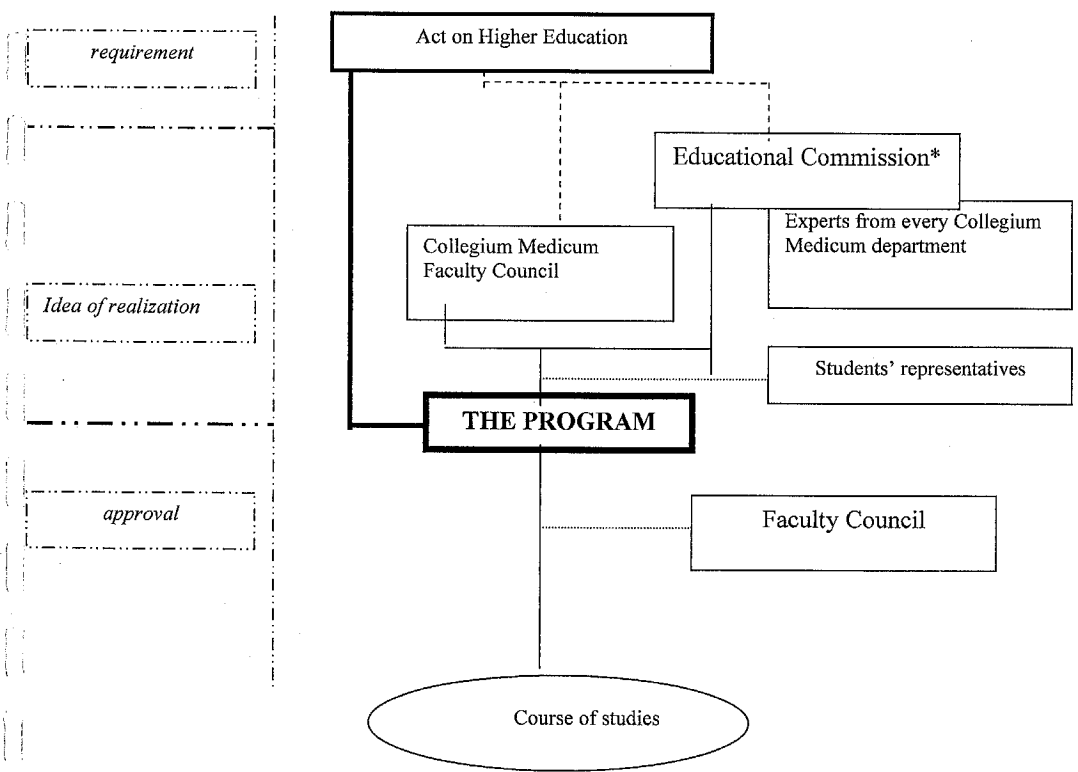
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year programs for English language students. The process of planning and evaluation of the educational program at the Jagiellonian University Collegium Medicum is presented in Figure V.1 below.

Fig.V.1.The planning and evaluation of the educational program



* Educational Commission is composed of representatives of every Jagiellonian University Collegium Medicum department (including representatives of all Basic and Clinical Sciences)



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- 3. Describe how the school is fostering the ability of students to learn through self-directed independent study.

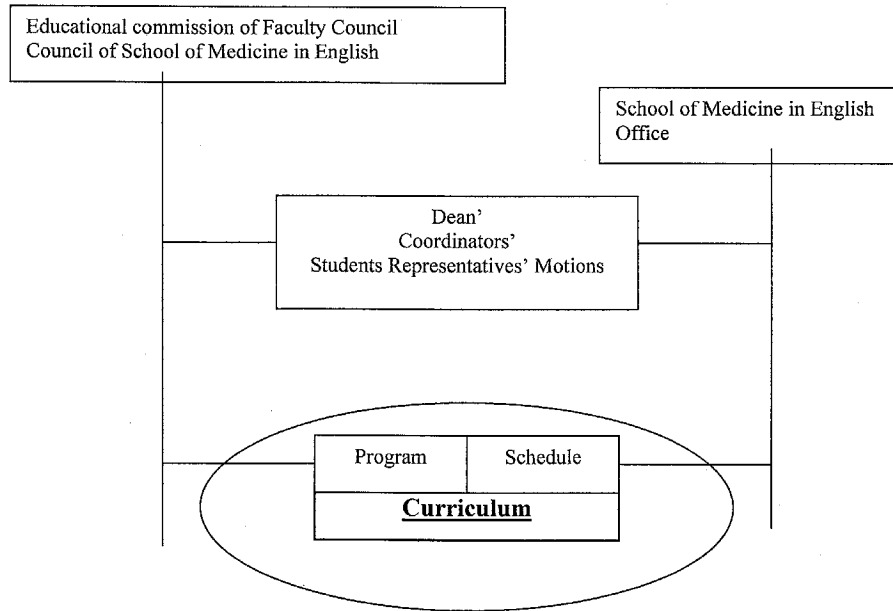
The ability of students to learn through self-directed independent study is fostered in a few ways. The Jagiellonian University School of Medicine in English organizes Journal Club meetings (optional) which are meant to develop the ability of independent problem solving through the management of independent projects, preparing presentations, and public discussions.

Apart from their participation in Journal Club meetings students act independently in Student's Scientific Circles (see point III.3) in which they are expected to carry out independent programs, participate in national, international and other meetings, and present results of their work..

Free tutorials available in all courses enable students to hold individual meetings with teachers and perform individual work under their teacher's or coordinator's supervision. Also additional laboratory hours (Anatomy, Histology) allow students to expand their knowledge through self-directed independent study .

- 4. Describe the mechanisms used for curriculum planning, implementation, evaluation, management, and oversight, including the roles of faculty committees, the departments, and the central medical school administration. The mechanisms used for curriculum planning are presented below in Fig. V.2.

Fig. V.2. Curriculum planning





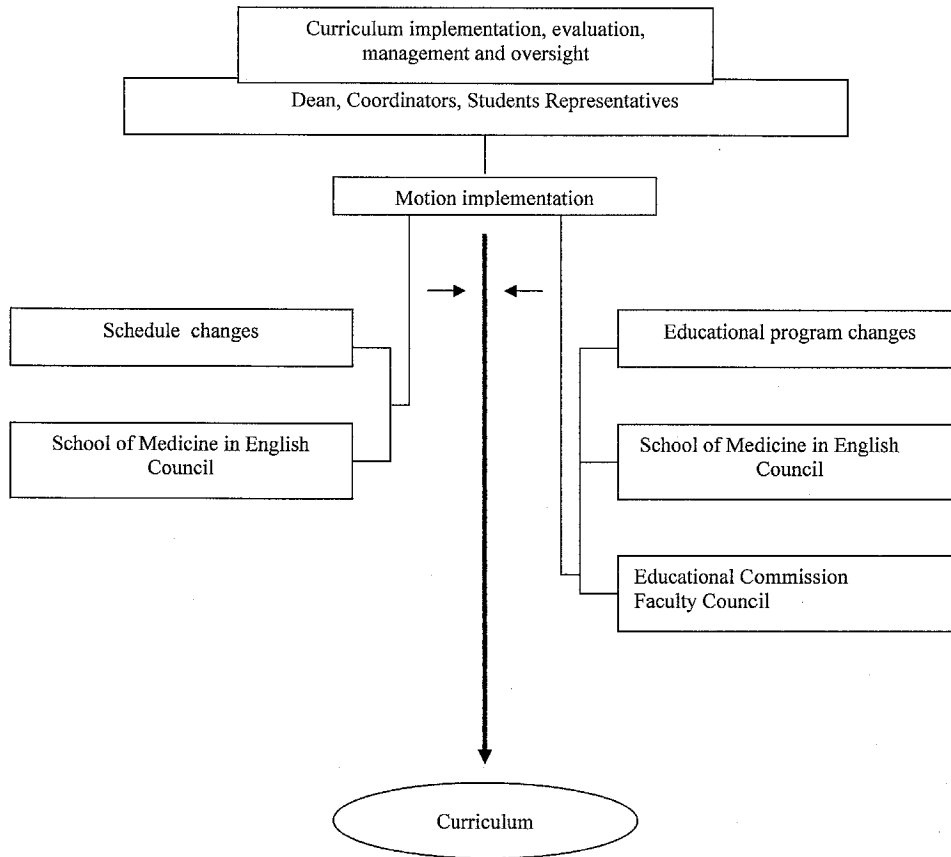
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The mechanisms used for curriculum implementation, evaluation, management, and oversight are presented in Fig. V.3.

Fig. V.3. Curriculum changes.





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5. How long is the period that the curriculum allows medical students to engage in actual instruction?

Curriculum provides detailed information concerning the number of courses and their hours, weeks, and months. It states the name of the course director, department, head of a given department, localization of the course and its length. It defines main goals and topics of each course, and specifies its type (lectures, seminars, laboratories, bedside teaching and other).

Curriculum is available for all students almost for the whole academic year. Students are given the published version together with the syllabus, schedules and a short description of courses on the Orientation Day (the first day of the school, in 2005 it will be 5th of September). Schedules are presented earlier, at the end of the academic year.

The curriculum is also available online www.cm-uj.krakow.pl/medschool

6. What is the total number of hours of all courses?

The total number of hours in the 6-year program is 5543 hours and 4501 hours in the 4-year program. Both programs/curricula fulfill the Medical Board of California standards.

7. What is the percent of actual attendance that is required?

At least 90% of attendance is required.

8. Describe how attendance is monitored.

Attendance is directly monitored by academic teachers, and indirectly by persons responsible for supervising training courses, i.e. by courses coordinators.

9. Describe the formal processes for effecting changes in the curriculum.

The process of changing the curriculum is a complex one. Changes can be introduced on request from authorities supervising the curriculum realization, i.e. Dean, Courses Coordinators and also Students Representatives. The School of Medicine in English Council makes decisions concerning implementation of any changes, evaluates them and presents them for approval to the Faculty Council which takes the final decision. The process is presented graphically in Fig. V.4. above.

10. In less than 25 words, describe how the curriculum for all applicants provides for adequate instruction in the following subjects:

- alcoholism (and other chemical substance dependency, detection and treatment)
- anatomy (including embryology, histology and neuroanatomy)
- anesthesia
- biochemistry
- child abuse detection and treatment
- dermatology
- family medicine
- geriatric medicine
- human sexuality
- medicine (including all sub-specialties)
- neurology

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- obstetrics and gynecology
- ophthalmology
- otolaryngology
- pain management and end-of-life care
- pathology
- bacteriology
- immunology
- pharmacology
- physical medicine
- physiology
- preventive medicine (including nutrition)
- psychiatry
- radiology (including radiation safety)
- spousal or partner abuse detection and treatment
- surgery (including orthopedic surgery)
- therapeutics
- tropical medicine
- urology

All the above subjects are included in the goals of obligatory courses, which are described in details in the Curriculum, enclosed as Attachment 2.

11. Discuss how all the subjects required for recognition are included in the curriculum, and describe how the coverage of these subjects is sufficient to meet accreditation standards.

The subjects presented above are all included in the curriculum as goals of obligatory courses. A short program is included in the curriculum (see Attachment 2). All the subjects are sufficiently discussed in the teaching groups during seminars, lectures and laboratories. Educational tasks are carried out sufficiently in the way and to the extent which meet the accreditation standards.

12. Complete the following curriculum tables and provide no further information than that which is required in those tables. List only the one main principle course objective where required.



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The curriculum tables concerning the School of Medicine in English 4-year educational program are presented below (Tables V.1, V.2, V.3, V.4)

Table V.1 Year One 4-year program

Course	Length in weeks	Year One				Total	Principle Course Objective
		# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours		
Anatomy	20	38	138	-	-	176	*
Physiology/ Biophysics	30	180				180	*
Biochemistry	24	76 22 review	26			124	*
Histology	20	46 4 review	54			104	*
Medical Embryology	11	30				30	*
Medical First Aid	11	30				30	*
Introduction Clinical Sciences	20	60			60	60	*
Cell Biology	15	30				30	*
Medical Ethics	15	20				20	*
Neurosciences	15	45				45	*
Medical Genetics	15	30				30	*
Immunology	7	17	3			20	*
Intro to Clinical Radiology	9	14	8			22	*
Lab of Clinical Training	5		20			20	*
Medical Polish	30			120		120	*
TOTAL		642	249	120	60	1011	

* see Attachment 2- Curriculum Description.



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Table V.2 Curriculum table concerning Year Two of 4-year educational program.

Year Two

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Pathology	30	90	130			220	*
Pharmacology	30	150				150	*
Pathophysiology	20	60				60	*
Microbiology/ Clinical Microbiology	15	45	45			90	*
Behavioural Sciences	15	2		28		30	*
Medical Sociology	7	15				15	*
Introduction to Internal Medicine	30	70		50	50	120	*
Clinical Laboratory Diagnostics	15	30				30	*
Introduction to Psychiatry	15	60				60	*
Infectious Diseases	15	30				30	*
Epidemiology/ Biostatistics	15	20	10			30	*
Introduction to Neurology	1	12		22	22	32	*
Medical Polish	30	120				120	*
TOTAL	238	704	185	100	72	987	

* see Attachment 2- Curriculum Description.



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Table V.3 Curriculum table concerning Year Three of 4-year educational program.

Year Three

Include the number of sites used for inpatient and the number of site used for outpatient teaching in the following format:
 #inpatient / #outpatient (# Sites used)

Clerkship	Total Weeks	% Ambulatory	# Sites used		Typical weekly length of time for formal instruction	Average # of new patients per week	Average # of continuity patients per week
			inpatient *	outpatient **			
Internal Medicine	11	25	413	2465	24	220	170
Surgery	7	25	80	288	30	50	30
Pediatrics	5,5	25	587	288	27	500	100
Obstetrics/Gynecology	4,5	25	180	611	33-35	190	30
Psychiatry	3	25	80	288	30	14	66
Clinical Radiology	11 wks/60 hrs	100	0	769	2-4	n/a	n/a
Anesthesiology	18 wks/60 hrs	5	75	2	2-4	70	1
Neurology	4	20	135	373	30	70	60
Clinical Immunology	3 wks/22 hrs	n/a	n/a	n/a	2-3	n/a	n/a

* number of beds used weekly

** number of available ambulatory patients weekly



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Table V.4 Curriculum table concerning Year Four of 4-year educational program studies.

Year Four

Include the number of sites used for inpatient and the number of site used for outpatient teaching in the following format:
 #inpatient / #outpatient (# Sites used)

Clerkship	Total Weeks	% Ambulatory	# Sites used*		Typical weekly length of time for formal instruction	Average # of new patients per week	Average # of continuity patients per week
			inpatient *	outpatient **			
Internal Medicine	8	25	413	2465	30	220	170
Surgery II	7	30	80	288	30	50	30
Pediatrics II	3	30	587	288	30	500	100
Obstetrics/Gynecology	3	30	180	611	30	190	30
Family Medicine	2	100	0	596	30	n/a	n/a
Emergency Medicine	60 hrs	100	12	1900	2-11	70	0
Forensic Medicine	2	n/a	n/a	n/a	30	n/a	n/a
Dermatology/Venerology	2	25	40	230	30	15	15
Ophthalmology	2	25	40	409	30	35	5
Otolaryngology	2	25	51	577	30	34	17

* number of beds used

** number of available ambulatory patients weekly



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The curriculum tables concerning the School of Medicine in English 6-year educational program are presented below.

Table V.5. The curriculum table concerning Year One of the School of Medicine in English 6-year educational program

Year One – 6 year program

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Anatomy/Clinical Anatomy	27	44 11 (exams)	130		-	185	*
Histology/Cytohistology	30	68	75			143	*
Biology	13	26	39			65	*
Medical First Aid	15		30			30	*
Chemistry (General & Organic)	30	84 4 (exams)	12			100	*
Medical Polish	30			120		120	*
Humanities/Polish History	15	30				30	*
TOTAL	160	267	286	120		673	

* see Attachment 2- Curriculum Description



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Table V.6 The curriculum table concerning the School of Medicine in English Year Two of 6-year educational program

Year Two – 6 year program

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Physiology	30	145 10 (exams)	45			200	*
Biochemistry	30	92 46	51			189	*
Medical Genetics	15	45				45	*
Medical Sociology	15	30				30	*
Humanities	15	30				30	*
Biostatistics	10		20	10		30	*
Biophysics	15	30	40			70	*
Medical Ethics	15	20				20	*
Psychology	15	30				60	*
Medical Polish	30			90		90	*
Introduction to Clinical Sciences	20	60			60	60	*
TOTAL	195	493	156	100	60	824	

* see Attachment 2- Curriculum Description



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Table V.7 The curriculum table concerning the School of Medicine in English Year Three of 6-year educational program

Year Three – 6 year program

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Pathology I	30	44	106			150	*
Pathophysiology	18	100				100	*
Pharmacology	30	90				90	*
Introduction to Pediatrics	20	48			72	120	*
Introduction to Internal Medicine	30	60	10		50	120	*
Microbiology	15	30	30			60	*
Clinical Biochemistry	15	16		14		30	*
Medical Psychology	15	30				30	*
Hygiene/Human Ecology	15	16	24			40	*
Epidemiology	15	18	17			35	*
Medical Polish	15	30					*
Philosophy	15	30				30	*
TOTAL	331	512	187	14	122	805	

* see Attachment 2- Curriculum Description



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Table V.8 The curriculum table concerning the School of Medicine in English Year Four of 6-year educational program

Year Four – 6 year program

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Pharmacology	30	75				75	*
Pathology	15	60				60	*
Medical Polish (optional)	30	120				120	*
Clinical Biochemistry	15	20		10		30	*
Nuclear Medicine	1	15		13	2		
TOTAL	91	290		23	2	285	

* see Attachment 2- Curriculum Description.



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Year Four -- 6-year program

Include the number of sites used for inpatient and the number of site used for outpatient teaching in the following format:
 #inpatient / #outpatient (# Sites used)

Clerkship	Total Weeks	% Ambulatory	# Sites used		Typical weekly length of time for formal instruction	Average # of new patients per week	Average # of continuity patients per week
			inpatient *	outpatient **			
Internal Medicine	6	25	413	2465	30	220	170
Pediatrics	4	25	587	288	30	500	100
Psychiatry	1	0	45	28	30	5	40
Psychotherapy	1	0	45	28	30	5	40
Dermatology	3,5	25	40	230	30	15	15
Introduction to Surgery	3,5	20	98	403	30	55	45
Clinical Toxicology	1	25	41	45	30	18	23
Rheumatology	1	60	0	42	30	0	0

* number of beds used

** number of available ambulatory patients weekly



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Table V.9 The curriculum table concerning the School of Medicine in English Year Five of 6-year educational program

Year Five – 6-year program

Course	Length in weeks	# of lecture hours	# of lab hours	# of small group discussion hours*	# of patient contact hours	Total	Principle Course Objective
Clinical Microbiology	5,5		4	26		30	*
Clinical Immunology	3	20		1		21	*
Clinical Biochemistry	9	30				30	*
TOTAL		50	4	27		81	

*see Attachment 2- Curriculum Description

Year Five – 6-year program

Include the number of sites used for inpatient and the number of site used for outpatient teaching in the following format:
#inpatient / #outpatient (# Sites used)

Clerkship	Total Weeks	% Ambulatory	# Sites used		Typical weekly length of time for formal instruction	Average # of new patients per week	Average # of continuity patients per week
			inpatient *	outpatient **			
Internal Medicine	5	25	413	2465	30	220	170
Pediatrics	3	30	587	288	30	500	100
Neurology and Neurotraumatology	5	25	135	373	24	70	65
Surgery	3,5	30	98	403	25-30	55	45
Infectious Diseases	5	25	70	323	18	50	10
Psychiatry	4	25	80	288	30	14	66
Otolaryngology	2	25	51	577	30	34	17
Orthopedics	2	25	35	323	30	30	5
Radiology and Surgical Radiology	75 hrs/12 wks	100	0	769	2-6	n/a	n/a
Gynecology and Obstetrics	1	10	180	611	30	190	30
Anesthesiology and Intensive Care	60 hrs/12 wks	5	75	2	2-4	70	1

* number of beds used

** number of available ambulatory patients weekly



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Table V.10 The curriculum table concerning the School of Medicine in English Year Six of 6-year educational program

Year Six – 6-year program

Include the number of sites used for inpatient and the number of site used for outpatient teaching in the following format:
 #inpatient / #outpatient (# Sites used)

Clerkship	Total Weeks	% Ambulatory	# Sites used		Typical weekly length of time for formal instruction	Average # of new patients per week	Average # of continuity patients per week
			inpatient *	outpatient **			
Obstetrics and Gynecology	7	30	180	611	30	190	30
Surgery	3	20	98	403	30	55	45
Pediatrics	3	30	587	288	30	500	100
Internal Medicine	3	25	413	2465	30	220	170
Family Medicine	2	100	0	596	30	n/a	n/a
Forensic Medicine	2	n/a	n/a	n/a	30	n/a	n/a
Ophthalmology	2	25	40	403	30	35	5
Emergency Medicine	2	100	9	553	6-8	60	0
Oncology	1	50	12	192	32	25	3
Occupational Medicine	1	n/a	n/a	n/a	30	n/a	n/a
Geriatrics	2	30	70	100	15	12	60

* number of beds used

** number of available ambulatory patients weekly

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**VI. Governance:**

1. Describe how the administrative and governance system allow the institution to accomplish its objectives.

The system of governance and administration was established by the Jagiellonian University Senate and is presented in the Jagiellonian University Mission Statement (Attachment 1).

The governing and administrative system allowing the Jagiellonian University to accomplish its objectives is graphically presented below (Fig. VI.1).

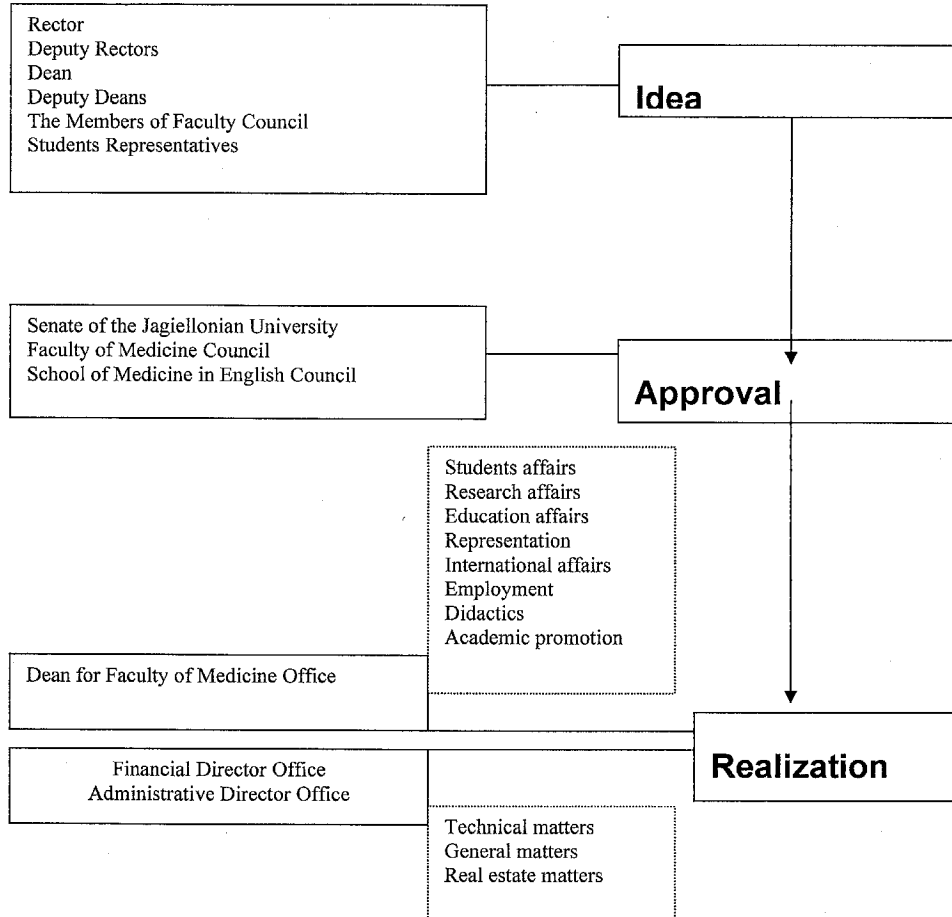


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Fig. VI.1. Governance- accomplishing objectives




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2. Describe how the institutions governance system gives faculty a formal role in the institution's decision-making process.

The governance system with decision making process is presented graphically in Fig. VI.1 above.

3. Are students enrolled in the program permitted to serve as instructors, administrators, officers or directors of the school? If so, explain.

No, students are not permitted to serve as instructors, administrators, officers or directors at the Jagiellonian University Collegium Medicum. The employment of a student assistant should be preceded by practice or doctoral courses. The post of student assistant can be granted to a fourth or a fifth year student of impeccable ethical conduct who achieved at least good results during the last two years of studies, has all the necessary qualifications for academic work, confirmed by participation in seminars, publications or achievements in the students academic activity.

The Jagiellonian University Statute (section 10) clearly defines the rules of employment (see Attachment 1).

4. Describe the mechanisms that exist for periodic review of departments and chairs.

The periodic review of departments and chairs of the Jagiellonian University Collegium Medicum (including the School of Medicine in English) is performed once a year by a Commission consisting of the University authorities: Deputy Dean for the Basic Sciences and the Deans Collegium (Dean of the Faculty of Medicine, Deputy Dean for the Clinical Sciences, Deputy Dean for the International Cooperation in Didactics, Deputy Dean for Titles and Degrees).

The Commission prepares the self-assessment report, in which all the Collegium Medicum departments and chairs are evaluated with respect to the following subjects:

Academic teachers: academic teachers evaluation. Academic teachers are evaluated by the Faculty Commission for Employment and Development of Academic Teachers.

Education: rules of admission process, the number of students, the graduate's profile, vacation clerkships, didactic methods, the system of students' evaluation, education in foreign languages, individual training, the educational program.

Students' affairs: organizations, scientific circles, grants, fees, social affairs, academic career board

Scientific activity: research programs completed and in progress, publications, research activities in every department of the Jagiellonian University Faculty of Medicine.

International cooperation: cooperation with foreign countries, other universities, students'



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foreign rotation

Major achievements: changes in didactics, medical library, didactic achievements

The weakness of the Jagiellonian University Faculty of Medicine

Development plans

A translation of a report concerning the 2004 review of the Jagiellonian University Collegium Medicum (including the School of Medicine in English) is accessible in the School Office.

5. Are there any departments experiencing significant problems? If so, which ones and why?

There are no departments experiencing problems within the Jagiellonian University Collegium Medicum at present.

6. Provide a list of the deans' names, responsibilities, credentials, date of appointment and his or her relationship to university officials.

Respective relationships are shown in Fig. IV.3.

Table VI.1 List of Deans' names, responsibilities, credentials and date of appointment.

	Deans name	Responsibility	Credential	Years of appointment
1.	Professor Wieslaw Pawlik, Ph.D. M.D.	Deputy Rector for Jagiellonian University Collegium Medicum	Physiologist	40
2.	Professor Wojciech Nowak, Ph.D. M.D.	Dean for the Faculty of Medicine of the Jagiellonian University	Surgeon	30
3.	Professor Piotr Laidler, Ph.D.	Dean for International Affairs	Biochemist	32
4.	Professor Tomasz Grodzicki, Ph.D. M.D.	Dean for Clinical Education	Internist	20
5.	Professor Tomasz Mach, Ph.D. M.D.	Dean for Academic Promotion	Internist	29
6.	Professor Krystyna Sztefko, Ph.D.	Dean for Preclinical Education	Biochemist	25
7.	Professor Jan Zapala, Ph.D. M.D.	Dean for Dentistry	Surgeon	27

7. Attach a copy of the institution's contingency plan for addressing natural disasters.

Attachment 4.

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**VII. Faculty:**

1. List all faculty members and their length of employment.

There are 785 Faculty of Medicine members, from whom 345 persons work at the School of Medicine in English. Potentially all faculty members can work for the JUCM School of Medicine in English. Their names, length of employment and credentials are listed in Table VII.1 below.

Tab. VII.1. Jagiellonian University Collegium Medicum - Faculty members

L.p.	Scientific Title	Surname	Given name	Full-time/part-time job	Chair/Clinic/Department/Institute	Years in JUCM	Employed in School of Medicine in English
1	MD, PhD HAB	ADAMEK	DARIUSZ	1	Inst. of Neurology	23	1
2	PROF. MD, PhD	ADAMEK-GUZIŁ	TERESA	1	Chair of Internal & Rural Med.	40	
3	MSc	ADAMIEC	MAŁGORZATA	1	Polish-American Inst. of Pediatrics	1	
4	MD	ADAMKIEWICZ-PIEJKO	AGATA	1	Chair of Internal Med. & Gerontology	3	1
5	PROF. MD, PhD	ALEKSANDROWICZ	JERZY	1	Chair of Psychotherapy	45	1
6	PROF. MD, PhD	ANDRES	JANIUSZ	1	Chair of Anesthes. & Intensive Care	16	1
7	MD, PhD	ANIELSKI	RYSZARD	1	III Chair of General Surgery	17	
8	MD, PhD	ANTOSZCZYK	GRAŻYNA	1	Chair of Dermatology	19	1
9	MD	ANYSZEK	TOMASZ	1	Chair of Clinical Biochemistry	10	1
10	MD, PhD	BACIOR	BOGUMIŁA	1	Institute of Cardiology	13	
11	MSc	BAJKA	JADWIGA	1	Chair of Epidemiology & Preventive Med.	33	
12	MSc, PhD	BAJ-KRZYWORZEKA	MONIKA	1	Polish-American Inst. of Pediatrics	5	
13	MD, PhD	BALICKA-SŁUSARCZYK	BARBARA	1	Chair of Toxicology	5	
14	MD	BALIGA-PĄŁKA	BEATA	1	Chair of Gynecology & Obstetrics	1	
15	MD, PhD HAB	BALWIERZ	WALENTYNA	1	Polish-American Inst. of Pediatrics	13	1
16	MD, PhD	BALAJEWICZ-BALDYS-	MARIUSZ	1	Chair of Gynecology & Obstetrics	23	
17	MD, PhD	WALIGORSKA	AGATA	1	Chair of Endocrinology	12	1

18	MD, PhD	BANACH	MARTA	1	Inst. of Neurology	10	
19	MD	BANACH	MARTA	1	Chair of Anesthes. & Intensive Care	1	1
20	MD, PhD	BANACH	TOMASZ	1	Chair of Pathophysiology	7	1
21	MSc, PhD	BARAN	JAROSŁAW	1	Polish-American Inst. of Pediatrics	11	1
22	MD, PhD	BARCZYŃSKI	MARCIN	1	III Chair of General Surgery	8	
23	PROF. MD, PhD	BARCZYŃSKI	MARIAN	0,25	III Chair of General Surgery	49	
24	PROF. MD, PhD	BASTA	ANTONI	1	Chair of Gynecology & Obstetrics	32	
25	MSc, PhD	BASTA	MARIA	1	Chair of Microbiology	26	
26	MD, PhD	BEDNAREK	JACEK	0,25	Institute of Cardiology	5	1
27	MD, PhD	BEDNARZ	STEFAN	1	Chair of Internal Med.&Gerontology	22	
28	MSc, PhD	BERETA	MICHAŁ	1	Chair of Immunology	3 mies	1
29	MD	BEREZA	TOMASZ	1	Chair of Anatomy	8	
30	MA, PhD	BĘTKOWSKA-KORPALA	BARBARA	1	Chair of Psychiatry	1	
31	MD, PhD	BIAŁAS	MAGDALENA	0,50	Chair of Pathomorphology	1	
32	MD	BIAŁCZYK	BARTOSZ	1	Chair of Internal Med.&Gerontology	6	
33	MSc	BIEDRÓN	RAFAL	1	Chair of Immunology	2	1
34	MD, PhD	BIEŃ	ARTUR	1	Chair of Metabolic Diseases	15	1
35	MD, PhD	BIERNAT	JAROSŁAW	1	Chair of Physiology	10	1
36	MSc, PhD	BIERNAT-SUDOLSKA	MAŁGORZATA	1	Chair of Microbiology	20	
37	MD, PhD	BIERÓN	KRZYSZTOF	1	Chair of Pharmacology	37	

38	MSc	BIERZYŃSKI	KAZIMIERZ	1	Chair of Psychotherapy	23
39	MD, PhD	BIESIADA	ZBIGNIEW	1	II Chair of General Surgery	22
40	MD, PhD	BIESIADA	GRAŻYNA	1	Chair of Infectious Dis. & Hepatology	19
41	MD, PhD	BIK-MULTANOWSKI	MIROSLAW	1	Polish-American Inst. of Pediatrics	3
42	MD, PhD	BŁAUT	URSZULA	1	Chair of Pathophysiology	6
43	MD	BŁAUT	ANITA	1	Polish-American Inst. of Pediatrics	1
44	MD, PhD HAB	BOBRZYŃSKI	ANDRZEJ	1	II Chair of General Surgery	37
45	MD, PhD	BOCHENEK	GRAŻYNA	1	II Chair of Internal Med.	17
46	MD, PhD	BOCIAGA-JASIK	MONIKA	1	Chair of Infectious Dis. & Hepatology	11
47	MD, PhD	BODZOŃ	WOJCIECH	1	II Chair of Internal Med.	15
48	MD	BOLECHAŁA	FILIP	1	Chair of Forensic Medicine	4
49	MD, PhD	BOLT	LESZEK	1	II Chair of General Surgery	20
50	PROF. MD, PhD	BOMBA	JACEK	1	Chair of Psychiatry	32
51	MD, PhD HAB	BRONGEL	LESZEK	1	II Chair of General Surgery	30
52	MD	BROZEK	JAN	0,25	II Chair of Internal Med.	9
53	MD	BRUDNIK	URSZULA	1	Chair of Dermatology	1
54	MSc	BRYLIŃSKI	MICHAŁ	0,50	Departm. of Bioinformatics & Telemed.	1
55	MD	BRYLL	AMIRA	1	Chair of Radiology	7
56	MD, PhD	BRYNIARSKI	LESZEK	1	Institute of Cardiology	3
57	MSc, PhD	BRYNIARSKI	KRZYSZTOF	1	Chair of Immunology	16

58	MD	BRZEGOWY	PAWEŁ	1	Chair of Radiology	7	1
59	MD, PhD	BRZEWSKI	MAREK	1	Chair of Dermatology	33	
60	MSc, PhD	BRZOWOWSKA BRZOWOWSKA-	IWONA	1	Chair of Anatomy	23	
61	MD	CZARNEK	AGATA	1	Chair of Radiology	6	1
62	PROF. MD, PhD	BRZOWOWSKI BRZYCHCZY-	TOMASZ	1	Chair of Physiology	26	1
63	MSc	WŁOCH	MONIKA	0,50	Chair of Microbiology	1	
64	MD, PhD	BUDZYŃSKI	ANDRZEJ	1	II Chair of General Surgery	12	1
65	MD	BUDZYŃSKI	PIOTR	1	II Chair of General Surgery	3	1
66	MSc INŻ.	BUGAJSKA	JOLANTA	1	Polish-American Inst. of Pediatrics	1	
67	MD, PhD	BUGAJSKI	ANDRZEJ	1	Chair of Pathophysiology	14	
68	MD, PhD HAB	BULANDA	MAŁGORZATA	1	Chair of Microbiology	28	
69	MD, PhD HAB	BYSIEK	ADAM	1	Polish-American Inst. of Pediatrics	24	
70	MD	CEBULA	GRZEGORZ	1	Polish-American Inst. of Pediatrics	1	1
71	PROF. MD, PhD	CEBULSKA- WASILEWSKA	ANTONINA	0,50	Chair of Epidemiology & Preventive Med.	4	1
72	MD, PhD	CECHNICKI	ANDRZEJ	1	Chair of Psychiatry	25	
73	MD	CEGIELNY	TOMASZ	1	III Chair of General Surgery	3	
74	MD, PhD	CERANOWICZ	PIOTR	1	Chair of Physiology	10	
75	MD, PhD	CHAŁUPCZAK	PIOTR	1	Chair of Gynecology & Obstetrics	5	
76	MD, PhD HAB	CHŁOPICKI	STEFAN	1	Chair of Pharmacology	13	1
77	MD	CHMIEL	DARIUSZ	1	Chair of Anatomy	8	

78	MSc	CHMIELARCZYK	AGNIESZKA	1	Chair of Microbiology	5	
79	MD, PhD	CHROSTEK-MAJ	JAN	1	Chair of Toxicology	6	
80	MD, PhD	CHRZAN	ROBERT	1	Chair of Radiology	11	1
81	MD, PhD	CIBOR	DOROTA	1	Chair of Infectious Dis. & Hepatology	8	1
82	MD, PhD	CICHOCKA-JAROSZ	EWA	1	Polish-American Inst. of Pediatrics	20	1
83	PROF. MD, PhD	CICHOCKI	TADEUSZ	1	Chair of Histology	46	1
84	MD, PhD HAB	CICHON	STANISLAW	1	III Chair of General Surgery	36	
85	MD	CICHON	WOJCIECH	1	III Chair of General Surgery	2	
86	MD, PhD	CIEŃKO-MICHALSKA	IRENA	1	Chair of Infectious Dis. & Hepatology	5	
87	MD, PhD	CIENIAWA	TOMASZ	1	Chair of Anesthes. & Intensive Care	10	1
88	MD, PhD	CIEŚLA	ANDRZEJ	1	Chair of Infectious Dis. & Hepatology	9	
89	MSc, PhD	CIOŁCZYK-WIERZBICKA	DOROTA	1	Institute of Medical Biochemistry	7	1
90	MD	CISZOWSKI	KRZYSZTOF	1	Chair of Toxicology	2	
91	MD, PhD	CURYŁO	ADAM	1	Institute of Cardiology	14	
92	MSc, PhD	CZAJKOWSKA	BARBARA	1	Chair of Immunology	13	
93	MD, PhD HAB	CZARNECKA	DANUTA	1	Institute of Cardiology	23	
94	MD, PhD	CZARNOBILSKA	EWA	1	Chair of Toxicology	2	
95	MD	CZEPIEL	JACEK	1	Chair of Infectious Dis. & Hepatology	2	1
96	MD, PhD HAB	CZEPKO	RYSZARD	1	Inst. of Neurology	9	1
97	MD, PhD	CZOPEK	JACEK	1	Chair of Pathomorphology	6	1

98	MSc	CZUBAK	JERZY	1	Institute of Medical Biochemistry	29	
99	MD, PhD HAB	CZUPRYNA	ANTONI	1	I Chair of General Surgery	32	
100	MD	ĆWIKLIŃSKA	MAGDALENA	1	Polish-American Inst. of Pediatrics	5	
101	MD, PhD HAB	DE BARBARO	BOGDAN	1	Chair of Psychiatry	22	1
102	PROF. MD, PhD	DEMBIŃSKA-KIEĆ	ALDONA	1	Chair of Clinical Biochemistry	33	1
103	PROF. MD, PhD	DEMBIŃSKI	ARTUR	1	Chair of Physiology	32	1
104	MD	DEMCHUK	SERGIY	1	Chair of Pathomorphology	3 mies	
105	MD, PhD	DEPOWSKA	TERESA	1	Polish-American Inst. of Pediatrics	25	
106	MD	DEPUKAT	PAWEŁ	1	Chair of Anatomy	1	
107	MD, PhD	DĘBEK	KRYSTYNA	1	Chair of Gynecology & Obstetrics	1	
108	MD, PhD	DŁUŻNIEWSKA	AGNIESZKA	1	Polish-American Inst. of Pediatrics	22	1
109	MD, PhD	DOBREK	ŁUKASZ	1	Chair of Pathophysiology	2	
110	MD, PhD HAB	DOBROGOWSKI	JAN	1	Chair of Anesthes. & Intensive Care	8	1
111	MD	DOBROWOLSKA	BARBARA	1	Chair of Urology	3	
112	PROF. MD, PhD	DOBROWOLSKI	ZYGMUNT	1	Chair of Urology	29	
113	MD, PhD	DOLECKI	MIROSLAW	1	II Chair of General Surgery	11	1
114	MD, PhD HAB	DOMAGAŁA	TERESA	1	Institute of Medical Biochemistry	29	
115	MD	DOMINIK	RYSZARD	1	Chair of Anesthes. & Intensive Care	9	
116	MD, PhD	DORAZIL-DUDZIK	MAGDALENA	1	Chair of Internal Med.&Gerontology	1	
117	MD	DRAB	EDYTA	1	Chair of Anesthes. & Intensive Care	3	1

118	MD, PhD	DRABIK	GRAŻYNA	0,50	Polish-American Inst. of Pediatrics	5	
119	MD	DROP	DOBROMIŁA	0,25	Chair of Histology	1	1
120	MD, PhD	DROP	KRYSTYNA	1	Polish-American Inst. of Pediatrics	37	
121	MD, PhD	DROPIŃSKI	JERZY	1	II Chair of Internal Med.	12	1
122	MD	DROZDOWSKI	PIOTR	1	Chair of Psychiatry	26	
123	MD, PhD	DROŹDŹ	MACIEJ	1	Chair of Nephrology	9	1
124	MD, PhD HAB	DROŹDŹ	WŁODZIMIERZ	1	II Chair of General Surgery	31	1
125	MSc, PhD	DROŹDŹ	RYSZARD	1	Chair of Clinical Biochemistry	17	1
126	MA, PhD	DROŹDŹOWICZ	LUCYNA	1	Chair of Psychiatry	11	1
127	MD, PhD	DRWIŁA	RAFAŁ	1	Chair of Anesthes. & Intensive Care	15	1
128	MD	DRZEWIECKI	ARTUR	0,50	Chair of Microbiology	1	
129	MD	DUBIEL	MARZENA	1	Chair of Internal Med. & Gerontology	2	
130	PROF. MD, PhD	DUBIEL	JACEK	1	Institute of Cardiology	36	
131	MD, PhD	DUDEK	DARIUSZ	1	Institute of Cardiology	7	1
132	MD, PhD	DUDEK	DOMINIKA	1	Chair of Psychiatry	9	1
133	MSc, PhD	DULIŃSKA-LITEWKA	JOANNA	1	Institute of Medical Biochemistry	19	1
134	MD, PhD	DUPLAGA	MARIUSZ	1	II Chair of Internal Med.	11	
135	MD, PhD	DUTSCH-WICHEREK	MAGDALENA	1	Chair of Otolaryngology	5	1
136	MD	DYDUCH	GRZEGORZ	1	Chair of Pathomorphology	8	1
137	MSc, PhD	DYMON	MIECZYSLAW	1	Chair of Microbiology	36	

178	MD, PhD	GÓRNIAK-BEDNARZ	ALINA	1	Chair of Ophthalmology	26	
179	MD	GÓRSKI	LECH	1	Chair of Internal & Rural Med.	11	
180	MPharm, PhD	GRABOWSKA	MARIOLA	1	Institute of Medical Biochemistry	26	
181	PROF. MD, PhD	GRODZICKI	TOMASZ	1	Chair of Internal Med.&Gerontology	20	1
182	PROF. MD, PhD	GRODZIŃSKA	LILIA	0.25	Chair of Pharmacology	44	
183	MD, PhD	GROSS	ADAM	1	Chair of Forensic Medicine	30	
184	MD, PhD	GROSZEK	BARBARA	1	Chair of Toxicology	16	1
185	MD	GRUDZIŃ	GRZEGORZ	1	Institute of Cardiology	4	1
186	MD, PhD	GRYGLEWSKA	BARBARA	1	Chair of Internal Med.&Gerontology	18	1
187	MD, PhD	GRYGLEWSKI	ANDRZEJ	1	Chair of Anatomy	21	
188	MA, PhD	GRYGLEWSKI	RYSZARD	1	Chair of History of Medicine	5	
189	MD, PhD	GRYZ-KUREK	ELZBIETA	1	Inst. of Neurology	19	1
190	MD, PhD	GRZANKA	PIOTR	1	II Chair of Internal Med.	7	1
191	MD, PhD	GRZENDA-ADAMEK	ZOFIA	1	Polish-American Inst. of Pediatrics	12	1
192	MSc INŻ.	GRZYBOWSKI	PIOTR	1	Departm. of Bioinformatics & Telemed.	5	
193	MD, PhD HAB	GUZIK	TOMASZ	1	Chair of Internal & Rural Med.	4	1
194	MD	GUZIK	PIOTR	1	II Chair of General Surgery	6	1
195	MD	GUZIK	BARTŁOMIEJ	0.25	Chair of Histology	2	1
196	MSc, PhD	HARTWICH	JADWIGA	1	Chair of Clinical Biochemistry	6	1
197	MD, PhD	HAWRYLECKA	DOROTA	1	Chair of Hematology	2	1

198	PROF. MD, PhD	HECZKO	PIOTR	1	Chair of Microbiology	39	1
199	MD, PhD HAB	HEITZMAN	JANUSZ	1	Chair of Psychiatry	25	
200	MSc, PhD	HELBIN	JADWIGA	1	Depart. of Hygiene & Ecology	6	
201	PROF. MD, PhD	HERMAN	ROMAN	1	III Chair of General Surgery	31	1
202	MD, PhD	HERMAN- SUCHARSKA	IZABELA	1	Chair of Radiology	20	1
203	MD, PhD	HŁADKI	WALDEMAR	1	II Chair of General Surgery	14	1
204	MD	HODOROWICZ- ZANIEWSKA	DIANA	1	I Chair of General Surgery	2	
205	DDS	HOLIAT	DOMINIKA	1	Chair of Anatomy	3	
206	MD, PhD	HUBALEWSKA- DYDEJCZYK	ALICJA	1	Chair of Endocrinology	21	1
207	PROF. MD, PhD	HUSZNO	BOHDAN	1	Chair of Endocrinology	34	1
208	MD, PhD	HYDZIK	PIOTR	1	Chair of Toxicology	5	1
209	MD, PhD HAB	IDZIOR-WALUŚ	BARBARA	1	Chair of Metabolic Diseases	30	1
210	MPharm, PhD	IGNACAK	JAN	1	Institute of Medical Biochemistry	18	
211	MD, PhD	IGNACAK	ADAM	1	Chair of Internal & Rural Med.	13	
212	MD, PhD	IGNACAK	EWA	1	Chair of Nephrology	12	
213	MD, PhD	ISKRA	TOMASZ	1	Chair of Anatomy	10	
214	MD	ISTRATI	JULITA	1	Depart. of Rheumatology & Balneology	5	1
215	MD, PhD	JABLŃSKA	EDYTA	1	Chair of Oncology	10	1
216	MSc	JABLŃSKI	ZBIGNIEW	1	Chair of Psychotherapy	29	
217	MD, PhD	JACH	ROBERT	1	Chair of Gynecology & Obstetrics	4	1

218	MD	JAGŁA	GRZEGORZ	1	Chair of Anatomy	2	
219	MD	JAGŁA	MATEUSZ	1	Polish-American Inst. of Pediatrics	3	1
220	MD	JAKIEŁA	BOGDAN	1	II Chair of Internal Med.	1	
221	MD, PhD	JAKUBOWSKI	ANDRZEJ	1	Chair of Pharmacology	11	
222	MD, PhD	JAMSKI	JERZY	1	III Chair of General Surgery	35	
223	MD, PhD	JANAS-SKULINA	URSZULA	1	Chair of Infectious Dis. & Hepatology	20	
224	MD, PhD	JANKOWSKI	MILOSZ	1	II Chair of Internal Med.	6	1
225	MD, PhD	JANUŚ	DOMINIKA	1	Polish-American Inst. of Pediatrics	6	1
226	MD, PhD	JAROSZ-CENCORA	BARBARA	0,25	Chair of Anesthes. & Intensive Care	28	1
227	MD, PhD	JARZĄB	ANNA	1	Polish-American Inst. of Pediatrics	3	1
228	MD, PhD	JARZYNOWSKI	WIESŁAW	1	II Chair of General Surgery	3	
229	MD	JASIEWICZ	BARBARA	0,50	Chair of Orthopedic	1	
230	MD, PhD	JAWIEN	JACEK	1	Chair of Pharmacology	11	1
231	MD	JAWIEN	MIROŚLAW	1	Chair of Microbiology	3	
232	MD	JAWOREK JEDYNAK- WAŚOWICZ	ANDRZEJ	1	Chair of Dermatology	1	1
233	MD, PhD	JEDRYCHOWSKI	URSZULA	1	Polish-American Inst. of Pediatrics	2	1
234	MD	JEDRYCHOWSKI	MICHAŁ	1	Chair of Infectious Dis. & Hepatology	1	
235	PROF. MD, PhD	JEDRYCHOWSKI	WIESŁAW	0,50	Chair of Epidemiology & Preventive Med.	43	1
236	MD, PhD	JONKISZ	JACEK	1	III Chair of General Surgery	25	
237	MA, PhD	JÓZEFIK	BARBARA	1	Chair of Psychiatry	14	1

238	MD, PhD	JURCZAK	WOJCIECH	1	Chair of Hematology	14	1
239	MSc	JURKOWSKA	HALINA	1	Institute of Medical Biochemistry	4	
240	MD	JURKOWSKI	JAROSLAW	0,50	Chair of Orthopedic	2 mies	
241	MSc	JURKOWSKI	WIKTOR	0,50	Departm. of Bioinformatics & Telemed.	1	1
242	MD	KACIŃSKA	EWA	1	Polish-American Inst. of Pediatrics	3	
243	PROF. MD, PhD	KACIŃSKI	MAREK	1	Polish-American Inst. of Pediatrics	33	
244	MD, PhD	KAIM	IRENA	1	Chair of Gynecology & Obstetrics	13	
245	MSc	KALFAS-PALUCH	DOROTA	1	Polish-American Inst. of Pediatrics	6	
246	MD	KALICIŃSKI	MARIUSZ	0,50	Chair of Orthopedic	2 mies	
247	MD, PhD	KASPERCZYK	ANNA	1	Polish-American Inst. of Pediatrics	11	
248	MD	KALINOWSKA-NOWAK	ANNA	1	Chair of Infectious Dis. & Hepatology	7	
249	MD, PhD	KAMENCZAK	ALEKSANDRA	1	Chair of Toxicology	26	
250	MD, PhD	KAPELAK	BOGUSŁAW	1	Institute of Cardiology	21	
251	MSc, PhD	KAPUSTA	MARIA	1	Chair of Clinical Biochemistry	1	
252	PROF. MD, PhD	KARCZ	DANUTA	1	II Chair of General Surgery	39	
253	MD	KARSKA-BASTA	IZABELLA	1	Chair of Ophthalmology	3	1
254	MSc, PhD	KASPRZYK	JÓZEF	1	Chair of Histology	34	
255	MSc, PhD	KASZUBA-ZWOIŃSKA	JOLANTA	1	Chair of Pathophysiology	1	
256	PROF. MD, PhD	KAWECKA-JASZCZ	KALINA	1	Institute of Cardiology	30	
257	MD, PhD	KAWIORSKI	WOJCIECH	1	I Chair of General Surgery	13	

258	MD	KACKA	KATARZYNA	0.50	Chair of Anesthes. & Intensive Care	1	
259	MD, PhD	KACKI	WOJCIECH	0.50	Chair of Orthopedic	1	
260	MPharm, PhD	KĘDRYNA	TERESA	1	Institute of Medical Biochemistry	35	
261	MSc, PhD	KĘDZERSKA	ANNA	1	Polish-American Inst. of Pediatrics	14	
262	MD	KIBIL	WOJCIECH	1	I Chair of General Surgery	2	
263	MD	KIERZKOWSKA	IZABELLA	1	Chair of Internal Med.&Gerontology	1	
264	MD, PhD	KIJOWSKI	JACEK	1	Polish-American Inst. of Pediatrics	2	
265	MD	KLEINROK	KRZYSZTOF	1	Chair of Radiology	11	1
266	MD, PhD	KLICH-RĄCZKA	ALICJA	1	Chair of Internal Med.&Gerontology	11	
267	MD, PhD, HAB	KLIMEK	MAREK	1	Chair of Gynecology & Obstetrics	16	
268	PROF. MD, PhD	KLIMEK	RUDOLF	0.50	Chair of Gynecology & Obstetrics	52	
269	MD, PhD	KLIMEK-PIOTROWSKA	WIESŁAWA	1	Chair of Anatomy	21	1
270	MD, PhD	KLUPA	TOMASZ	1	Chair of Metabolic Diseases	3	1
271	MD, PhD	KŁEK	STANISŁAW	1	I Chair of General Surgery	1	
272	PROF. MD, PhD	KŁYS	MAŁGORZATA	1	Chair of Forensic Medicine	19	1
273	MD	KNAPCZYK	MARTA	1	Chair of Gynecology & Obstetrics	11	
274	MD	KNUROWSKI	TOMASZ	1	Chair of Epidemiology & Preventive Med.	5	1
275	MD, PhD	KOBYLARZ	KRZYSZTOF	1	Chair of Anesthes. & Intensive Care	20	1
276	MD, PhD	KOBYLARZ	JOANNA	1	Chair of Ophthalmology	14	
277	MD	KOCHAN	PIOTR	1	Chair of Microbiology	1	1

278	MD, PhD HAB	KOLARZYK	EMILIA	1	Depart. of Hygiene & Ecology	22	1
279	MD, PhD HAB	KOLASIŃSKA-KLOCH	WŁADYSŁAWA	1	Institute of Cardiology	31	
280	MD	KOLAWA	WOJCIECH	1	Chair of Gynecology & Obstetrics	7	
281	MD	KOŁAKOWSKI	STANISŁAW	1	Chair of Psychiatry	26	
282	MD, PhD	KOŁCZ	JACEK	1	Polish-American Inst. of Pediatrics	3	
283	MD, PhD	KOŁODZIEJ	JAN	1	Chair of Forensic Medicine	39	
284	MD, PhD	KOŁODZIEJCZYK	PIOTR	1	I Chair of General Surgery	8	
285	MD, PhD	KOŁODZIEJSKI	LECH	1	Chair of Gynecology & Obstetrics	25	
286	MSc, PhD	KOMOROWSKA	ZOFIA	1	Chair of Histology	35	
287	MD, PhD	KONDURACKA	EWA	1	Institute of Cardiology	15	1
288	MD	KONIOR	MARCIN	1	Chair of Otolaryngology	2	1
289	MSc INŻ	KONONOWICZ	ANDRZEJ	1	Departm. of Bioinformatics & Telemed.	5 mies	
290	MD, PhD	KONOPKA	TOMASZ	1	Chair of Forensic Medicine	18	
291	MD, PhD	KONTUREK	ALEKSANDER	1	III Chair of General Surgery	10	
292	PROF. MD, PhD	KONTUREK	STANISŁAW	0,25	Chair of Physiology	51	1
293	MD, PhD	KOPEĆ	JERZY	1	Chair of Nephrology	24	1
294	MD, PhD	KORBUT	RENATA	1	Chair of Internal & Rural Med.	2	
295	PROF. MD, PhD	KORBUT	RYSZARD	1	Chair of Pharmacology	33	1
296	MD, PhD	KORDON	ZBIGNIEW	1	Polish-American Inst. of Pediatrics	16	1
297	MD, PhD	KORKOSZ	MARIUSZ	1	Depart. of Rheumatology & Balneology	13	1

298	MD, PhD	KOSMALA	JANIUSZ	1	Chair of Anatomy	10	
299	MD, PhD	KOSTKIEWICZ	MAGDALENA	1	Institute of Cardiology	25	
300	MD, PhD	KOSTYK	EWA	1	Polish-American Inst. of Pediatrics	19	
301	MD, PhD HAB	KOWALCZYK	MACIEJ	0,50	Polish-American Inst. of Pediatrics	5	
302	MD, PhD HAB	KOWALCZYK	DANIUTA	1	Polish-American Inst. of Pediatrics	28	1
303	MD, PhD	KOWALCZYK	BARTŁOMIEJ	0,25	Polish-American Inst. of Pediatrics	3	1
304	MD, PhD	KOWALSKA-DUPLAGA	KINGA	1	Polish-American Inst. of Pediatrics	7	1
305	MD, PhD	KOWALSKI	PIOTR	1	Chair of Forensic Medicine	2	
306	MD	KOWALSKI	ROBERT	1	II Chair of Internal Med.	0	
307	MD, PhD	KOZEK	ELZBIETA	1	Chair of Metabolic Diseases	28	
308	MD, PhD	KÓZKA	MARIUSZ	1	II Chair of General Surgery	25	
309	MD, PhD	KRASOWSKA-KWIECIEN	ALEKSANDRA	1	Polish-American Inst. of Pediatrics	4	
310	MD, PhD	KRAŚNIAK	ANDRZEJ	1	Chair of Nephrology	21	
311	MD	KRATOCHWIL	MARIAN	1	I Chair of General Surgery	7	
312	MD	KRAWCZYK	PAWEŁ	1	Chair of Anesthes. & Intensive Care	1	1
313	MD, PhD	KROBICKA	BARBARA	1	Polish-American Inst. of Pediatrics	10	1
314	MD, PhD	KROCZKA	SŁAWOMIR	1	Polish-American Inst. of Pediatrics	12	
315	MSc, PhD	KRÓL	MARCIN	1	Departm. of Bioinformatics & Telemed.	6	1
316	MD, PhD	KRÓLCZYK	GRZEGORZ	1	Chair of Pathophysiology	6	1
317	MD, PhD	KRÓLIKOWSKI	WIESŁAW	1	II Chair of Internal Med.	6	

318	MD, PhD	KRÓL-JAWIEŃ	WANDA	1	Polish-American Inst. of Pediatrics	27	
319	MD, PhD	KRUCZEK	PIOTR	1	Polish-American Inst. of Pediatrics	13	1
320	MD	KRUCZEK	ANNA	1	Polish-American Inst. of Pediatrics	10	1
321	MD	KRUPA	MARIUSZ	1	Inst. of Neurology	6	1
322	MD, PhD	KRUSZYNA	TOMASZ	1	I Chair of General Surgery	4	
323	MD, PhD	KRYGOWSKA-WAJS KRYJ-	ANNA	1	Inst. of Neurology	24	1
324	MD	RADZISZEWSKA	ELZBIETA	1	Chair of Internal Med. & Gerontology	8	1
325	MD, PhD	KRYSTA	MIROSLAW	1	Polish-American Inst. of Pediatrics	13	
326	MD, PhD	KRZANOWSKI KRZESIWO-	MAREK	1	II Chair of Internal Med.	14	
327	MD	STEMPAK	KATARZYNA	1	III Chair of General Surgery	9	
328	MD, PhD	KRZESOWIAK	JOLANTA	1	I Chair of General Surgery	16	
329	MD, PhD	KRZYCZKOWSKA- SENDRAKOWSKA	MAGDALENA	1	Chair of Gynecology & Obstetrics	24	
330	PROF. MD, PhD	KRZYSIEK	JÓZEF	1	Chair of Gynecology & Obstetrics	29	1
331	MD, PhD	KRZYSZKOWSKI	TADEUSZ	1	Inst. of Neurology	24	
332	MD	KRZYSZTOŃ	JANUSZ	0,50	Chair of Internal Med. & Gerontology	5	1
333	MD	KRZYWOŃ	JERZY	1	II Chair of General Surgery	8	1
334	MD, PhD	KRZYŻANOWSKA- KULA	TERESA	1	Chair of Anesthes. & Intensive Care	25	
335	MD, PhD, HAB	KUBATKO- ZIELINSKA	ANNA	1	Chair of Ophthalmology	24	
336	MD, PhD	KUBICKA-TRZAŚKA	AGNIESZKA	1	Chair of Ophthalmology	8	1
337	MD	KUBICZ	DARIUSZ	0,25	Chair of Histology	2	

338	MD, PhD	KUBICZEK	KRYSTYNA	1	Polish-American Inst. of Pediatrics	34	1
339	MD, PhD	KUBIK	ALICJA	1	Polish-American Inst. of Pediatrics	4	
340	MSc, PhD hab	KUCIEL	RADOSŁAWA	1	Institute of Medical Biochemistry	39	1
341	PROF. MD, PhD	KULIG	JAN	1	I Chair of General Surgery	32	
342	MD, PhD	KUMOROWICZ-KOPIEC	MAŁGORZATA	1	Polish-American Inst. of Pediatrics	13	1
343	MD, PhD HAB	KUNZ	JERZY	1	Chair of Forensic Medicine	30	1
344	MD, PhD	KUREK	STANISŁAW	1	Chair of Oncology	7	
345	MD	KURZAWA	RAFAL	1	Chair of Internal Med.&Gerontology	1	1
346	MD	KUSIONOWICZ	JACEK	1	Chair of Urology	8	
347	MSc	KUSIOR	DOROTA	1	Institute of Medical Biochemistry	8	
348	MSc, PhD	KUŚNIERZ-CABALA	BEATA	1	Chair of Clinical Biochemistry	3	
349	MD	KUŻMA	JACEK	1	Polish-American Inst. of Pediatrics	2	1
350	MD, PhD	KUŹNIEWSKI	MAREK	1	Chair of Nephrology	27	
351	MD, PhD	KWAŚNY-KROCHIN	BEATA	1	Depart. of Rheumatology & Balneology	13	1
352	MD	KWATER	ALEKSANDER	1	Chair of Internal Med.&Gerontology	4	
353	MD, PhD HAB	KWIATKOWSKI	STANISŁAW	1	Polish-American Inst. of Pediatrics	7	
354	MD, PhD	KWIECIEŃ	SŁAWOMIR	1	Chair of Physiology	5	
355	MD, PhD	KWIECIEŃ	NINA	1	Chair of Physiology	33	
356	MD, PhD	KWIECIEŃ-GŁOWACKA	EMILIA	1	Chair of Nephrology	34	
357	MD	KWIECIŃSKA	KINGA	1	Polish-American Inst. of Pediatrics	6	1

358	MD, PhD	KWINTA	PRZEMKO	1	Polish-American Inst. of Pediatrics	10	1
359	PROF. MD, PhD	LAIDLER	PIOTR	1	Institute of Medical Biochemistry	32	1
360	MD	LANGIE	TOMASZ	1	Chair of Anesthes. & Intensive Care	7	1
361	MD, PhD	LANKOSZ- LAUTERBACH	JANINA	1	Polish-American Inst. of Pediatrics	29	1
362	MD, PhD	LASKIEWICZ	JANUSZ	1	Chair of Pathophysiology	6	
363	PROF. MD, PhD	LAUTERBACH	RYSZARD	1	Chair of Gynecology & Obstetrics	12	
364	MD	LAZAR	AGATA	1	Chair of Pathomorphology	12	
365	MD, PhD	LEGUTKO	JACEK	1	Institute of Cardiology	6	
366	MD, PhD	LEGUTKO	JANUSZ	1	I Chair of General Surgery	34	
367	MD, PhD Hab	LEJMAN	WŁADYSŁAW	1	Chair of History of Medicine	34	
368	MD, PhD	LEJMAN	TADEUSZ	1	Polish-American Inst. of Pediatrics	30	
369	MD, PhD HAB	LELAKOWSKI	JACEK	1	Institute of Cardiology	23	
370	MSc, PhD	LEMAŃSKA LEPSZY-	DOROTA	1	Polish-American Inst. of Pediatrics	20	
371	MD	MUSZYŃSKA LESZYŃSKA- GOŁĄBEK	KATARZYNA	1	Chair of Anesthes. & Intensive Care	7	1
372	MD, PhD	LIPCZYŃSKI	IWONA	1	Chair of Clinical Biochemistry	9	1
373	MD, PhD	LIPCZYŃSKI	WACŁAW	1	Chair of Urology	12	
374	MD	LIPIK	EWA	0.50	Chair of Orthopedic	1	
375	MD	LIPIŃSKI	KRZYSZTOF	0.25	Chair of Histology	4	1
376	MD	LIPKO-GODLEWSKA	SYLWIA	1	Chair of Dermatology	3	1
377	DDS	LIPSKI	MARCIN	1	Chair of Anatomy	1	

378	MD, PhD	LIS	GRZEGORZ	1	Chair of Histology	14	1
379	MD, PhD HAB	LIS	GRZEGORZ	1	Polish-American Inst. of Pediatrics	21	1
380	MD	LISOWSKA- MISZCZYK	ILONA	1	Chair of Gynecology & Obstetrics	6	
381	PROF. MD, PhD	LITWIN	JAN	1	Chair of Histology	33	1
382	MD	LIZOŃ	JACEK	1	Chair of Anesthes. & Intensive Care	4	
383	MD	LOCH-BAKOŃSKA	LIDIA	1	Chair of Anesthes. & Intensive Care	7	
384	MD, PhD	LONGAWA	KRYSTYNA	1	Inst. of Neurology	23	
385	MD, PhD	LORENS	KRZYSZTOF	1	Chair of Physiology	12	
386	MD, PhD	LORKOWSKI	BARBARA	1	Chair of Pharmacology	2	
387	MD, PhD	LORKOWSKI	JACEK	0,50	Chair of Anatomy	1	1
388	MD	LOSTER	JAKUB	0,25	Chair of Histology	1	1
389	MD, PhD	LOSTER	ANTONINA	1	Chair of Gynecology & Obstetrics	20	
390	MD, PhD	LUBASZEWSKI LUCHTER-	WOJCIECH	1	Institute of Cardiology	16	
391	MSc, PhD hab	WASYLEWSKA	EWA	1	Institute of Medical Biochemistry	37	
392	MD	LUDWIN LUSZAWSKA-	ARTUR	1	Chair of Gynecology & Obstetrics	1	
393	MD, PhD	KUTRZEBA	TERESA	1	Polish-American Inst. of Pediatrics	2	
394	MSc	ŁAPICKA-BODZIOCH	KATARZYNA	0,75	Chair of Clinical Biochemistry	2	
395	PROF. MD, PhD	MACH	TOMASZ	1	Chair of Infectious Diseases & Hepatology	29	
396	PROF. MD, PhD	MACURA	ANNA	1	Chair of Microbiology	31	1
397	MD, PhD	MACURA-BIEGUN	ANNA	1	Polish-American Inst. of Pediatrics	7	

398	MD, PhD	MADEJ	JACEK	1	Chair of Gynecology & Obstetrics	16	
399	MD, PhD HAB	MAGDOŃ	MARZANNA	1	Chair of Clinical Biochemistry	38	
400	MD, PhD	MAJEWSKI	JACEK	1	Institute of Cardiology	8	1
401	MD, PhD	MAJKA	JOLANTA	1	Chair of Physiology	15	
402	MD, PhD	MAJKA	MARCIN	1	Polish-American Inst. of Pediatrics	2	
403	MD, PhD	MALCZEWSKA- MALEC	MAŁGORZATA	1	Chair of Clinical Biochemistry	6	1
404	PROF. MD, PhD	MALEC	EDWARD	1	Polish-American Inst. of Pediatrics	16	1
405	MD, PhD	MAŁECKA	BARBARA	1	Institute of Cardiology	16	1
406	MSc, PhD	MAŁECKI	JĘDRZEJ	1	Institute of Medical Biochemistry	1	1
407	MD, PhD HAB	MAŁECKI	MACIEJ	1	Chair of Metabolic Diseases	11	1
408	PROF. MD, PhD	MARCINKIEWICZ	JANUSZ	1	Chair of Immunology	29	1
409	MD, PhD	MARCINKIEWICZ	EWA	1	Chair of Pharmacology	30	1
410	MD, PhD	MAREK SZYDŁOWSKA	GRZEGORZ	1	Institute of Cardiology	19	1
411	MD, PhD	MARGAS	TERESA	1	Polish-American Inst. of Pediatrics	18	
412	MD, PhD	MARKIEWICZ	ANNA	1	Chair of Internal Med. & Gerontology	1	1
413	MD	MARKIEWICZ	JACEK	1	Chair of Ophthalmology	3	1
414	MD, PhD	MARMON	GRAZYNA	1	Chair of Dermatology	26	1
415	MA, PhD	MARTYNIAK	LUCYNA	1	Chair of Epidemiology & Preventive Med.	28	
416	MSc	MARTYNIAK	LUCYNA	1	Departm. of Bioinformatics & Telemed.	27	
417	MD, PhD HAB	MASTALERZ	LUCYNA	1	II Chair of Internal Med.	8	

418	MD, PhD	MATYJA	ANDRZEJ	1	I Chair of General Surgery	22	
419	MD, PhD	MAZANEK- MOŚCICKA	MONIKA	1	Chair of Gynecology & Obstetrics	13	
420	MD	MAZUR	MARCEL	1	Chair of Pathophysiology	2	1
421	MD, PhD	MĄDROSKIEWICZ	DOROTA	1	Chair of Infectious Dis. & Hepatology	11	
422	MD, PhD	MĄDROSKIEWICZ	EWA	1	Inst. of Neurology	32	
423	MD, PhD	MEJZA	FILIP	1	II Chair of Internal Med.	1	1
424	MSc, PhD	MICHALSKI	JÓZEF	1	Chair of Physiology	38	
425	MD, PhD	MIEŻYŃSKI	WITOLD	0.50	Polish-American Inst. of Pediatrics	1	
426	MD, PhD	MIEŻYŃSKI	ROBERT	1	Polish-American Inst. of Pediatrics	12	
427	MD, PhD	MIGDAŁ	MAŁGORZATA	1	Chair of Gynecology & Obstetrics	10	
428	MD, PhD	MILEWICZ	TOMASZ	1	Chair of Gynecology & Obstetrics	12	1
429	MD, PhD	MILEWSKI	MAMERT	1	II Chair of Internal Med.	11	1
430	PROF. MD, PhD	MIODOŃSKI	ADAM	1	Chair of Otolaryngology	36	1
431	PROF. MD, PhD	MIRECKA	JADWIGA	1	Chair of Histology	41	1
432	MD, PhD	MITKOWSKA	ZOFIA	1	Polish-American Inst. of Pediatrics	27	
433	MD, PhD	MIZIA	EWA	1	Chair of Anatomy	7	
434	MD, PhD	MODRZEJEWSKA- KUBIAK	RENATA	1	Chair of Psychiatry	16	1
435	MD, PhD HAB	MODRZEJEWSKI	MACIEJ	1	Chair of Otolaryngology	22	1
436	MD, PhD	MORASIEWICZ	JANUSZ	1	Chair of Psychiatry	1	
437	MD, PhD	MORYL- BUJAKOWSKA	ANGELINA	1	Polish-American Inst. of Pediatrics	4	1

438	MD, PhD HAB	MOSKAŁA	MAREK	1	Inst. of Neurology	25	
439	MD	MROCZEK	TOMASZ	1	Polish-American Inst. of Pediatrics	2	
440	MD	MROZEK	BARBARA	1	Chair of Anesthes. & Intensive Care	22	
441	MD, PhD	MROZEK-BUDZYN	DOROTA	0.50	Chair of Epidemiology & Preventive Med.	1	
442	MD, PhD	MULLER	PIOTR	1	Chair of Anesthes. & Intensive Care	20	1
443	PROF. MD, PhD	MUSIAL	JACEK	1	II Chair of Internal Med.	32	1
444	MD, PhD	MUSIAL	AGATA	1	Chair of Anatomy	10	
445	MD, PhD	MUSZYŃSKI	PIOTR	1	Chair of Otolaryngology	10	1
446	MD	NADURSKI	PATRYCJUSZ	1	Chair of Anatomy	1	
447	MD	NARZEWSKA-SZCZEPANIK	MONIKA	1	Chair of Radiology	1	
448	PROF. MD, PhD	NASKALSKI	JERZY	1	Chair of Clinical Biochemistry	44	1
449	MD, PhD	NAZIM	JOANNA	1	Polish-American Inst. of Pediatrics	13	1
450	MD, PhD	NESSLER	BOHDAN	1	Institute of Cardiology	8	
451	MD, PhD	NESSLER	JADWIGA	1	Institute of Cardiology	13	
452	MD	NIEZABITOWSKI	PAWEL	0.50	Chair of Pharmacology	12	
453	PROF. MD, PhD	NIZANKOWSKA-MOGILNICKA	EWA	1	II Chair of Internal Med.	32	1
454	MD, PhD HAB	NIZANKOWSKI	RAFAŁ	1	II Chair of Internal Med.	19	1
455	MD, PhD	NOWAK	MARCIN	1	III Chair of General Surgery	1	
456	MD, PhD	NOWAK	WIESŁAW	1	Chair of Hematology	8	
457	MD	NOWAK	ŁUKASZ	1	Chair of Pathophysiology	3	

468	PROF. MD, PhD	NOWAK	WOJCIECH	1	Chair of Anatomy	30	
469	MD, PhD	NOWAK	JOLANTA	1	Chair of Anesthes. & Intensive Care	25	
460	MPharm, PhD	NOWAK	JACEK	1	Polish-American Inst. of Pediatrics	26	1
461	MD	NOWAKOWSKI	MICHAŁ	1	III Chair of General Surgery	4	1
462	MD	OBTUŁOWICZ	ALEKSANDER	0,50	Chair of Dermatology	4	1
463	PROF. MD, PhD	OBTUŁOWICZ	KRYSTYNA	1	Chair of Toxicology	34	1
464	MD	OBUCHOWICZ	RAFAŁ	1	Chair of Physiology	4	
465	MD, PhD HAB	ODROWĄŻ-PIENIAŻEK	PIOTR	1	Institute of Cardiology	8	
466	MD, PhD	OKOŃ	KRZYSZTOF	1	Chair of Pathomorphology	11	1
467	MD, PhD	OLSZANECKI	RAFAŁ	1	Chair of Pharmacology	4	1
468	PROF. MD, PhD	OLSZEWSKI	EUGENIUSZ	0,13	Chair of Otolaryngology	48	1
469	MSc, PhD	OLSZOWSKA	EWA	1	Institute of Medical Biochemistry	27	
470	MD, PhD	OLSZOWSKA	MARIA	1	Institute of Cardiology	23	
471	MSc, PhD	OLSZOWSKI	ŚLAWOMIR	1	Institute of Medical Biochemistry	23	1
472	MD	OPŁAWSKI	MARCIN	1	Chair of Gynecology & Obstetrics	2	
473	MSc, PhD	OPOLSKA-BOGUSZ	BARBARA	1	Chair of Forensic Medicine	35	
474	MD, PhD	ORLICKI	PAWEŁ	1	III Chair of General Surgery	17	
475	MD, PhD	ORSKI	JACEK	1	Chair of Internal Med. & Gerontology	19	
476	MD, PhD	ORTYL	EWA	1	Chair of Ophthalmology	12	1
477	PROF. MD, PhD	ORWID	MARIA	0,13	Chair of Psychiatry	51	

478	MSc	OSTACHOWSKA- GAŚIOR	AGNIESZKA	1	Depart. of Hygiene & Ecology	5	1
479	MSc	OSTROWSKA	BARBARA	1	Institute of Medical Biochemistry	8	
480	MD, PhD	OSUCH	CZESŁAW	1	I Chair of General Surgery	11	
481	MD, PhD	OWCZAREK	DANUTA	1	Chair of Infectious Dis. & Hepatology	2	
482	MD, PhD	PABIAN	WOJCIECH	1	Chair of Gynecology & Obstetrics	14	
483	MD, PhD	PACH	DOROTA	1	Chair of Endocrinology	12	
484	PROF. MD, PhD	PACH	JANUSZ	1	Chair of Toxicology	45	
485	MD	PACIOREK	ANNA	1	Chair of Radiology	1	
486	MD, PhD	PAJDO	ROBERT	1	Chair of Physiology	1	
487	MD	PALKA	MAŁGORZATA	0,50	Chair of Internal Med. & Gerontology	7	1
488	MD, PhD HAB	PANEK	JÓZEFA	1	II Chair of General Surgery	31	
489	MD, PhD	PAPLA	BOLESŁAW	0,50	Chair of Pathomorphology	40	1
490	MD, PhD	PARADOWSKI	ANDRZEJ	1	Institute of Cardiology	18	
491	MD, PhD	PARTYKA	ŁUKASZ	1	Chair of Clinical Biochemistry	9	1
492	MD, PhD	PARUCH	KRYSTYNA	1	Polish-American Inst. of Pediatrics	26	
493	MD, PhD	PASOWICZ	MIECZYSLAW	0,50	Institute of Cardiology	4	
494	MD, PhD	PATLA	ANNA	1	Chair of Oncology	2	
495	PROF. MD, PhD	PAWŁĘGA	JANUSZ	1	Chair of Oncology	8	1
496	PROF. MD, PhD	PAWLICKI	ROMAN	1	Chair of Histology	42	
497	MD, PhD	PAWLIK	DOROTA	1	Chair of Gynecology & Obstetrics	18	

498	MD, PhD	PAWLIK	TERESA	1	Chair of Internal Med.&Gerontology	16	
499	MD, PhD	PAWLIK	MICHAŁ	1	Chair of Physiology	1	
500	MD, PhD	PAWLIK	WIESŁAW	1	Chair of Radiology	13	
501	PROF. MD, PhD	PAWLIK	WIESŁAW	1	Chair of Physiology	40	1
502	MPHarm, PhD	PAWLIK	BOLESŁAW	1	Chair of Microbiology	39	
503	MSc	PENAR	AGNIESZKA	1	Chair of Epidemiology & Preventive Med.	2	1
504	MD, PhD	PETKOW-DIMITROW	PAWEŁ	1	Institute of Cardiology	11	
505	MD, PhD, HAB	PFITZNER PIĄTKOWSKA- JAKUBAS	ROMAN	1	Institute of Cardiology	23	1
506	MD, PhD	JAKUBAS	BEATA	1	Chair of Hematology	13	1
507	MD	PICHÓR	ANNA	0,25	Chair of Histology	2	1
508	MD, PhD	PIECZARKOWSKI	STANISŁAW	1	Polish-American Inst. of Pediatrics	5	1
509	MSc, PhD	PIEKARSKA	BARBARA	1	Institute of Medical Biochemistry	20	1
510	PROF. MD, PhD	PIEKOSZEWSKI	WOJCIECH	1	Chair of Toxicology	3	1
511	MSc, PhD	PIERZCHALSKI	PIOTR	1	Chair of Physiology	8	
512	MD	PIETRASZKO	WOJCIECH	1	Inst. of Neurology	1	1
513	MSc, PhD	PIETRZYK	AGATA	1	Chair of Microbiology	14	1
514	MD, PhD, HAB	PIETRZYK	JACEK	1	Polish-American Inst. of Pediatrics	27	1
515	PROF. MD, PhD	PIETRZYK	JACEK	1	Polish-American Inst. of Pediatrics	34	1
516	MD, PhD	PILECKI PITUCH-	MACIEJ	1	Chair of Psychiatry	8	1
517	MD, PhD, HAB	NOWOROLSKA	ANNA	1	Polish-American Inst. of Pediatrics	10	1

518	MD, PhD	PITYŃSKI	KAZIMIERZ	1	Chair of Gynecology & Obstetrics	20	
519	PROF. MD, PhD	PIWOWARSKA	WIESŁAWA	1	Institute of Cardiology	35	
520	MSc	PLACHA PLACZKIEWICZ-	WOJCIECH	1	Institute of Medical Biochemistry	10	
521	MD, PhD	JANKOWSKA	EWA	1	Chair of Endocrinology	4	1
522	MD, PhD, HAB	PODOLEC	PIOTR	1	Institute of Cardiology	22	1
523	MD	PODSIADKO PODSIADKO-	LILIANNA	1	Chair of Radiology	6	1
524	MD, PhD	KLEINROK	BEATA	1	Chair of Radiology	22	
525	MD, PhD	PODZIORYNY	HENRYK	1	Chair of Anesthes. & Intensive Care	18	
526	MD, PhD	POGAN	ANNA	1	Polish-American Inst. of Pediatrics	9	1
527	MD, PhD	POGRZEBIELSKI	ARKADIUSZ	1	Chair of Ophthalmology	4	1
528	MD, PhD	POLEWKA	ANDRZEJ	0.50	Chair of Toxicology	5 mies	
529	MD, PhD	POPIELA	TADEUSZ	1	I Chair of General Surgery	9	1
530	PROF. MD, PhD	POPIELA	TADEUSZ	0.50	I Chair of General Surgery	50	
531	MD	POPIELA	WOJCIECH	1	Chair of Anesthes. & Intensive Care	27	
532	MD, PhD	POPIELSKI	LEON	1	Chair of Otolaryngology	31	1
533	MD, PhD	PORĘBSKI	GRZEGORZ	0.50	Chair of Toxicology	1	1
534	MD, PhD	POTOCZEK	ANNA	1	Chair of Psychiatry	4	1
535	MD, PhD	POŹNICZEK	MAREK	1	II Chair of General Surgery	33	
536	PROF. MD, PhD	PRYJMA	JULIUSZ	0.25	Polish-American Inst. of Pediatrics	5	
537	MD	PRZEKLASA	ROBERT	1	Chair of Otolaryngology	5	

538	MD, PhD	PRZEKLASA-MUSZYŃSKA	ANNA	1	Chair of Anesthes. & Intensive Care	9	
539	MD, PhD HAB	PRZEWŁOCKI	TADEUSZ	1	Institute of Cardiology	6	
540	MD, PhD	PRZYBYLIK-MAZUREK	ELWIRA	1	Chair of Endocrinology	19	
541	MD, PhD	PRZYBYŁOWSKI	PIOTR	1	Institute of Cardiology	10	1
542	MD, PhD	PRZYBYSZEWSKA	KATARZYNA	1	Polish-American Inst. of Pediatrics	16	
543	MD	PRZYBYSZOWSKI	MILOSZ	1	Polish-American Inst. of Pediatrics	3	1
544	MSc, PhD	PTAK	MARIA	1	Chair of Immunology	25	
545	MD, PhD	PTAK-BELOWSKA	AGATA	1	Chair of Physiology	3	
546	MD, PhD HAB	PUCHAŁA	JACEK	1	Polish-American Inst. of Pediatrics	11	
547	MSc	PYRCZAK	WIESLAW	1	Departm. of Bioinformatics & Telemed.	1	
548	MD, PhD	RADKO	WOJCIECH	1	Polish-American Inst. of Pediatrics	28	
549	MD	RADZISZEWSKA	RENATA	1	Chair of Gynecology & Obstetrics	5	
550	MD	RADZYMIŃSKA-GADEK	BEATA	0,50	Polish-American Inst. of Pediatrics	5	
551	MD, PhD	RAJZER	MAREK	1	Institute of Cardiology	9	
552	MD	RAJZER	LIDIA	1	Chair of Dermatology	3	
553	MD	RAPACZ-TOMASIK	MAŁGORZATA	1	Chair of Urology	1	
554	PROF. MD, PhD	RATAJCZAK	MARIUSZ	1	Polish-American Inst. of Pediatrics	1	
555	MD, PhD HAB	REMBIASZ	KAZIMIERZ	1	II Chair of General Surgery	27	
556	MD	RENCZYŃSKA	MONIKA	1	Chair of Radiology	7	
557	MD, PhD HAB	RERON	ALFRED	1	Chair of Gynecology & Obstetrics	38	1

558	PROF. MD, PhD	RON	ELBIETA	1	Chair of Otolaryngology	35	1
559	MD	RE	FILIP	1	III Chair of General Surgery	8	
560	MD, PhD	REWER	ANETA	1	Chair of Psychotherapy	2	
561	MD, PhD HAB	RICHTER	PIOTR	1	I Chair of General Surgery	17	
562	MD	ROBAK	JOLANTA	1	Chair of Psychiatry	7	
563	MD, PhD	ROGATKO	IWONA	1	Polish-American Inst. of Pediatrics	11	
564	MD, PhD	ROGULA	TOMASZ	1	III Chair of General Surgery	11	
565	PROF. MD, PhD	ROKITA	EUGENIUSZ	1	Chair of Physiology	6	1
566	MSc	ROMANISZYN ROMANOWSKA- DIXON	DOROTA	1	Chair of Microbiology	8	
567	MD, PhD HAB		BOZENA	1	Chair of Ophthalmology	20	1
568	MD, PhD	ROSTWOROWSKA ROTHERMAN-	MARIA	1	Chair of Psychiatry	18	
569	PROF. MD, PhD	KONIECZNA	IRENA	1	Departm. of Bioinformatics & Telemed.	30	1
570	MD, PhD	RÓG	TERESA	1	Inst. of Neurology	21	
571	MD, PhD	RÓG-GROCHOWSKA	ELBIETA	1	Polish-American Inst. of Pediatrics	32	
572	MD, PhD	RUDNICKA-SOSIN	LUCYNA	1	Chair of Pathomorphology	11	1
573	MD, PhD	RUDZIŃSKI	PAWEŁ	1	Institute of Cardiology	10	1
574	MD, PhD HAB	RUDZIŃSKI	ANDRZEJ	1	Polish-American Inst. of Pediatrics	33	1
575	MD, PhD	RUDZKI	ZBIGNIEW	1	Chair of Pathomorphology	13	1
576	MD, PhD	RUTKOWSKI	KRZYSZTOF	1	Chair of Psychiatry	11	1
577	MD	RYMARCZYK	ADRIAN	0,50	Chair of Orthopedic	1	

578	PROF. MD, PhD	RYN	ZDZISŁAW	1	Chair of Psychiatry	31	
579	MD, PhD	RYTLEWSKI RZEPECKA-	KRZYSZTOF	1	Chair of Gynecology & Obstetrics	25	
580	MD, PhD	WĘGLARZ RZEPECKA-	BEATA	1	Chair of Gynecology & Obstetrics	11	
581	MD	WOŹNIAK	EWA	1	Chair of Forensic Medicine	8	1
582	MD, PhD	SACHA	TOMASZ	1	Chair of Hematology	12	1
583	PROF. MD, PhD	SADOWSKI	JERZY	1	Institute of Cardiology	25	
584	MSc, PhD	SALAMANCZUK	ZORIANA	1	Chair of Hematology	1 mies	
585	MD	SALAŃKOWSKI	ANDRZEJ	1	Chair of Internal Med.&Gerontology	1	
586	MD, PhD HAB	SANAK	MAREK	1	II Chair of Internal Med.	9	1
587	MD, PhD HAB	SANCEWICZ-PACH	KRYSTYNA	1	Polish-American Inst. of Pediatrics	38	
588	MSc INŻ.	SARAPATA	KRZYSZTOF	1	Departm. of Bioinformatics & Telemed.	1	
589	MD	SAWIEC	PIOTR	1	Polish-American Inst. of Pediatrics	1	1
590	MD	SCHMIDT-POPUŁA	MARIA	1	Chair of History of Medicine	29	
591	MD	SEBASTIANOWICZ	PIOTR	0,50	Chair of Orthopedic	1	
592	MD, PhD	SENDUR	RYSZARD	1	Chair of Physiology	30	
593	MD, PhD	SEREDNICKI	WOJCIECH	1	Chair of Anesthes. & Intensive Care	8	
594	MD, PhD	SETKOWICZ	MAŁGORZATA	1	Chair of Dermatology	7	
595	PROF. MD, PhD	SĘDZIWIY	LUDWIK	0,13	Institute of Cardiology	5	
596	MD, PhD	SIEDLAR SIENKIEWICZ-	MACIEJ	1	Polish-American Inst. of Pediatrics	15	1
597	MD	ZAWILIŃSKA	JUSTYNA	1	Chair of Anatomy	1	

598	PROF. MD, PhD	SIERADZKI	JACEK	1	Chair of Metabolic Diseases	34	
599	MD	SIERŻĘGA	MAREK	1	I Chair of General Surgery	2	
600	MD, PhD	SIEWIERSKA	MAŁGORZATA	1	Chair of Microbiology	9	1
601	MD, PhD	SKALSKA	ANNA	1	Chair of Internal Med. & Gerontology	11	1
602	PROF. MD, PhD	SKŁADZIEN	JACEK	1	Chair of Otolaryngology	26	1
603	MD, PhD	SKOCZEŃ	SZYMON	1	Polish-American Inst. of Pediatrics	10	1
604	MD, PhD	SKOP	AGATA	1	Depart. of Hygiene & Ecology	1	1
605	PROF. MD, PhD	SKOTNICKI	ALEKSANDER	1	Chair of Hematology	32	1
606	MD, PhD	SKOTNICZNY	KRZYSZTOF	1	Chair of Gynecology & Obstetrics	11	
607	MSc, PhD	SKRZAT	JANUSZ	1	Chair of Anatomy	13	1
608	MD, PhD	SKUCIŃSKI	JERZY	1	I Chair of General Surgery	15	
609	MD, PhD	SKWARA	PAWEŁ	1	Chair of Infectious Dis. & Hepatology	11	1
610	MD, PhD	SŁADEK	MAŁGORZATA	1	Polish-American Inst. of Pediatrics	11	1
611	PROF. MD, PhD	SŁADEK	KRZYSZTOF	1	II Chair of Internal Med.	20	1
612	MSc, PhD	SŁODOWSKA-HAJDUK	ZOFIA	1	Chair of Pathophysiology	19	
613	MD, PhD	SŁOWIK	AGNIESZKA	1	Inst. of Neurology	16	1
614	MD	SMĘDER	KATARZYNA	1	III Chair of General Surgery	2	
615	MD, PhD	SOBAŃSKI	JERZY	1	Chair of Psychotherapy	2	1
616	MD, PhD	SOBCZYK-KRUPIARZ	IWONA	1	Chair of Infectious Dis. & Hepatology	8	
617	MD, PhD	SOBOCKI	JACEK	1	III Chair of General Surgery	1	1

618	MSc	SOCHACKA-TATARA	ELŻBIETA	1	Chair of Epidemiology & Preventive Med.	2	
619	MD, PhD	SOJA	JERZY	1	II Chair of Internal Med.	14	1
620	MD, PhD	SOKOŁOWSKA-KOZUB	TERESA	1	Chair of Anesthes. & Intensive Care	31	
621	MD, PhD	SOLECKI	RAFAL	1	I Chair of General Surgery	4	1
622	MD, PhD	SOLNICA	BOGDAN	1	Chair of Clinical Biochemistry	12	1
623	MD, PhD HAB	SPODARYK	MIKOŁAJ	1	Polish-American Inst. of Pediatrics	16	
624	MD, PhD	SPÓLNIK	PAWEŁ	1	Institute of Medical Biochemistry	1	
625	MD, PhD	STACHURA	KRZYSZTOF	1	Inst. of Neurology	21	1
626	PROF. MD, PhD	STACHURA	JERZY	1	Chair of Pathomorphology	43	1
627	MSc, PhD	STANISZ-WALLIS	KRYSTYNA	1	Departm. of Bioinformatics & Telemed.	27	
628	MSc, PhD	STANUCH	HELENA	1	Departm. of Bioinformatics & Telemed.	29	
629	PROF. MD, PhD	STARZYCKA	MARIA	0.50	Chair of Ophthalmology	43	1
630	MD, PhD	STARZYCKA-BIGAJ	EWA	1	Chair of Ophthalmology	10	1
631	MD, PhD HAB	STARZYK	JERZY	1	Polish-American Inst. of Pediatrics	16	1
632	MD, PhD	STARZYK-RAŁOWSKA	DOROTA	1	Chair of Pharmacology	4	
633	MD	STEC	ZOFIA	1	Polish-American Inst. of Pediatrics	8	
634	MD, PhD	STECZKO	ANDRZEJ	1	Chair of Otolaryngology	7	1
635	DR HAB.N.P	STELMASZYŃSKA-ZGLICZYŃSKA	TERESA	1	Institute of Medical Biochemistry	45	
636	MD, PhD	STOBIECKI	MARCIN	1	Chair of Toxicology	9	1
637	MA, PhD	STOLARSKA	DOROTA	1	Chair of Psychotherapy	14	

638	MD, PhD HAB	STOMPÓR	TOMASZ	1	Chair of Nephrology	12	1
639	MSc, PhD	STOPA	BARBARA	1	Institute of Medical Biochemistry	12	1
640	MD	STRACH	MAGDALENA	1	Chair of Internal Med. & Gerontology	3	1
641	MD, PhD HAB	STRĘK	PAWEŁ	1	Chair of Otolaryngology	19	1
642	MD, PhD	STRZAŁKA	MARCIN	1	II Chair of General Surgery	2	1
643	MD	SULIŚLAWSKI	JANUSZ	0,25	Polish-American Inst. of Pediatrics	1	
644	PROF. MD, PhD	SUŁOWICZ	WŁADYSŁAW	1	Chair of Nephrology	24	1
645	MD, PhD HAB	SURDACKI	ANDRZEJ	1	Institute of Cardiology	16	
646	MD	SUFOWIEC	JAROSŁAW	1	Chair of Microbiology	1	
647	MD	SZAFIRSKA	MAŁGORZATA	1	Chair of Radiology	7	
648	MD, PhD	SZAFLARSKA	ANNA	1	Polish-American Inst. of Pediatrics	2	1
649	MD, PhD	SZCZEKLIK	WOJCIECH	1	II Chair of Internal Med.	1	1
650	MD, PhD Hab	SZCZEKLIK	JERZY	1	Chair of Toxicology	39	
651	PROF. MD, PhD	SZCZEKLIK	ANDRZEJ	1	II Chair of Internal Med.	33	
652	MD, PhD	SZCZEPANEK	MAŁGORZATA	1	Chair of Infectious Dis. & Hepatology	1	1
653	MD, PhD	SZCZEPANIK	ANTONI	1	I Chair of General Surgery	8	
654	MD, PhD	SZCZEPAŃSKI	WOJCIECH	1	Chair of Pathomorphology	27	1
655	PROF. MD, PhD	SZCZUDLIK	ANDRZEJ	1	Inst. of Neurology	12	1
656	MD, PhD	SZCZUDRAWA	ANDRZEJ	1	Chair of Gynecology & Obstetrics	28	
657	MD, PhD	SZLACHCIC	ALEKSANDRA	1	Chair of Physiology	13	

658	MSc, PhD	SZLACHCIC	ANDRZEJ	1	Chair of Physiology	33	1
659	MD	SZNAJD	JAN	1	II Chair of Internal Med.	2	1
660	MSc, PhD	SZOSTEK	SŁAWA	1	Chair of Microbiology	19	
661	MD, PhD	SZOT	WOJCIECH	1	Depart. of Hygiene & Ecology	4	1
662	MD, PhD	SZPANOWSKA- WOHN	AGNIESZKA	1	Depart. of Hygiene & Ecology	6	
663	PROF. MD, PhD	SZTEFKO	KRYSTYNA	1	Polish-American Inst. of Pediatrics	25	1
664	MD, PhD	SZTUJ	STANISŁAW	1	Chair of Radiology	13	
665	MD, PhD	SZULEWSKI	PAWEŁ	1	Chair of Infectious Dis. & Hepatology	7	
666	MD	SZUMILAS	ZBIGNIEW	1	Polish-American Inst. of Pediatrics	30	
667	MD, PhD	SZURA	MIROSLAW	1	I Chair of General Surgery	8	
668	MD, PhD	SZURKOWSKA	MAGDALENA	1	Chair of Endocrinology	20	
669	MD	SZWAJCA	KRZYSZTOF	1	Chair of Psychiatry	4	
670	MD, PhD	SZYBIŃSKI	PIOTR	1	I Chair of General Surgery	4	
671	PROF. MD, PhD	SZYBIŃSKI	ZBIGNIEW	0.50	Chair of Endocrinology	52	1
672	MD, PhD	ŚLEDZIOWSKI	PAWEŁ	1	Chair of Hematology	8	1
673	MD, PhD	ŚLIWA	TOMASZ	1	Chair of Internal & Rural Med.	10	
674	MD, PhD	ŚLIWIŃSKA	ANNA	1	Chair of Gynecology & Obstetrics	23	
675	MD, PhD	ŚLIWOWSKI	ZBIGNIEW	1	Chair of Physiology	10	
676	MD, PhD	SNIEZEK- MACIEJEWSKA	MARIA	1	Institute of Cardiology	32	1
677	MD	ŚRODEK	ROBERT	1	Chair of Anatomy	21	

678	PROF. MD, PhD	ŚRÓDKA ŚWIERCZYŃSKA- KRĘPA	ANDRZEJ	0,75	Chair of History of Medicine	4	
679	MD, PhD		MONIKA	1	II Chair of Internal Med.	4	1
680	MD, PhD	ŚWIERSZCZ	JOLANTA	0,25	Chair of Histology	3	1
681	MD, PhD	TABOR	JACEK	1	I Chair of General Surgery	5	1
682	DR N.FIZ.	TABOR	ZBISŁAW	1	Chair of Physiology	1	
683	DR N.FIZ.	TATOŃ	GRZEGORZ	1	Chair of Physiology	7	1
684	MD	TELESIŃSKA- JASIOŃKA	DOROTA	1	Chair of Internal Med.&Gerontology	1	
685	MD, PhD	TEŚCIOROWSKI	MACIEJ	1	Chair of Orthopedic	1	
686	MD, PhD	TEJNOWSKI	JACEK	1	Chair of Infectious Dis. & Hepatology	21	
687	PROF. MD, PhD	THOR	PIOTR	1	Chair of Pathophysiology	24	1
688	PROF. MD, PhD	TOBIASZ-ADAMCZYK	BEATA	1	Chair of Epidemiology & Preventive Med.	35	1
689	MD, PhD	TOMASIK	TOMASZ	1	Chair of Internal Med.&Gerontology	7	
690	MD, PhD	TOMASIK	PRZEMYSŁAW	1	Polish-American Inst. of Pediatrics	13	1
691	MD	TOMASIK	TOMASZ	1	Polish-American Inst. of Pediatrics	11	1
692	MD, PhD	TOMASZCZYK	BARBARA	1	Chair of Gynecology & Obstetrics	33	
693	MD, PhD HAB	TOMASZEWSKA	ROMANA	1	Chair of Pathomorphology	27	1
694	MD, PhD	TOMASZEWSKA	BEATA	1	Chair of Gynecology & Obstetrics	2	
695	MD, PhD	TOMIK	BARBARA	1	Inst. of Neurology	18	1
696	MD, PhD	TOMIK	JERZY	1	Chair of Otolaryngology	14	1
697	PROF. MD, PhD	TRACZ	WIESŁAWA	1	Institute of Cardiology	25	

698	MD, PhD	TRĄBKA-JANIK	ELŻBIETA	1	Inst. of Neurology	8	1
699	MSc	TREGER	BARTOSZ	0,38	Chair of Psychiatry	1	
700	PROF. MD, PhD	TRELA	FRANCISZEK	0,50	Chair of Forensic Medicine	42	
701	MD, PhD	TROFIMIUK	MAŁGORZATA	0,50	Chair of Endocrinology	2	1
702	MD, PhD	TRYBUS	JERZY	1	Chair of Anesthes. & Intensive Care	19	1
703	MD, PhD	TRYBUS	MAREK	1	II Chair of General Surgery	17	
704	MD, PhD	TRZNADEL-MORAWSKA	IWONA	1	Chair of Metabolic Diseases	9	
705	MD	TRZOS	ARKADIUSZ	1	Chair of Anesthes. & Intensive Care	9	1
706	MD, PhD	TULEJA	EWA	0,75	II Chair of Internal Med.	2	
707	MD, PhD	TURAJ	WOJCIECH	1	Inst. of Neurology	3	1
708	MD, PhD	TYRAK	JERZY	1	Chair of Anesthes. & Intensive Care	14	
709	MD, PhD	UHL	HENRYKA	1	Inst. of Neurology	32	
710	MD, PhD HAB	UNDAS	ANETTA	0,25	II Chair of Internal Med.	8	
711	MD, PhD HAB	URACZ	WOJCIECH	1	Chair of Pharmacology	22	
712	MD, PhD HAB	URBANIK	ANDRZEJ	1	Chair of Radiology	12	1
713	PROF. MD, PhD	URBANOWICZ	WIESLAW	1	Polish-American Inst. of Pediatrics	20	
714	MD, PhD	URBANCZYK	KATARZYNA	1	Chair of Pathomorphology	18	
715	MD, PhD	WALAS	IMARIA	1	Chair of Metabolic Diseases	30	
716	MD, PhD	WALASEK	TOMASZ	0,50	Chair of Anatomy	11	
717	MD, PhD	WALOCHA	JERZY	1	Chair of Anatomy	13	1

718	MD, PhD	WAŁĘGA	PIOTR	1	III Chair of General Surgery	4	
719	MD, PhD	WARUNEK	WIOLETA	1	Chair of Infectious Dis. & Hepatology	18	1
720	MD, PhD	WARZECHA	ZYGMUNT	1	Chair of Physiology	21	
721	MD, PhD	WASIECZKO	ANDRZEJ	1	Chair of Psychiatry	17	
722	MD, PhD	WACHOL	DARIUSZ	1	I Chair of General Surgery	7	
723	MD, PhD	WAŚ	KAZIMIERZ	1	Chair of Gynecology & Obstetrics	27	
724	MD, PhD	WAŚOWICZ WEREWIKA-	MARCIN	1	Chair of Anesthes. & Intensive Care	4	1
725	MD	MACZUGA	AGNIESZKA	1	Chair of Radiology	4	
726	MD	WERYŃSKI	PIOTR	1	Polish-American Inst. of Pediatrics	4	1
727	MD, PhD	WĘDRYCHOWICZ	ANDRZEJ	1	Polish-American Inst. of Pediatrics	1	1
728	MD, PhD	WĘDRYCHOWICZ	ANNA	1	Polish-American Inst. of Pediatrics	4	1
729	MD	WĘGRZYN	JOANNA	1	Chair of Hematology	3	1
730	MD	WIATR	MACIEJ	1	Chair of Otolaryngology	1	1
731	MD, PhD	WICHEREK	ŁUKASZ	1	Chair of Gynecology & Obstetrics	5	
732	MD, PhD	WIDELSKA	KINGA	1	Chair of Psychiatry	9	
733	MD	WIELOWIEYSKA- SZYBIŃSKA	DOROTA	1	Chair of Dermatology	7	1
734	MD, PhD	WIERZBIKI	KAROL	1	Institute of Cardiology	3	
735	MD, PhD	WIERZCHOWSKA- SŁOWIACZEK	EWA	1	Polish-American Inst. of Pediatrics	23	1
736	MD, PhD	WIERZCHOWSKI	WOJCIECH	1	Chair of Pathomorphology	28	
737	MD, PhD	WINDAK	ADAM	1	Chair of Internal Med. & Gerontology	13	1

738	MD, PhD	WINIARSKI	MAREK	1	II Chair of General Surgery	6	1
739	MD, PhD	WINIARSKI	ALEKSANDER	0,50	Chair of Orthopedic	2 mies	
740	MD	WINNIK	LIDIA	1	Chair of Toxicology	2	1
741	MSc, PhD	WITALIS	JADWIGA	1	Chair of Microbiology	2	
742	MD, PhD	WITKOWSKA- MAŃKO	RENATA	1	Chair of Anesthes. & Intensive Care	25	
743	MD, PhD	WIZNER	BARBARA	1	Chair of Internal Med.&Gerontology	3	
744	MPharm, PhD hab	WŁODEK	LIDIA	1	Institute of Medical Biochemistry	39	
745	MD, PhD HAB	WOJAS-PELC	ANNA	1	Chair of Dermatology	11	1
746	MD, PhD	WOJCIECHOWSKI	PIOTR	1	Polish-American Inst. of Pediatrics	11	1
747	MD, PhD	WOLSKA-SMOLEŃ	TERESA	1	Chair of Hematology	22	1
748	MD, PhD	WOŁKOW	PAWEŁ	1	Chair of Pharmacology	10	1
749	PROF. MD, PhD	WORDLICZEK	JERZY	1	Chair of Anesthes. & Intensive Care	26	1
750	MPharm, PhD	WOROŃ	JAROSŁAW	0,25	Chair of Pharmacology	1	
751	MD, PhD	WOŹNIAK	KRZYSZTOF	1	Chair of Forensic Medicine	13	1
752	MD	WÓJCIK	MAŁGORZATA	1	Chair of Hematology	8	
753	MSc, PhD hab	WRÓBEL	MARIA	1	Institute of Medical Biochemistry	27	1
754	MSc, PhD	WYBRANŃSKA	IWONA	1	Chair of Clinical Biochemistry	12	1
755	MD, PhD	WYSOCKA	TERESA	1	Chair of Anesthes. & Intensive Care	7	
756	PROF. MD, PhD	WYSOCKI	ANDRZEJ	1	II Chair of General Surgery	38	
757	MD, PhD	ZACHWIEJA	KATARZYNA	1	Polish-American Inst. of Pediatrics	3	1

758	MD, PhD	ZAJAC	ALEKSANDER	1	I Chair of General Surgery	27	
759	MD	ZAJAC	ANNA	1	Polish-American Inst. of Pediatrics	1	1
760	MD, PhD	ZAJAC	KRZYSZTOF	1	Chair of Anesthes. & Intensive Care	25	1
761	MD, PhD	ZAJAC	MAŁGORZATA	1	Chair of Anesthes. & Intensive Care	25	
762	MD, PhD	ZARYCHTA	JACEK	1	II Chair of Internal Med.	12	
763	MD, PhD	ZARZYCKA	MAJA	0,50	Chair of Orthopedic	6 mies	
764	PROF. MD, PhD	ZARZYCKI	DANIEL	1	Chair of Orthopedic	7	
765	MD	ZASADA	JAKUB	1	II Chair of General Surgery	2	1
766	MSc, PhD	ZAWILŃSKA	BARBARA	1	Chair of Microbiology	20	1
767	MD, PhD	ZAWILŃSKI	JAROSŁAW	1	Chair of Anatomy	16	
768	MD	ZDENKOWSKA-PILECKA	MAGDALENA	0,50	Chair of Psychiatry	4	
769	MD, PhD	ZEJC-BAJSAROWICZ	MAŁGORZATA	1	Chair of Infectious Dis. & Hepatology	17	1
770	MD	ZEMAN	JACEK	1	Chair of Dermatology	24	
771	MD, PhD	ZEMANEK	GRZEGORZ	1	Institute of Medical Biochemistry	2	
772	PROF. MD, PhD	ZEMBALA	MAREK	1	Polish-American Inst. of Pediatrics	40	1
773	PROF. MD, PhD	ZIEBA	ANDRZEJ	1	Chair of Psychiatry	27	
774	MD, PhD	ZIETKIEWICZ	MIROSLAW	1	Chair of Anesthes. & Intensive Care	3	1
775	MD, PhD	ZIOLKOWSKA-GRACA	BOŻENA	1	II Chair of Internal Med.	1	
776	MD	ZUB	ANNA	1	II Chair of General Surgery	1	1
777	MD, PhD	ZWOLŃSKA	GRAŻYNA	1	Inst. of Neurology	25	

778	MD, PhD	ZWOLINSKA- WCISŁO	MAŁGORZATA	1	Chair of Infectious Dis. & Hepatology	8	1
779	MD	ZYGULSKA	ANETA	1	Chair of Oncology	7	1
780	MD, PhD	ZYSS	TOMASZ	1	Chair of Psychiatry	14	
781	MD, PhD	ŻABIŃSKA-PŁAZAK	EWA	1	Chair of Dermatology	3	1
782	MD	ŻABIŃSKA-POPIELA	MARTA	1	Chair of Gynecology & Obstetrics	9	
783	MD, PhD HAB	ŻMUDKA	KRZYSZTOF	1	Institute of Cardiology	11	1
784	MD, PhD	ŻUROWSKI	DANIEL	1	Chair of Pathophysiology	4	
785	MD, PhD	ŻYCZKOWSKA	JOLANTA	1	Chair of Internal Med. & Gerontology	6	

total JUCM: 785
total School of
Med.in Eng.: 345

total JUCM: 785



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2. Describe how the faculty is qualified and sufficient in number to achieve the objectives of the institution (A "qualified" faculty member is a person who possesses either a credential generally recognized in the field of instruction or a degree, professional license, or credential at least equivalent to the level of instruction being taught or evaluated).

The faculty members who are listed in Table VII.1 constitute highly qualified and experienced staff entirely capable of accomplishing the JUCM including School of Medicine in English educational and research objectives. Professional credentials and documented academic and clinical experience of the staff as well as their number (785/345 persons) guarantee the achievement of the objectives.

3. Describe and explain the institution's formal ongoing faculty development process. Provide the written description of the process.

The Jagiellonian University is a dynamic institution. The objectives and aims of the development process are defined and formulated every year, when the self-assessment report is prepared. Every organizational unit of JUCM has to create the organizational development plans for the coming year. Achievements are evaluated every year. The development strategy refers to the main objectives formulated by the JUCM authorities. These goals can be divided into major ones which constitute large investments and chief didactic targets and minor ones which are defined by every organizational unit of the JUCM. In 2004 the main objectives were the improvement of the educational quality and the implementation of the Problem Based Learning as well as the finishing of the building investment -- completion of a didactic complex for the JUCM Clinics in Krakow. The goals of JUCM are the goals of the School of Medicine in English.

4. Describe the process by which faculty participate and document their activities in continuing medical education.

The JUCM provides postgraduate training and specialization in the affiliated hospitals. The residents training is managed and supervised by the specialists according to the rules defined by the Ministry of Health. The specialty medical training can be provided only in the wards accredited by the Ministry of Health. The JUCM affiliated hospitals wards possess such accreditation and are permitted to provide specialty medical training in all basic and high specialties. The residents are admitted to the JUCM affiliated hospitals directed by the Health Ministry (organizational unit for the medical specialty is localized in every province city) after completing the required examinations. The examination (the tests are standardized in Poland) for entering the specialty training is prepared by the specialists originating from the best university hospitals in Poland, including the Jagiellonian University. The final examination after completing the specialty training is also uniform for each specialty and consists of three examinations: the examination of practical skills, test and oral examination. The uniform test is organized by the Ministry of Health. The oral and practical examinations are organized in the organizational unit in which the training was performed in our case in the Jagiellonian University Collegium Medicum affiliated hospitals. The uniform test is prepared by specialists from the universities, including the Jagiellonian University.



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The JUCM provides also the doctoral studies in order to complete the doctoral thesis exam. The Board for the Academic Titles and Degrees is responsible for the doctoral thesis studies, other affairs and organization of the examinations. The JUCM documents every educational activity and stores the files in the Jagiellonian University Archives. The rules concerning the retention period of these activities are the same as for the students records and are described in the item XII Records.

5. Describe the faculty's formal role in the institution's decision-making process and where it is documented.

The role of the Jagiellonian University Collegium Medicum in decision making process, the manner it is organized as well as the responsibilities are defined and documented in the Jagiellonian University Mission Statement. This process is presented graphically in Figure VI.1.

6. Describe the role of faculty in the admissions process.

Admission Commission is comprised of at least three members of the Council of JUCM School of Medicine in English, and includes 9 fellows from Faculty Council, Deputy Rector for Collegium Medicum and Dean for Faculty of Medicine. The Admission Commission meets after application deadline by the middle of June to select the best prospective students. The members of Faculty Council directly participate in the admission process.

7. Is there any anticipated decrease in the number of faculty in the near future (for example, through a significant number of retirements)? If so, when, why, and to what extent?

No decrease in the number of faculty in the near future is expected.

8. Is the formal evaluation process of faculty part of the course and clerkship review process? If so, describe.

The process of formal faculty evaluation is performed once a year and concerns every field of faculty activity including all the institutions and their didactic, research, medical care results and the planning for the future development. In the process of didactics evaluation, the review of clerkship is also performed.

9. Describe how the clinical faculty participate in the medical school's educational program.

The process of educational program forming process is graphically demonstrated in Figure V.1. An Educational Commission of the Jagiellonian University Faculty of Medicine is responsible for the preparing of educational program, for which the basic criteria are determined by the High Educational Law (enacted by Polish Government Ministry of National Education). The Educational Commission consists of the representatives from all the Jagiellonian University Faculty of Medicine Courses, from basic and clinical sciences and is formed by these representatives. The program is approved by Faculty Council. So, the Faculty participates in the forming, implementing and reviewing the educational program.

10. Describe how clinical faculty are involved in curriculum development.

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The Curriculum is prepared by the School of Medicine in English Council, and is approved by the Jagiellonian University Faculty of Medicine Educational Commission. So the Faculty is involved in preparing the curriculum, since the School Council comprises 9 fellows from Faculty Council, Deputy Rector for Collegium Medicum and Dean for Faculty of Medicine. The process of curriculum planning is presented graphically in Figure V.2.

11. List any other responsibilities the faculty have aside from teaching.

The responsibilities of the Collegium Medicum arise from the objectives and aims of the Jagiellonian University formulated in the Mission Statement. Aside from teaching the Collegium Medicum carries out academic research and provides medical care in affiliated hospitals. The Mission Statement concerning the main aims of the Jagiellonian University is enclosed as an Attachment 1, see the Section 1 –General Provisions.

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**VIII. Admissions and Promotion Standards:**

1. Describe the institution's standards governing admission requirements, student selection, and promotion, and how they are consistent with the institutions mission and objectives. Evaluate how the institution adheres to these standards.

The process of admission for the students to the Jagiellonian University Collegium Medicum School of Medicine in English is determined by the School Regulations, which are enclosed as Attachment 5. Graduates of premedical programs can be admitted to the 4-year English-language program, secondary-school graduates can be admitted to the 6-year program. Students are selected according to their achievements and education, the JUCM School of Medicine in English admits on average 60 students a year, having on average 3 candidates for one place. In academic year 2005/2006 JUCM School of Medicine in English has 335 foreign students (230 students in 6-year program and 105 in 4-year program). The Jagiellonian University's aim is to educate and instruct. Students are admitted after selection according to the above mentioned criteria, specified in details in the School Regulations. These standards are consistent with the Jagiellonian University Mission Statement. The School strictly adheres to these standards.

2. Who makes the initial and then the ultimate decision regarding admission?

The Head of the JUCM School of Medicine in English Council makes the initial decision concerning the consideration of a candidate by the Admission Commission. The Admission Commission is composed of at least three members of the School Council and makes the ultimate decision regarding the main criteria, i.e. candidates' achievements and received education (the admission criteria are described in details in the School Regulations which are enclosed as Attachment 5).

3. For students experiencing academic or other difficulties, describe how a decision is made whether to permit a student to remediate or to repeat course.

The decision concerning the permission to remediate or to repeat the courses is made by the Head of the JUCM School of Medicine in English and appeals to the Faculty of Medicine Deputy Dean and Deputy Rector. The process of solving of academic or other difficulties is presented graphically in Fig. VIII.1 below.

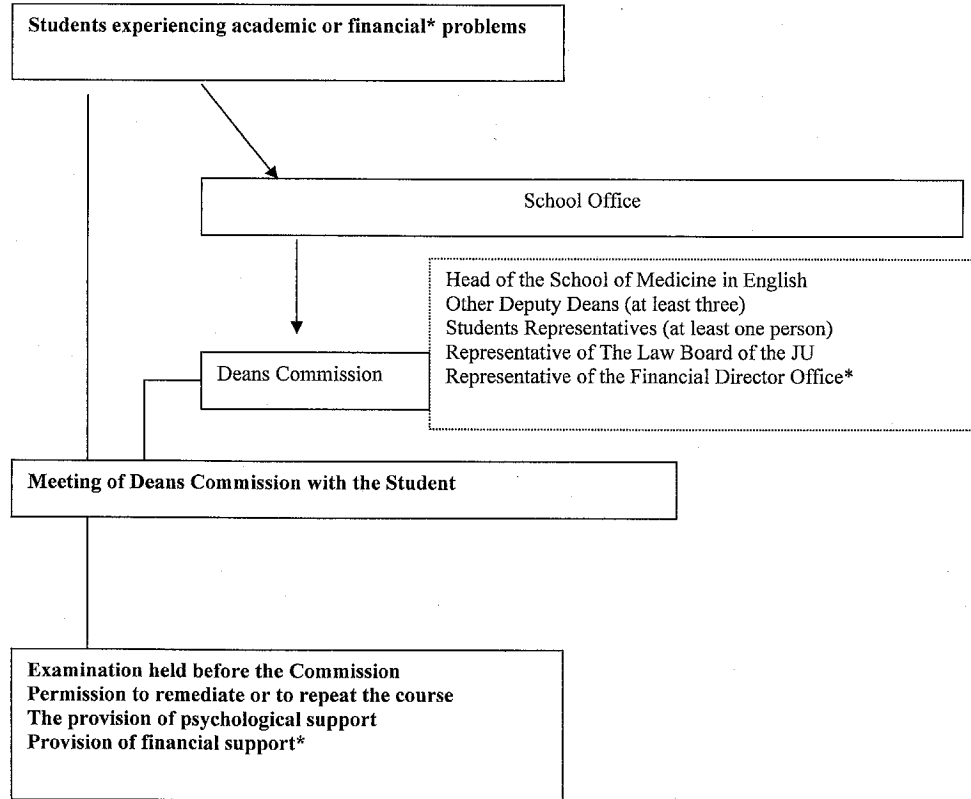


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Figure VIII.1. Students experiencing problems




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4. Describe all the requirements for admission, including any courses or topics that are recommended but not required.

Formal requirements in the admission process are presented below.

The process of admission for the students of the Jagiellonian University Faculty of Medicine for the School of Medicine in English 4-year program

ADMISSION CRITERIA

Required:

1. undergraduate degree at college/university
2. one full year in each of pre-requisite courses:

General Chemistry

Organic Chemistry

Biology

Physics

Humanities

Mathematics (or 1 sem. of Calculus)

3. MCAT

In compliance with Canadian standards undergraduate degree is not required for admission.

However, in such a case, an overall grade point average of 70% or higher for pre-requisite courses is required to be considered without completion of undergraduate program. It mostly concerns graduates of Health Science programs, holders of DEC diploma. MCAT requirement may be waived for non-US citizens.

Complete applications are considered by Deputy Dean of Faculty of Medicine who makes a decision on admission or rejection by reviewing submitted documents.

6-year program

Candidates for admission to the 6-year program should be under 27 years of age and of any citizenship other than Polish, however a candidate may be ethnically Polish. The candidate should have high school diploma(s) or matriculation equivalent necessary for admission to medical school in the candidate's home country. Recommended courses for the candidates are: Biology, Chemistry, Mathematics and Physics.

Candidates from Scandinavia, have to contact our representative in Norway

ELLEN M. BERGENE

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POSTBOKS 1784 STOA

4858 ARENDAL

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fax: (+47 37) 00 36 69

email: ellen.bergene@fu.no

Entrance examination in Biology and Chemistry is organized in Oslo for the candidates from Scandinavia. Candidates who submitted applications with our representative in Norway receive preparatory materials for the written test in Biology and Chemistry. Candidates with highest examination scores are offered admission.

5. Describe the admissions process, including the organization and operation of the admissions committee.



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The Admission Commission composed of at least three members of the School Council holds a meeting after the application deadline by the middle of June to select best prospective students. Decisions are made by reviewing documents submitted together with application forms. Only candidates with highest grades in recommended courses, i.e. Biology, Chemistry, Mathematics and Physics are selected. Biology and Chemistry are absolute requirements. Few applications can be put on the waiting list. Conditional acceptance is offered to those candidates who have not presented their High School diplomas by application deadline. They are expected to present final High School transcripts or copies of diplomas prior to the commencement of the program in September.

6. Describe the academic advisory system, including any programs designed to assist potentially high-risk students in the entering class or students who experience academic difficulty throughout the curriculum.

Students experiencing problems may turn to the Head of the School of Medicine in English or to the course coordinator, who appoints a teacher for individual additional teaching hours to improve the results. Students may receive psychological support (Prof Bogdan de Barbaro, Prof Jacek Bomba). Additionally, the procedure of providing aid to students experiencing problems or potentially high-risk students, is presented in Fig. VIII.1.

7. Describe the system for counseling students on career choice and residency application.

The School Office provides all kinds of information and counseling on career choice and residency application. The School website enables current students to contact with other graduates. The Academic Career Office aims at preparing students for the undertaking of professional work, helps them to obtain the up to date information concerning the employment in medicine, provides professional counseling, organizes courses of instruction, for instance, teaching how to prepare CV in the correct format and how to get ready for interviews, trains in self-presentation ability. It also enables access to current medical papers with employment offers and prepares a computer data base, contacting employers with potential employees. The Academic Career Office cooperates with the Students' Self-Governing Body, Students' Scientific Society, Krakow's branch of the International Federation of Medical Students Associations IFMSA.

8. Describe any background screening process that the institution performs on students (e.g. any factors that might result in a potential student being unable to proceed towards licensure).

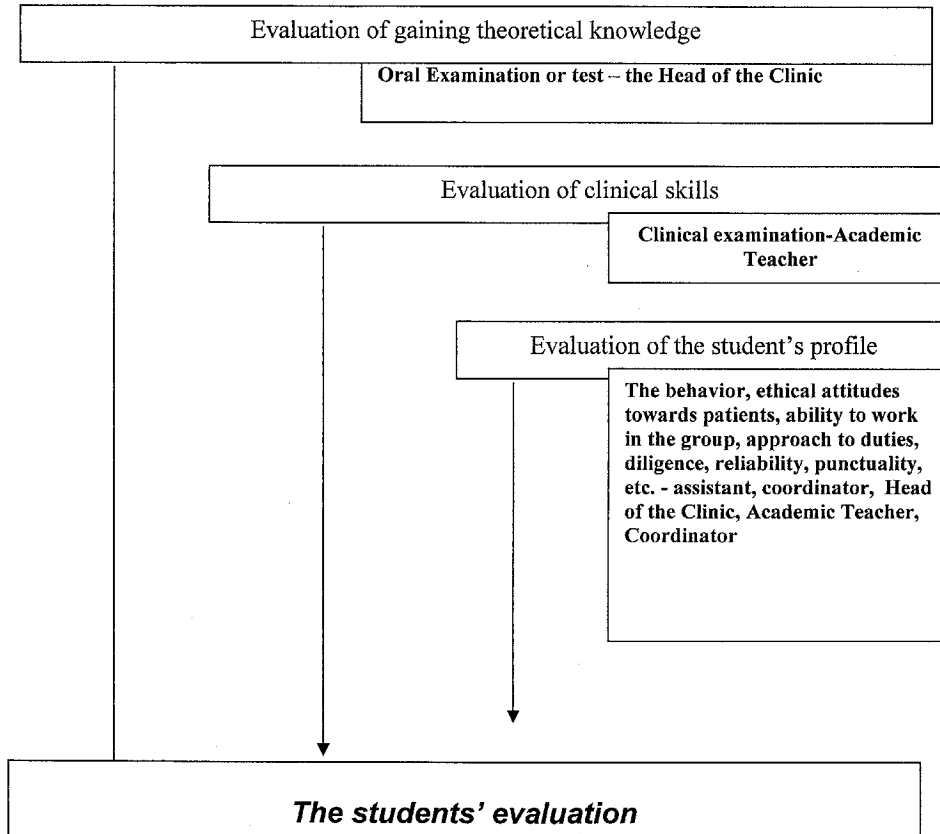
The institution performs a broad screening of students. The evaluation of each student is performed through examinations, graded credits and credits. The attendance is also taken into consideration. Coordinators closely observe each student and present their total evaluation to the School Office in the form of the Student Evaluation Form (see Attachment 6a and 6b). The cooperation between coordinators and School Office permits them to detect potentially high-risk students and provide additional teaching hours or other assistance to them. The process of students' evaluation is presented graphically in Figure VIII. 2.


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Fig. VIII.2. The process of students' evaluation



Students are evaluated in all described fields using a universal Student Evaluation Forms- see Attachments 6a and 6b. The final grade is granted on the basis of the student's evaluation form (at home University), another student's evaluation form (pertaining to Clinical Rotations abroad), summer clerkship statements, letters of recommendation, a personal statement, and an interview with the student. Besides, a comparative grade is given by way of evaluating the student's performance against the whole group (see Attachment 6c).

9. Complete the following evaluation charts and include no further information than that which is required in the charts.



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Table VIII.1. Evaluation Charts

4 year program
 Year One

Grading Formula (percent contribution to final grade)								
Course	# of Exams	Written Exams	Lab/ practical Exams	USMLE Subject Exams	OSCE/ SP Exams	Oral Pres. Or Paper	Faculty/ resident Evals*	Other**
Human Anatomy	8	50%	50	-	-	-	-	-
Histology I	5	100	*	-	-	-	-	*- if the final practical exam is passed as excellent then final grade increases 0.5 grade
Biochemistry	5	100						
Physiology and Biophysics	5	100						
General Immunology	1	100						
Introduction to Clinical Sciences	3	100						
Cell Biology	1	100						

*Include evaluations by faculty members or residents in clinical experiences and also in small group sessions (for example, a facilitator evaluation in small group or case-based teaching) ** Describe the specifics in the report narrative

Year Two

Grading Formula (percent contribution to final grade)								
Course	# of Exams	Written Exams	Lab/ practical Exams	USMLE Subject Exams	OSCE/ SP Exams	Oral Pres. or Paper	Faculty/ resident Evals*	Other**
Pathophysiology	7	100 %						
Pathomorphology	5	90 %						10% - for 100% attendance to all classes or 10% - for passing short quizzes at
Pharmacology	5-6	100*						* 6th exam is necessary if student wants to improve the final grade or didn't accumulate at least 60% score after five midsemester tests
General Microbiology and Clinical Microbiology	1	90						up to 10 % - for attendance to all classes
Introduction to Internal Medicine and Physical Diagnostics	1	-	100%				Credit from faculty is necessary to take the final exam	
Introduction to Neurology	1	100						

* Include evaluations by faculty members or residents in clinical experiences and also in small group sessions (for example, facilitator evaluation in small group or case-based teaching) ** Describe the specifics in the report narrative



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Years Three and Four

Grading formula (percent contribution to final grade)

Clerkship	Who contributes to clinical evaluation*	Written Exams	USMLE Subject Exams	OSCE/ SP Exams	Oral Pres. or Paper	Faculty/ resident Evals	Other**	Clinical Skills Observed ***
Internal Medicine I	F	100	-	-	-	positive opinion of faculty is necessary to take the final exam	passing oral/practical/ exam/patients histories in each specialty is necessary to take the final exam	Y
Surgery I	F	100	-	-	-	positive opinion of faculty is necessary to take the final exam		Y
Obstetrics and Gynecology I	F	100	-	-	-	positive opinion of faculty is necessary to take the final exam		Y
Pediatrics I	F	100	-	-	-	positive opinion of faculty is necessary to take the final exam		Y
Neurology	F,R, O (4th year students)	-	50	-	-	50		Y
Psychiatry	F	100						Y
Clinical Immunology	F	100						N/A
Internal Medicine II	F	-					passing oral/practical/ exam/patients histories in each specialty is necessary to take the final exam practical exam 50 % and oral exam 50 %	Y
Surgery II	F	100						Y
Obstetrics and Gynecology II	F	100						Y
Pediatrics II	F						practical exam 50 % and oral exam 50 %	Y

* Use the following key to indicate who contributes to the final evaluation of the clerk: F (full-time faculty), V (volunteer or community clinical faculty), R (residents), O (other [describe in report narrative])

** Describe the specifics in the report narrative

*** Are all students observed performing core clinical skills? (Yes or No)



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6-year program
Year One, Two, Three, and Four

Grading Formula (percent contribution to final grade)

Course	# of Exams	Written Exams	Lab/practical Exams	USMLE Subject Exams	OSCE/SP Exams	Oral Pres. Or Paper	Faculty/resident Evals*	Other**
Human Anatomy	14	50%	50					
General Chemistry	1	100						
Organic Chemistry	1	100						
Histology and Cytophysiology	5	80	20					
Medical Biology and Embryology	3	100						
Biochemistry	7	100						
Physiology	5	100						
Biophysics	1	70				written report after each laboratory – 30%		
Introduction to Clinical Science	3	100						
Pathophysiology	8	100						
Introduction to Internal Medicine and Physical Diagnostics	1	-	100%				credit from faculty is necessary to take the final exam	
General Microbiology	1	90						up to 10% - for attendance to all classes
Hygiene and Human Ecology	1	100						
Medical Polish	1	50					25	up to 25% for attendance to all classes
Pathomorphology II	8	100						
Pharmacology II	5-6	100*						* 6th exam is necessary if student wants to improve the final grade or didn't accumulate at least 60% score after five

* Include evaluations by faculty members or residents in clinical experiences and also in small group sessions (for example, a facilitator evaluation in small group or case-based teaching) ** Describe the specifics in the report narrative
facilitator evaluation in small group or case-based teaching) ** Describe the specifics in the report narrative



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Years Four, Five, Six

Grading formula (percent contribution to final grade)

Clerkship	Who contributes to clinical evaluation*	Written Exams	USMLE Subject Exams	OSCE/ SP Exams	Oral Pres. or Paper	Faculty/ Resident Evals	Other**	Clinical Skills Observed***
Dermatology and Venerology	F	50					practical exam - 50%	Y
Psychiatry II	F	100						Y
Infectious Diseases	F	100						Y
Orthopedics	F	100						Y
Radiology	F	100*					Practical with the recognition of radiological pictures/scans	N/A
Neurology and Neurosurgery	F	50					practical exam - 50%	Y
Otorhinolaryngology	F						practical exam is necessary to take the final, oral exam - 100%	Y
Clinical Immunology	F	100						N/A
Surgery	F						oral, theoretical exam - 100 %	Y
Gynecology and Obstetrics	F	100						Y
Forensic Medicine	F				50		oral, theoretical exam - 50 %	N/A
Internal Medicine	F						practical exam 50 % and oral exam 50 %	Y
Pediatrics	F						practical exam 50 % and oral exam 50 %	Y
Family Medicine	F							Y
Ophthalmology	F	50					practical exam - 50%	Y

* Use the following key to indicate who contributes to the final evaluation of the clerk: F (full-time faculty), V (volunteer or community clinical faculty), R (residents), O (other [describe in report narrative])

** Describe the specifics in the report narrative

*** Are all students observed performing core clinical skills? (Yes or No)

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**IX. Financial Resources:**

1. Show evidence that the institution possesses sufficient financial resources to accomplish its mission and objectives.

The Jagiellonian University Collegium Medicum is owned, operated and financed by the Polish Government. The resources are sufficient to accomplish the mission and objectives. These resources are protected by Law. Directive 28.02.2003 II Art. 6 states that universities are guaranteed by the Polish Ministry of Treasure. The directive is enclosed as Attachment 7.

2. Provide the international medical school's financial budget.

Financial budget of the Jagiellonian University Collegium Medicum as well as the School of Medicine in English budget are enclosed as Attachment 8.

3. Describe all monetary allocations allotted to research activity.

Monetary allocations allotted to research activity are presented in Figure III.2. (Item Mission and Objectives point 4).

4. Is the school planning or engaged in any major construction or renovation projects, or other initiatives that require substantial capital investment? If so, how will capital needs be addressed?

Currently the Jagiellonian University Collegium Medicum including the School of Medicine in English is involved in one major construction project – the building of a didactic complex at Sw. Lazarza Street in Krakow. The Jagiellonian University Collegium Medicum is involved also in three other investments. No substantial capital investment is required to finish these initiatives. Plan for Investments for 2005 is enclosed as Attachment 9.

Investment plans are prepared by the School's director and budget officer and, being a part of the University's budget must be approved by the Senate.

5. Describe the recent trends in tuition and fees, and the overall cost of attending this medical school.

The Jagiellonian University Collegium Medicum Faculty Council determines the tuition and fees and then publishes them in the School Regulations. A non-refundable US \$ 500 admission fee is to be paid on approval of the candidate by the School as specified in the Certificate (Acceptance Letter).


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The 4-year program

Tuition in US dollars	
1 st year	\$ 11 500
2 nd year	\$ 9 500
3 rd year	\$ 9 500
4 th year	\$ 9 500

The 6-year program

Tuition in US dollars	
1 st year	\$ 11 000
2 nd year	\$ 10 500
3 rd year	\$ 10 500
4 th year	\$ 10 500
5 th year	\$ 10 500
6 th year	\$ 10 500

The payment should be made by the beginning of the academic year in US dollars, by bank check or bank transfer to the account. (see School Regulations enclosed as Attachment 5).

6. Is there anything pending that might negatively affect the school's financial resources (e.g. existing litigation, lawsuits, etc.)? If so, explain.

There is nothing pending that might negatively affect the school's financial resources. As it was mentioned in IX.1 the financial resources are guaranteed by the Polish Government (the Ministry of Treasure). (See Attachment 7).

7. Include the institution's Consolidated Audit Report by the Chief Financial Officer. Ensure that the report was prepared within the last year.

The Jagiellonian University Collegium Medicum Consolidated Audit report is enclosed as Attachment 10. The School of Medicine in English has no separate audit report other than that of Collegium Medicum.


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X. Facilities:

1. Describe the institution's facilities, laboratories, equipment and library resources and how they are sufficient to support the educational programs offered by the institution and how they enable the institution to fulfill its mission and objectives.

Facilities are divided according to the course type into three main groups: the pre-clinical sciences, introduction to clinical sciences and the clinical sciences.

Pre-clinical Sciences	Introduction to Clinical Sciences	Clinical Sciences
Anatomy	Laboratory Training of Clinical Skills	Infectious Diseases
Histology and Cell Biology	Introduction to clinical Radiology	Internal Medicine- Gastroenterology
Biochemistry	Behavioral Sciences	Internal Medicine- Metabolic Diseases
Medical Genetics	Introduction to Internal Medicine/ Physical Diagnosis	Internal Medicine- Nephrology
Medical Embriology	Clinical Laboratory Diagnostics	Internal Medicine- Pulmonology
Immunology	Introduction to Psychiatry	Internal Medicine- Cardiology I
Pharmacology	Introduction to Neurology	Internal Medicine- Electrocardiology
Microbiology		Internal Medicine- Angiology and Allergology
Medical Sociology		Internal Medicine- Cardiology II
Physiology and Biophysics		Internal Medicine- Endocrinology
Pathomorphology		Internal Medicine- Hematology
Pathophysiology		Internal Medicine- Rheumatology
Epidemiology and Biostatics		Family Medicine



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		Surgery- General Surgery
		Surgery- Cardiac Surgery
		Surgery- Thoracic Surgery
		Surgery- Traumatology
		Surgery- Urologic Surgery
		Surgery- Vascular Surgery
		Surgery- Gastrointestinal Surgery
		Obstetrics and Gynecology
		Pediatrics
		Neurology
		Emergency Medicine
		Forensic Medicine
		Dermatology and Venerology
		Ophthalmology
		Otolaryngology Head and Neck Surgery
		Anesthesiology and Intensive Care Medicine
		Clinical Radiology
		Clinical Immunology



STEFFANIE A. STRATHDEE, PH.D.
PROFESSOR AND HAROLD SIMON CHAIR
CHIEF, DIVISION OF INTERNATIONAL HEALTH AND CROSS-CULTURAL MEDICINE
DEPARTMENT OF FAMILY AND PREVENTIVE MEDICINE

07 JUL -2 AM 9:44
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(858) 822-1952 FAX (858) 534-4642
EMAIL: sstrathdee@ucsd.edu

DATE: June 26, 2007

TO: The Division of Licensing
Medical Board of California

Attn: Ms. Pat Park, Associate Analyst
Licensing Program

FROM: Harold J. Simon, M.D., Ph.D.
Consultant

SUBJECT: Recognition of Jagiellonian University Collegium Medicum (JUCM)
School of Medicine in English Program (SOMEPE)

I have been asked to offer my opinion as to the date when this Program should be recognized by the Medical Board in view of my recommendation that it should be offered recognition.

I believe full recognition is warranted as of the date of the inception of the English Language Program - 1994. My reasoning:

My first review I saw a generally well-organized and well - administered program. In point of fact, if it had not been for a few unfulfilled stipulations by the Medical Board and the applicable statutes, full recognition would have been recommended at that time. These issues and my recommendations toward their resolution are fully detailed in my prior submissions.

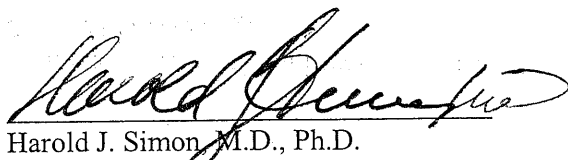
In my view, the latest submission demonstrates that such outstanding issues have been resolved satisfactorily.

In addition, be it noted again that this institution is highly regarded throughout the Western World and has been in operation for centuries. Its buildings, laboratories, and libraries have existed and functioned for many years and are continuously being upgraded.

Its faculty is highly regarded and - for the most part - serve the English Program as a sideline for its first two years until the Program is fully integrated into the mainstream program. Its graduates enjoy high regard throughout Poland and in the many other countries in which they practice.

Finally, the institution and its program are accredited by the responsible Polish and European authorities.

Respectfully submitted,



Harold J. Simon, M.D., Ph.D.
Consultant

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9500 GILMAN DRIVE # 0622
LA JOLLA, CALIFORNIA 92093-0622HAROLD J. SIMON, M.D. Ph.D.
SCHOOL OF MEDICINE
DIVISION OF INTERNATIONAL HEALTH AND
CROSS-CULTURAL MEDICINE

May 3, 2007

To: Division of Licensing
Medical Board of California

Attn: Ms Pat Park, Associate Analyst
Licensing Program

From: Harold J. Simon, M.D., Ph.D.
Consultant

Subject: Review of and Comments on a document, dated April 12, 2007, and provided by the **Jagiellonian University Collegium Medicum (JUCM) - School of Medicine in English (SOMEPE)** at Krakow, Poland.

This document was provided in response to questions raised in a November 6, 2006, review* of a set of documents originally submitted by **JUCM-SOMEPE** in pursuit of recognition by the State of California toward obtaining permission for **JUCM-SOMEPE** medical students to pursue clerkships in California institutions, for their graduates to pursue residencies, and eventually to stand for licensing to practice in the State. As a result of that review, an opinion was rendered that several outstanding issues remained to be addressed and resolved prior to a formal recommendation on the petition by **JUCM-SOMEPE**.

The following will identify the issues in question, the responses offered by the **JUCM-SOMEPE**, and comments from the undersigned. A formal recommendation on the matter of recognition of the **SOMEPE** by the **DOL** will then be offered.

FIRST ISSUE: Matters pertaining to off-site clinical clerkships pursued by students enrolled in the SOMEPE.

The questions raised initially pertain to the apparent absence of formal affiliation agreements between **JUCM** and

*A copy of that review is appended. It has been modified slightly with deletion of typographical errors and a modification of a previous recommendation.

off-site host institutions wherein clinical clerkships are pursued; their nature, location, and administration; quality assurance and supervision; how they are selected and reviewed; and about the activities and resources at these sites.

In reply, the letter from **SOME**P has supplied a list of 36 hospitals where off-site clerkships are currently pursued by senior medical students. With only one exception, all are well-known and highly regarded university or university-affiliated teaching hospitals. The exception is Ross University in the West Indies which hosts a very small number (1-3) students.

Of the others, 31 are in U.S. and Canadian hospitals associated with LCME-approved medical schools, 3 are in well-recognized and highly regarded teaching hospitals in the UK and one is New Zealand.

By far the greatest number (well over half) of off-site clerkships are pursued in 2 locations: The University of Rochester School of Medicine and Dentistry in Rochester, New York, and the University of Toronto's Faculty of Medicine in Toronto, Ontario, Canada. The other institutions generally host 1-3 students each.

A separate table lists the clinical clerkships utilized at each site which range from single offerings to essentially the complete gamut of clinical disciplines.

Copies are to hand of the **formal agreements** between **JUCM** and the medical schools in Toronto and Rochester. These cover exchange programs involving students, residents and senior clinicians. They also address issues pertaining to visiting lecturers, participants in colloquia and seminars and look to collaborative clinical and research programs.

The individuals overseeing these activities at the involved institutions are identified. Matters pertaining to institutional support, coordination, and screening of participants in the diverse exchange programs are addressed.

In exquisite detail, the agreements cover the required educational backgrounds of those eligible to participate in the exchange programs; the maximum number of places available in the various programs; the duration of the clerkships; financial arrangements between the institutions and the students; and support for housing of visitors, etc.

Of note: Tuition fees are waived and free housing is available for visitors on a reciprocal basis. In addition, student visitors to Rochester from the **JUCM** Polish Language Program are given \$1,000 for living expenses.

The agreements are presented in English and Polish and are equally binding. The agreement with Rochester covers three years and is subject to renewal in November 2007. The agreement with Toronto covers 5 years as of August 2004.

Further details are provided in the letter, dated April 14, 2007.

In the future, such agreements will be made with other off-site accredited institutions in the U.S., Canada, Australia and EU, reviewed by the **JUCM** Council, and subject to the **quality assurance process** currently in use.

The **Quality Assurance Process** consists of

- *confirmation of accreditation of an off-site institution in any particular location by the appropriate medical board;

- *Review by the **JUCM** Council of clerkships at all off-site locations; and

- *Review of course/clerkship descriptions, including the entire curriculum.

A table is provided which identifies course/clerkship length, number of hours, numbers of students enrolled, prerequisites, goals, learning objectives, topics covered, schedules of clinical and didactic activities, required readings, supervision, and methods for evaluating student performance.

Exchange students' performance is evaluated by physician professors, attending staff, and residents at the host sites.

As necessary, telephone contacts with off-site institutions supplement correspondence. On occasion, site visits may be undertaken.

SECOND ISSUE: Matters pertaining to performance on the USMLE by SOMEPE students.

In the original submission, the **JUCM-SOMEPE** authority stated that they were unable to obtain such information as a result of privacy concerns and Polish law which forbids transmission of such information to third parties. These concerns seem to have been resolved. In fact -

JUCM now requires students to take the USMLE at the designated times and provide their scores to the Dean's office as a requirement for graduation. At matriculation, students must submit a signed agreement to this effect. Thus:

a) For the 2006 graduating class of the **4-year English Program:**

All 12 students (100%) took and passed **Step 1**.
10 students took **Step 2 CK** and all passed.
9 of the 10 students (90%) who took **Step 2 CS** passed.

b) For the Class of 2007 (current 4th year students in the **4-year English Program**).

14 of the 17 students (82%) passed **Step 1**. Results for another (6%) are pending and 2 are scheduled to retake the exam.
All 7 (100%) taking **Step 2 CK** passed.
All 7 (100%) taking **Step 2 CS** passed.

c) For the Class of 2008 (current 3rd year in the **4-year English Program**).

To date, Of 20 students who have taken **Step 1**, 14 (70%) have passed. The other six are scheduled to retake the exam.

d) The majority of students in the **6-year English Program**, accredited by the EU, have been and continue to be from Norway. They are subject to a separate exam to be eligible to practice in Norway. 100% of these students are pursuing graduate training programs in Norway.

In recent years, the **6-year English Program** enrolled only 2-4 students from Canada and 2 from the US yearly. USMLE records for these students are not available. However, data obtained from the Class of 2003 indicated a 100% pass rate for **Steps 1, 2 CK, and 2 CS**.

THIRD ISSUE: Post-Graduate training performance of SOMEPE graduates.

The question was raised as to how well the **SOMEPE** prepares graduates for residencies in US hospitals. The original submission lacked data on **SOMEPE** graduates' performance in the NRMP, their success in obtaining residency positions in the US, and on their performance therein.

Since the previous review, the **JUCM-SOMEPE** has begun to collect the requested information from its graduates. Thus, although no data are supplied as to success rates:

Three (3) graduates of the Class of 2003 from the **6-year Program in English** found residency placements in US teaching hospitals. (Be it remembered that this program enrolls very few US and Canadian students).

Forty-three (43) graduates of the **4-year program in English** obtained residencies in US teaching hospitals.

By year of graduation, the data show the following:

- 2 graduates of the Class of 1998 (the first graduating class);
- 3 graduates of the Class of 1999;
- 7 graduates of the Class of 2000;
- 5 graduates of the Class of 2001;
- 4 graduates of the Class of 2002;
- 6 graduates of the Class of 2003;
- 5 graduates of the Class of 2004;
- 6 graduates of the Class of 2005; and
- 5 graduates of the Class of 2006.

Effective with the current year, the **JUCM** Chair and Council have mandated that students must provide the names of the residency programs they will enter to the Dean's office. This initiative was formally approved by both the **JUCM** and Student Councils.

FOURTH ISSUE: The apparent absence of 'PAIN MANAGEMENT' and 'END OF LIFE' topics from the Curriculum:

The current submission from the **SOMEPE** provides detailed information on the teaching of these two topics. Included are the following:

- *Placement (timing) within the 2 **EMP** curriculae;
- *Format (lectures, seminars and clinical practice in ambulatory and in-patient settings);
- *Inclusion within specified courses and clerkships;
- *Specific topics covered.

These include comprehensive treatments of the two named topics and go much farther into aging and age-related changes in the organ systems; special aspects of history-taking and physical examination of the elderly; communication skills for addressing the elderly; major geriatric medical problems such as pressure ulcers, incontinence; infections, nutrition and symptom management; falls, rehabilitation, delirium, dementia, depression, social issues; and decision making.

CONCLUSIONS:

The communication from **JUCM-SOME**P, dated 4/18/07, provides comprehensive replies with detailed supporting information to the four sets of issues and questions raised in the review of the original petition for recognition by the Division of Licensing.

The current review strongly suggests that essentially all outstanding issues have been addressed satisfactorily.

RECOMMENDATIONS:

Approval by the DOL is recommended for recognition of the SOMEP. This recommendation is intended to apply to

- *Students in their last clinical year to participate in clinical clerkships in California; to
- *Graduates to participate in residencies in California; and to
- *Applicants for licensure in California from **SOME**P. These must have passed **USMLE I, II, and III** and have satisfied all statutory requirements applicable to US and Canadian applicants.

In addition, the **DOL** might stipulate periodic reviews of this program at 5 year intervals and/or in consequence of any significant change in governance or curriculum.

This recommendation is based on the **JUCM-SOME**P's satisfactory replies to the issues raised in the previous review and the supporting information presented on pages 14 and 15 therein.

Respectfully submitted,


Harold J. Simon, M.D., Ph.D.
Consultant

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November 2, 2006

FILE COPY

Prof. Piotr Laidler, Ph.D.
Associate Dean, Faculty of Medicine
Jagiellonian University
St. Anna Street 12
31-008 Krakow
POLAND

Dr. Laidler:

Thank you for applying for the Medical Board's recognition of Jagiellonian University's English language program. Our Medical Consultant completed his review of Jagiellonian University's application and requested further information to assist him in finalizing his review.

Would you please provide the following information:

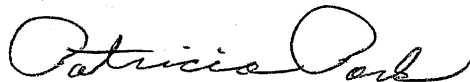
1. Off-site clerkships. English program students may complete up to 50% of their clinical clerkships in hospitals outside Poland. According to the information you submitted, there is a process for students to request approval of clerkship sites outside Poland. Students request approval from the Chair of the JUCM Council. Following the off-site clerkship experience, students submit an evaluation form to the JUCM. Our Consultant needs clarification on the names and location of training sites that have been approved in recent years (other than Norway), the quality assurance method that the JUCM Council Chair used to approve these sites and how Jagiellonian students are supervised in these off-site locations. Would you please have the Chair of the JUCM Council compile a list of the hospitals where the Council approved students to complete off-site clerkships, how quality assurance at the sites was measured, and how Jagiellonian students were supervised when off-site?
2. USMLE scores. The tables on Pages 12 and 13 were left blank, and you provided no data regarding the success of your students in passing the USMLE Step 1 and Step 2 examinations. This information is critical for Jagiellonian officials to use to evaluate the effectiveness of your curriculum in preparing U.S. citizens and others to practice medicine in the United States. If you have collected this data recently, please provide the data. If you have not, please describe your plans to have students disclose their USMLE scores to you in the future.

3. Postgraduate training performance. In response to Questions 11 and 12 on Page 6, you stated that no data are available regarding where English program students obtain postgraduate training following graduation. This information is also critical for Jagiellonian officials to use to evaluate the effectiveness of your curriculum in preparing U.S. citizens and others to begin postgraduate training in the United States. If you have collected this data recently, please provide the data. If you have not, please describe your plans to have students disclose their success in entering postgraduate training programs in the United States and other countries.

4. Curriculum. Please clarify in which courses the Jagiellonian officials present the required topics of Pain and End of Life in the medical curriculum. For example, many schools teach pain management as an integral part of their anesthesiology and oncology courses. End-of-life issues are often taught in the oncology and geriatrics courses, and other courses.

Please provide the requested data so that our Medical Consultant will be able to continue his review of Jagiellonian's English program. If you have any questions concerning the Consultant's requests, please contact me by telephone at (916) 263-2367 or by e-mail at ppark@mbc.ca.gov.

Sincerely,



Patricia Park
Foreign Schools Liaison
Licensing Program

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED •

Amended 7-5-06

1st report.

recd w/ 5-3-07 report
on 5-18-07

SANTA BARBARA • SANTA CRUZ

HAROLD J. SIMON, M.D. Ph.D.
SCHOOL OF MEDICINE
DIVISION OF INTERNATIONAL HEALTH AND
CROSS-CULTURAL MEDICINE

9500 GILMAN DRIVE # 0622
LA JOLLA, CALIFORNIA 92093-0622

July 5, 2006

To: Division of Licensing
Medical Board of California

Attn: Ms Pat Park, Associate Analyst
Licensing Program

From: Harold J. Simon, M.D., Ph.D.

Subject: Review of and Comments on Documents Provided
by the **JAGIELLONIAN UNIVERSITY COLLEGIUM MEDICUM
(JUCM) - SCHOOL OF MEDICINE IN ENGLISH (SOMEPE)** at
Krakow, Poland, for the education of medical
students.

The Division of Licensing (DOL) has requested a review of materials provided by **JUCM-SOMEPE**. These were submitted in pursuit of a request for recognition of **JUCM-SOMEPE** by the DOL to enable their students and graduates to participate in clinical clerkships and graduate clinical training programs in California and - provided all other requirements have been satisfied - to become eligible for licensure to practice medicine in this State.

The ensuing narrative is based on study and analysis of the following:*

- 1) Responses to the Division's **Questionnaire** and attachments.
- 2) Information concerning Poland's governmental financing, supervision, administration and evaluation of medical education at **JUCM**.
- 3) Two booklets entitled, **JUCM-SOMEPE CURRICULUM DESCRIPTION:**

INFORMATION FOR 4-YEAR PROGRAM STUDENTS and 6-YEAR PROGRAM STUDENTS FOR 2004/2005, respectively. (Presented in lieu of attachment 2 in item 4, below).

The booklets offer the following:

- *Lists, content and hours of courses by year of study.
- *Lists of required readings for each course.

***NOTE:** Unless indicated otherwise, the following narrative refers exclusively to matters concerning the **SOMEPE**.

- *Identification of the principal goals, topics, didactic and practical activities, teaching aids, and the methods of evaluation and examination for each course and clerkship.
 - *Stipulations governing clerkships abroad.
 - *Requests for anonymous students' questionnaire-based evaluations of the programs.
- 4) A set of 12 attachments (numbered 1 to 13, with item (3), above, in lieu of attachment 2). The attachments consist of
- *The Jagiellonian University Mission Statement.
 - *An Example of a Diploma.
 - *Contingency plans in the event of natural or man-made disasters.
 - *Regulations and rules of the **SOME**P in English.
 - *Copy of a form for Student evaluations of clinical clerkships at the home University.
 - *Graphic summary of students' course evaluations.
 - *The Ministry of the Treasury Directive (in English).
 - ***JUCM** investment plans.
 - ***JUCM** consolidated audit report (in English).
 - *Statement of **JUCM** ownership (in English).
 - *Copies of affiliation agreements between **JUCM** and teaching hospitals in Krakow.
 - *Copies of course and clerkship evaluation forms.

NOTE: Replies to the DOL questionnaire comprehensively address almost every topic posed therein. In consequence, this review and analysis will briefly address the major issues and focus on matters requiring additional information.

OVERVIEW:

Documentation about **JUCM's Statement of Objectives and Mission, Charter, and Governance** are provided in reference 4 (above) and fulfill the DOL's requirements in these dimensions.

JU is chartered by and under the aegis of the Government of Poland, a member of **OECD**. Diverse functions relating to **JUCM** are subsumed by the Ministries of Education, Health, Science and Treasury, respectively. **SOME**P is administered within **JUCM** under the direction of the **JU** central administration.

JU is one of Europe's oldest universities, having been in existence continuously since 1364 through several ups and downs of Poland as an independent nation. **JUCM's** professional degrees have been recognized by and its graduates have been practicing for many decades in numerous countries.

JUCM is situated in Krakow, Poland's second largest city and its capital in former times. Krakow has a long history as a major economic and cultural center.

Graduates of the **SOMEPE** are eligible to practice in Poland after satisfying all requirements, passing the mandatory oral and written State Examinations and completing a thesis. US students are eligible to sit for the USMLE and are eligible for Stafford Loans through the US Department of Education.

All **SOMEPE** programs require approval by the Faculty Assembly, and are further subject to approval by the Ministry of Education.

JUCM also offers programs in nursing, social work, health management, pharmacy, physiotherapy and paramedical fields, and teaches team approaches to medical care.

The **SOMEPE** was established in 1994 and is patronized by a broad range of international students mainly from Norway, Canada and the US - a total of 67 from the US since inception of the **SOMEPE** 12 years ago - and a smattering from several other countries. The curriculum conforms to the requirements prescribed by the Association of European Medical Schools in 1993. The **SOMEPE** offers two study programs:

The 4-year program, designed primarily for US and Canadian students, is open to international students who have completed a course of undergraduate college study leading to a baccalaureate degree or its equivalent; and

The 6-year program for international students who have completed their secondary education and are eligible for admission to medical school in their native countries.

Neither program is open to Polish nationals but is open to applicants of Polish extraction residing in other countries.

The 6-year program's curriculum begins with 2 years of premedical studies, followed by 2 years of preclinical and 2 years of clinical instruction.

The 4-year program's curriculum depends on the premedical education having been completed satisfactorily prior to entry into the **SOMEPE** and proceeds identically with the last 4 years of the 6-year program and the mainstream curriculum.

JU's principal responsibility is to educate Polish citizens and **JUCM** addresses primarily Poland's needs for physicians. **SOMEPE** is an add on to **JUCM's** principal obligations and - undoubtedly not incidentally - a significant source of additional income both for the institution and the faculty.

In 2004/5, the total **JUCM** medical student enrollment numbered **2204** of which **325** were enrolled in the **SOMEPE**. (In 2005/6 **SOMEPE** enrolled 335 students (230 in the 6-year and 105 in the 4-year programs, respectively). Tuition for the 4-year program amounts to \$40,000 and \$63,500 for the 6-year program exclusive of any additional costs for special instructional needs such as books, tutorials, repeat examinations, and of the costs of living - room (dormitory charge is \$2,500 per 9 month academic year), board, transportation, entertainment, etc.

The typical applicants to admissions ratio for the **SOMEPE** is 3:1. The single annual entering class usually numbers 60 students.

The **SOMEPE** premedical and preclinical courses are taught in English by **345** of the **785** full time **JUCM** faculty who possess the requisite language and linguistic skills. By the time students reach the clinical years, they will have acquired the ability to converse in Polish to meet the demands of the clerkships or be denied access until a deficiency is overcome.

The principal difference between the mainstream and **SOMEPE** curriculae consists of intensive required instruction in medical Polish for 2 years in the latter. O p t i o n a l instruction in Conversational Polish can be pursued throughout except for the first clinical year. The **SOMEPE** curriculum is otherwise identical with the mainstream curriculum.

Special tutorials/seminars in any course may be arranged for students in the **SOMEPE** on payment of a tutorial fee. Faculty involved in such activities are barred from any role in examinations in the curriculum involving the topics they teach in the tutorials.

NOTE: All items specified in section 2089(b) of the Business and Professions Code are addressed in the curriculum with the exception of **pain** and **end of life** topics which are not specifically identified as such.

FACILITIES:

JUCM's physical plant consists of 23 fully owned and 5 leased buildings embodying a comprehensive assemblage of hospitals, clinics, lecture halls, offices, student- and research laboratories, libraries and dormitories. These facilities are fully equipped with modern appurtenances to meet the clinical, instructional, research, and administrative needs and purposes of the institution and the community served.

JUCM is the region's referral center, the most important resource for day-to-day medical care up to and including the most advanced medical and surgical procedures. It serves the needs of Krakow's 725,000 and the surrounding region's 3,500,000 residents. The eight teaching hospitals in Krakow embody 1,895 teaching beds in every clinical discipline. The numerous clinics subserving primary, secondary and tertiary medical care saw 314,000 ambulatory patient visits in 2004. All facilities are publicly owned and managed by the University. Copies in English translation of formal affiliation agreements between JUCM and clinical facilities in Krakow have been supplied in response to the DOL questionnaire.

NOTE: JUCM states that there are no formal affiliation agreements with clinical facilities elsewhere in Poland or abroad. In fact, and notwithstanding that students in the clinical years of the SOMEPEP may take a significant part of their advanced clerkships off-site in the course of their clinical years, the JUCM administration claims to keep no records of where these activities take place. The student's work in these institution is evaluated and recorded on a form supplied to the host facility and returned to JUCM. Student evaluations of these clerkships also have to be submitted to JUCM but their eventual fate is not apparent. (See Curriculum, Summary, and Recommendations).

JUCM staff provides a comprehensive range of CME opportunities for physicians of the region and elsewhere to fulfill the State-mandated requirements.

All Teaching and research activities are conducted at the diverse facilities in Krakow in mostly modern or renovated buildings. Current construction projects include a new cantine with sports facilities, a new lecture hall/laboratory building and diverse projects aimed at renovating and upgrading existing hospitals and clinics.

All preclinical science courses include practical exercises conducted in well-equipped student laboratories. Requirements are met for effective address of A/V needs, illustration, photography, electronics, computer/data processing, machine shop, etc.

Library resources include the **JU** central library, the **JU** Institutes Library, the Medical Library and 66 departmental libraries housing almost 4 million volumes, a large collection of journals in every scientific and medical discipline and on-line access to 8 international and Polish language data bases. Medical students' access to the libraries is unrestricted and there is a sufficiency of study areas, library-information systems, viewing facilities and computers to meet the needs of faculty, researchers, residents and students. There is an active interchange loan program with numerous European university and medical libraries.

RESEARCH AT JUCM:

In 2004, more than 500 active research programs were being pursued at **JUCM** involving every one of its administrative units. These were funded largely through various government sources, with additional funding from industry, European scientific organizations and private foundations. In 2004, the total funding for research amounted to US\$9,6 million. Faculty continuously publish in peer-reviewed journals in Polish and in diverse European and US journals.

Medical students in the **SOME**P pursue their thesis work utilizing the libraries and both the Faculty's research and student laboratories. A scientific exchange program involves numerous foreign universities in Europe, Japan, Asia and North America.

STUDENT-ORIENTED FACILITIES:

These include several hostels/dormitories, dining facilities, a student lounge and recreational facilities. Access to and into the city is easy and Krakow offers a great variety of social and cultural resources.

CURRICULUM

The medical curriculum consists of **4** or **6 year** courses of studies. A year equals 30 weeks of instruction plus pre-clinical preparation in the summer(s) before the clinical

curriculum begins. The curriculum embodies >5,500 credit hours and is divided among three main categories: basic theoretical education (1st and 2nd years in the 6-year program); pre-clinical subjects (3rd and 4th years in the 6-year program; 1st and 2nd years in the 4-year program); clinical clerkships (last 2 years). The last year is devoted to advanced clinical clerkships, medical specialties, and subinternships. Up to 50% of clinical clerkship time may be pursued off-site.

On petition, A limited number of leaves of absence may be granted. Upon **SOME**P approval, credit may also be awarded for courses pursued elsewhere.

Classroom instruction for the pre-clinical curriculum of the **SOME**P is in English utilizing British and American texts, data bases and other resources. Instruction proceeds in parallel with the mainstream curriculum in terms of topic coverage and duration. Moreover, since all ICM and clinical activities involving patients require competency in the Polish language, intensive instruction in Polish is integral within the **SOME**P curriculum. Students must demonstrate proficiency in Polish or be barred from further studies until they have fulfilled this requirement.

The curriculum is described in exhaustive detail by department, lecture/laboratory/practical/study topic, required and recommended readings on a weekly and credit hour basis (see reference 3, above). Examination policies and practices are described in reference 4 (above), together with exhaustively detailed responses to the Questionnaire embodying a course-by-course examination schedule with dates and specific topical coverage.

Every course offers frequent self-examinations and requires satisfactory performance on midterm and final oral, written and laboratory/practical examinations before a student may progress to the next phase of the curriculum. Grading is on a 5-point scale.

Attendance in classes is strongly recommended. Attendance at and participation in laboratory/practical exercises and seminars is mandatory and enforced by requiring students to have attendance records signed at every occasion. If such an exercise is missed, a valid excuse must be submitted. Makeups may be permitted for cause. A student faces disciplinary proceedings if s/he misses more than 2 such sessions.

NOTE: In the course of their clinical years, students may undertake core and/or advanced clerkships and subinternships in other (often their home) countries. JUCM apparently does not prescribe nor select such target institutions other than to specify that the host hospitals must be university teaching hospitals or teaching hospitals affiliated with a local university (medical school). No formal affiliation agreements exist between JUCM and such institutions. JUCM does not identify any specific individuals at these institutions who might carry any responsibility for the academic quality of the instruction or the students' welfare.

Students may spend up to 50% of the time ordinarily devoted to clinical clerkships off-site but JUCM recommends against utilizing the next-to-last clinical year for such instruction. Consequently, the bulk of off-site training is accomplished in the final year. No specific information is provided on guidance/recommendations as to how these clerkships are selected by the students, their location, nature, content or supervision, except as noted below.

The prescribed procedure for attending an off-site clerkship stipulates that the student should write to the Chair of the JUCM Council and include a plan for the proposed rotation. This should be in compliance with JUCM's academic schedule, the duration of the rotation and supported by a letter of acceptance from the host institution. Some additional and routine stipulations refer to the student being in good standing, fulfilling all his/her obligations to the SOMEPE, and continuing to pay full tuition there.

The student's choice must be approved by the Chair of the JUCM Council and only after receipt of a letter of acceptance from the prospective host institution. Some specific requirements and recommendations are provided about content and duration for a few specifically identified clerkships.

Quality assessment of off-site clerkships by JUCM amounts to review of the Student's Evaluation Form completed by the clerkship supervisor and submitted to JUCM. This should be supported by a detailed, signed report speaking to procedures performed and total time devoted to specific items in the clerkship. These documents are then forwarded to the JUCM counterpart clerkship supervisor for approval.

Through a special arrangement with the Norwegian Ministry of Health, Norwegian citizens in the SOMEPE are permitted to complete an unspecified number (which may be all!) of their clinical studies in Norwegian hospitals which are responsible for the quality of the rotations completed.

This responsibility may not be delegated in the case of US and Canadian hospitals hosting **SOME**P students as no appropriate counterpart certifying authority exists in these 2 countries.

The documentation states that students are not required to provide information on their off-site experiences to **JUCM** nor is the School obligated to collect such data. The documentation further states that, according to Polish law, **JUCM** may not disclose such information to third parties!

As currently administered and practiced, this constellation pertaining to off-site clinical experiences poses a serious obstacle to recognition of the SOMEP by the DOL at this time. (See **Summary and Recommendations**).

Note: US students in the SOMEP may take Part I of the USMLE after the 2nd year of the 4-year program. No information is presented as to how many of the 67 US students enrolled over the past 12 years sat for the USMLE, nor about individual or collective pass rates.

Further, **JUCM** does not require students to take/pass the USMLE. It does not collect such data, nor any data on their applications/successes with the NRMP match program.

Completion of the final year of formal studies is followed by a comprehensive State examination consisting of written and oral components, and submission of a thesis. The State examination may be taken in English.

A diploma or degree is awarded upon satisfactory completion of these and all other requirements.

Every student's **Progress** is closely monitored and evaluated in each course in accord with a 5-point grading scale and depends on performance on semi-final written, oral and practical examinations in each course. The final examinations are followed by obligatory practicals in laboratory and/or hospital settings, as appropriate.

Strict adherence is required to each and every element of student evaluation, attendance (with sign-ins and maintenance of log books), dates and times for taking examinations, etc. On petition, one re-take of a failed examination is permitted. If permitted, a failed retake requires repeat of the course.

Students are required to write a thesis. Their choice of topic must be approved by the relevant department. The completed work must be approved before the diploma/degree is awarded.

With mandatory fulfillment of these requirements, as is the case for all components and requirements of the mainstream medical education program, the **SOMEPE** curriculum is essentially identical with and initially proceeds in parallel with the mainstream medical curriculum. It is eventually completely integrated into the mainstream program.

STUDENTS

Students are admitted to the **SOMEPE** after completion of college or high school which, in Europe, includes the US equivalent of the first 2 years of college. Unless possessing a baccalaureate degree or equivalent, applicants must pass a comprehensive **Entrance Examination** covering topics in biology, physics, and chemistry. Proficiency in English is also evaluated.

Other items required of applicants for admission include a curriculum vitae, records of prior academic work (degree/diploma/certificate), GPA, letters of recommendation (optional), medical certification of health, immunizations and freedom from HIV/AIDS, birth certificate, documentation of citizenship/permanent residency, passport pictures, and financial ability to finance the entire course of study.

Data on applicants' average or range of GPAs are not to hand.

Students may transfer in advanced standing into years 2 or 3 after review and approval of their credentials. Applicants for admission into advanced standing may gain exemption from some courses depending on their prior studies and performance.

FACULTY

The **SOMEPE** faculty consists of a comprehensive, competent and well-organized teaching faculty which conducts a logically ordered, comprehensive medical educational program along traditional European lines. Most are long-standing members of the **JUCM faculty**.

All faculty members are established medical educators. The physician faculty practice their professions in the University Hospitals and Clinics. Faculty members

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All faculty members are established medical educators. The physician faculty practice their professions in the University Hospitals and Clinics. Faculty members

participate in and publish their research findings in both national and internationally recognized journals.

Faculty teaching in the **SOME**P in the pre-clinical years are bi- or tri-lingual, as are many faculty teaching in the clinical years. Lectures, seminars, rounds and case presentations may be held in English and/or Polish but all interactions between students and patients take place in the Polish language.

FINANCIAL MATTERS

JU and **JUCM** are financed by Ministries of the Polish Government. Specific itemization of the budget is provided in the replies to the Questionnaire. The **SOME**P is entirely self-supporting. A significant fraction of the **SOME**P budget is derived from student support funds from the US Department of Education through the Stafford Student Loan Program.

SUMMARY:

This review and analysis is based on the documentation concerning its **English Language Program in Medical Education** provided by the **JAGIELLONIAN UNIVERSITY COLLEGIUM MEDICUM - SCHOOL OF MEDICINE** in Krakow, Poland. There seems no reason to doubt that students enrolled in and graduating from the **SOME**P obtain a medical education equivalent to that offered to the native-language speakers in the same facilities and on a par with that in most European federally-sponsored medical schools. However, several issues require address and clarification before a judgment can be rendered as to whether to recommend recognition by the **DOL**.

UNRESOLVED ISSUES:

Several issues pertaining to **off-site clinical clerkships** are of concern. To wit:

- 1) The absence of formal affiliation agreements between **JUCM** and actual/potential host institutions elsewhere for clinical clerkships is of concern. Students may pursue a large proportion of their core and specialty clinical rotations elsewhere. Indeed, the documentation does not provide any information on these sites. This item needs clarification about the location, nature, administration, quality assurance and supervision at these sites; how they are selected and reviewed, and more specific documentation about the activities of and resources at these sites. (See **Curriculum**, above).

* Applicants from **SOME**P for clinical training in California are likely to be few in number since the US complement in the program is relatively small.

* Since **SOME**P stipulates that off-site clinical clerkships must take place in university- or university-affiliated hospitals, the lack of a specifically designated off-site clerkship director responsible for oversight of **SOME**P students may not be a critical obstacle to recognition, per se.

* Potential applicants for clerkships or residencies could request a waiver. Requests to participate in clinical clerkships in California would only be considered from students in their last clinical year and could be time limited. Applicants could be required to submit the following to a designated **DOL** delegate for review and recommendations:

For final year medical students applying for clerkships:

Their USMLE I and II officially authenticated test scores;
The Clinical Skills Examination evaluations;
Signed evaluations from other clerkship directors;
A letter of endorsement from the Director of the **SOME**P to the effect that all **SOME**P requirements have been satisfied; and
Demonstrated proficiency in English.

For graduates applying for residencies:

All of the above with the additional stipulations that they shall have received the M.D. degree or a diploma and have passed the ECFMG and/or TOEFL examinations, as may be appropriate.

The **DOL**'s delegate would evaluate these materials and, as may be appropriate, recommend that the **DOL** grant or deny the waiver.

2) There is a question as to how well the **SOME**P prepares graduates for residencies in US hospitals. The program claims not to have any data on US graduates' performance in the NRMP nor their success in gaining residencies and their performance therein. Possible approaches to address this issue include the following:

*) **JUCM** might request such information from the NRMP for submission to the **DOL**. (Does Polish law prohibit this?).

*) **JUCM** might petition NRMP to provide this information directly to the **DOL**.

*) **DOL** might request these data directly from the NRMP - with or without a letter of authorization from **JUCM**.

All costs associated with these approaches would be borne by the **SOME**P.

3) The apparent absence of topical coverage of **pain and end of life** in the curriculum could be addressed by means of correspondence with Professor Piotr Laidler, the official responsible for replies to the Questionnaire.

ON THE MATTER OF OFFICIAL RECOGNITION OF THE SOMEP:

If, as and when the above matters have been addressed and resolved to the **Division's** satisfaction, the matter of recognition of the **SOME**P may be taken up.

If the **Division's** questions are resolved satisfactorily, approval may be recommended for students in their last clinical year to participate in clerkships in California and for graduates to participate in residencies. To become eligible for licensure to practice medicine in the State of California they must also have passed USMLE III and have satisfied all additional statutory requirements applicable to US and Canadian applicants.

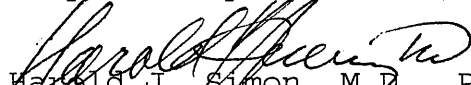
A further condition for recognition of **SOME**P might stipulate periodic reviews of this program, possibly at 5-year intervals. (Perhaps site visits should eventually be arranged for the other European English Language medical programs recognized by the Division, as well).
The above recommendations are based on the following:

- *The expectation that the problems and issues identified in this review will have been resolved to the **Division's** satisfaction.
- *The distinguished history and reputation of the **JAGIELLONIAN UNIVERSITY** and its **SCHOOL OF MEDICINE**
- *The **JUCM's** comprehensive mainstream pre-clinical and clinical educational programs. After specifically arranged pre-clinical education in English, and having passed a proficiency examination in the Polish language,

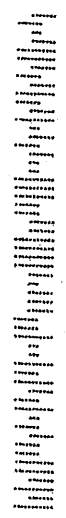
international students enrolled in the **SOME**
participate fully in the mainstream curriculum. Their
medical education is essentially identical with that of
the students in the mainstream program and closely
parallels that in LCME accredited institutions (with
apparently much closer supervision of individual
students' progress and behavior);

- *The **JUCM's** widely recognized faculty;
- *The **JUCM's** comprehensive pre-clinical and clinical facilities and other resources;
- *The **JUCM's** educational and service roles in the primary, secondary and tertiary medical arenas;
- *The **JUCM's** University and affiliated hospitals' teaching and service functions as a major referral center for the region;
- *Acceptance of **JUCM** medical graduates to practice in numerous other countries; and
- *The **JUCM's** functioning under close governmental oversight.

Respectfully submitted,


Harold J. Simon, M.D., Ph.D.
Consultant

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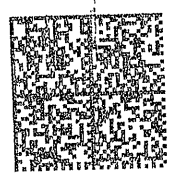
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Pat Park, Licensing Program
Medical Board of California
1426 Howe Avenue, Suite 54
Sacramento, CA 95825-3236

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LICENSING PROGRAM

9500 GILMAN DRIVE
LA JOLLA, CALIFORNIA 92093-0622

July 5, 2006

To: Division of Licensing
Medical Board of California

Attn: Ms Pat Park, Associate Analyst
Licensing Program

From: Harold J. Simon, M.D., Ph.D.

Original 7-5-06
report.
Subsequently revised
and resubmitted w/
5-3-07 report.

Subject: Review of and Comments on Documents Provided
by the **JAGIELLONIAN UNIVERSITY COLLEGIUM MEDICUM
(JUCM) - SCHOOL OF MEDICINE IN ENGLISH (SOMEPE)** at
Krakow, Poland, for the education of medical
students.

The Division of Licensing (**DOL**) has requested a review of materials provided by **JUCM-SOMEPE**. These were submitted in pursuit of a request for recognition of **JUCM-SOMEPE** by the **DOL** to enable their students and graduates to participate in clinical clerkships and graduate clinical training programs in California and - provided all other requirements have been satisfied - to become eligible for licensure to practice medicine in this State.

The ensuing narrative is based on study and analysis of the following:*

- 1) Responses to the Division's **Questionnaire** and attachments.
- 2) Information concerning Poland's governmental financing, supervision, administration and evaluation of medical education at **JUCM**.
- 3) Two booklets entitled, **JUCM-SOMEPE CURRICULUM DESCRIPTION: INFORMATION FOR 4-YEAR PROGRAM STUDENTS** and **6-YEAR PROGRAM STUDENTS FOR 2004/2005**, respectively. (Presented in lieu of attachment 2 in item 4, below).

The booklets offer the following:

- *Lists, content and hours of courses by year of study.
- *Lists of required readings for each course.

***NOTE:** Unless indicated otherwise, the following narrative refers exclusively to matters concerning the **SOMEPE**.

- *Identification of the principal goals, topics, didactic and practical activities, teaching aids, and the methods of evaluation and examination for each course and clerkship.
 - *Stipulations governing clerkships abroad.
 - *Requests for anonymous students' questionnaire-based evaluations of the programs.
- 4) A set of 12 attachments (numbered 1 to 13, with item (3), above, in lieu of attachment 2). The attachments consist of
- *The Jagiellonian University Mission Statement.
 - *An Example of a Diploma.
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 - *Statement of **JUCM** ownership (in English).
 - *Copies of affiliation agreements between **JUCM** and teaching hospitals in Krakow.
 - *Copies of course and clerkship evaluation forms.

NOTE: Replies to the DOL questionnaire comprehensively address almost every topic posed therein. In consequence, this review and analysis will briefly address the major issues and focus on matters requiring additional information.

OVERVIEW:

Documentation about **JUCM's Statement of Objectives and Mission, Charter, and Governance** are provided in reference 4 (above) and fulfill the **DOL's** requirements in these dimensions.

JU is chartered by and under the aegis of the Government of Poland, a member of **OECD**. Diverse functions relating to **JUCM** are subsumed by the Ministries of Education, Health, Science and Treasury, respectively. **SOME**P is administered within **JUCM** under the direction of the **JU** central administration.

JU is one of Europe's oldest universities, having been in existence continuously since 1364 through several ups and downs of Poland as an independent nation. **JUCM's** professional degrees have been recognized by and its graduates have been practicing for many decades in numerous countries.

JUCM is situated in Krakow, Poland's second largest city and its capital in former times. Krakow has a long history as a major economic and cultural center.

Graduates of the **SOMEPE** are eligible to practice in Poland after satisfying all requirements, passing the mandatory oral and written State Examinations and completing a thesis. US students are eligible to sit for the USMLE and are eligible for Stafford Loans through the US Department of Education.

All **SOMEPE** programs require approval by the Faculty Assembly, and are further subject to approval by the Ministry of Education.

JUCM also offers programs in nursing, social work, health management, pharmacy, physiotherapy and paramedical fields, and teaches team approaches to medical care.

The **SOMEPE** was established in 1994 and is patronized by a broad range of international students mainly from Norway, Canada and the US - a total of 67 from the US since inception of the **SOMEPE** 12 years ago - and a smattering from several other countries. The curriculum conforms to the requirements prescribed by the Association of European Medical Schools in 1993. The **SOMEPE** offers two study programs:

The 4-year program, designed primarily for US and Canadian students, is open to international students who have completed a course of undergraduate college study leading to a baccalaureate degree or its equivalent; and

The 6-year program for international students who have completed their secondary education and are eligible for admission to medical school in their native countries.

Neither program is open to Polish nationals but is open to applicants of Polish extraction residing in other countries.

The 6-year program's curriculum begins with 2 years of premedical studies, followed by 2 years of preclinical and 2 years of clinical instruction.

The 4-year program's curriculum depends on the premedical education having been completed satisfactorily prior to entry into the **SOMEPE** and proceeds identically with the last 4 years of the 6-year program and the mainstream curriculum.

JU's principal responsibility is to educate Polish citizens and **JUCM** addresses primarily Poland's needs for physicians. **SOMEPE** is an add on to **JUCM's** principal obligations and - undoubtedly not incidentally - a significant source of additional income both for the institution and the faculty.

In 2004/5, the total **JUCM** medical student enrollment numbered **2204** of which **325** were enrolled in the **SOMEPE**. (In 2005/6 **SOMEPE** enrolled 335 students (230 in the 6-year and 105 in the 4-year programs, respectively). Tuition for the 4-year program amounts to \$40,000 and \$63,500 for the 6-year program exclusive of any additional costs for special instructional needs such as books, tutorials, repeat examinations, and of the costs of living - room (dormitory charge is \$2,500 per 9 month academic year), board, transportation, entertainment, etc.

The typical applicants to admissions ratio for the **SOMEPE** is 3:1. The single annual entering class usually numbers 60 students.

The **SOMEPE** premedical and preclinical courses are taught in English by **345** of the **785** full time **JUCM** faculty who possess the requisite language and linguistic skills. By the time students reach the clinical years, they will have acquired the ability to converse in Polish to meet the demands of the clerkships or be denied access until a deficiency is overcome.

The principal difference between the mainstream and **SOMEPE** curriculae consists of intensive required instruction in medical Polish for 2 years in the latter. O p t i o n a l instruction in Conversational Polish can be pursued throughout except for the first clinical year. The **SOMEPE** curriculum is otherwise identical with the mainstream curriculum.

Special tutorials/seminars in any course may be arranged for students in the **SOMEPE** on payment of a tutorial fee. Faculty involved in such activities are barred from any role in examinations in the curriculum involving the topics they teach in the tutorials.

NOTE: All items specified in section 2089(b) of the Business and Professions Code are addressed in the curriculum with the exception of **pain** and **end of life** topics which are not specifically identified as such.

FACILITIES:

JUCM's physical plant consists of 23 fully owned and 5 leased buildings embodying a comprehensive assemblage of hospitals, clinics, lecture halls, offices, student- and research laboratories, libraries and dormitories. These facilities are fully equipped with modern appurtenances to meet the clinical, instructional, research, and administrative needs and purposes of the institution and the community served.

JUCM is the region's referral center, the most important resource for day-to-day medical care up to and including the most advanced medical and surgical procedures. It serves the needs of Krakow's 725,000 and the surrounding region's 3,500,000 residents. The eight teaching hospitals in Krakow embody 1,895 teaching beds in every clinical discipline. The numerous clinics subserving primary, secondary and tertiary medical care saw 314,000 ambulatory patient visits in 2004. All facilities are publicly owned and managed by the University. Copies in English translation of formal affiliation agreements between **JUCM** and clinical facilities in Krakow have been supplied in response to the DOL questionnaire.

NOTE: **JUCM** states that there are no formal affiliation agreements with clinical facilities elsewhere in Poland or abroad. In fact, and notwithstanding that students in the clinical year of the **SOMEPEP** may take a significant part of their advanced clerkships off-site in the course of their clinical years, the **JUCM** administration claims to keep no records of where these activities take place. The student's work in these institution is evaluated and recorded on a form supplied to the host facility and returned to **JUCM**. Student evaluations of these clerkships also have to be submitted to **JUCM** but their eventual fate is not apparent. (See Curriculum, Summary, and Recommendations).

JUCM staff provides a comprehensive range of CME opportunities for physicians of the region and elsewhere to fulfill the State-mandated requirements.

All **Teaching and research** activities are conducted at the diverse facilities in Krakow in mostly modern or renovated buildings. Current construction projects include a new cantine with sports facilities, a new lecture hall/laboratory building and diverse projects aimed at renovating and upgrading existing hospitals and clinics.

All preclinical science courses include practical exercises conducted in well-equipped student laboratories. Requirements are met for effective address of A/V needs, illustration, photography, electronics, computer/data processing, machine shop, etc.

Library resources include the **JU** central library, the **JU** Institutes Library, the Medical Library and 66 departmental libraries housing almost 4 million volumes, a large collection of journals in every scientific and medical discipline and on-line access to 8 international and Polish language data bases. Medical students' access to the libraries is unrestricted and there is a sufficiency of study areas, library-information systems, viewing facilities and computers to meet the needs of faculty, researchers, residents and students. There is an active interchange loan program with numerous European university and medical libraries.

RESEARCH AT JUCM:

In 2004, more than 500 active research programs were being pursued at **JUCM** involving every one of its administrative units. These were funded largely through various government sources, with additional funding from industry, European scientific organizations and private foundations. In 2004, the total funding for research amounted to US\$9,6 million. Faculty continuously publish in peer-reviewed journals in Polish and in diverse European and US journals.

Medical students in the **SOMEPI** pursue their thesis work utilizing the libraries and both the Faculty's research and student laboratories. A scientific exchange program involves numerous foreign universities in Europe, Japan, Asia and North America.

STUDENT-ORIENTED FACILITIES:

These include several hostels/dormitories, dining facilities, a student lounge and recreational facilities. Access to and into the city is easy and Krakow offers a great variety of social and cultural resources.

CURRICULUM

The medical curriculum consists of **4** or **6 year** courses of studies. A year equals 30 weeks of instruction plus pre-clinical preparation in the summer(s) before the clinical

curriculum begins. The curriculum embodies >5,500 credit hours and is divided among three main categories: basic theoretical education (1st and 2nd years in the 6-year program); pre-clinical subjects (3rd and 4th years in the 6-year program; 1st and 2nd years in the 4-year program); clinical clerkships (last 2 years). The last year is devoted to advanced clinical clerkships, medical specialties, and subinternships. **Up to 50% of clinical clerkship time may be pursued off-site.**

On petition, A limited number of leaves of absence may be ted. Upon **SOME**P approval, credit may also be awarded for courses pursued elsewhere.

Classroom instruction for the pre-clinical curriculum of the SOMEP is in English utilizing British and American texts, data bases and other resources. Instruction proceeds in parallel with the mainstream curriculum in terms of topic coverage and duration. Moreover, since all ICM and clinical activities involving patients require competency in the Polish language, intensive instruction in Polish is integral within the SOMEP curriculum. Students must demonstrate proficiency in Polish or be barred from further studies until they have fulfilled this requirement.

The curriculum is described in exhaustive detail by department, lecture/laboratory/practical/study topic, required and recommended readings on a weekly and credit hour basis (see reference 3, above). Examination policies and practices are described in reference 4 (above), together with exhaustively detailed responses to the Questionnaire embodying a course-by-course examination schedule with dates and specific topical coverage.

Every course offers frequent self-examinations and requires satisfactory performance on midterm and final oral, written and laboratory/practical examinations before a student may progress to the next phase of the curriculum. Grading is on a 5-point scale.

Attendance in classes is strongly recommended. Attendance at and participation in laboratory/practical exercises and seminars is mandatory and enforced by requiring students to have attendance records signed at every occasion. If such an exercise is missed, a valid excuse must be submitted. Makeups may be permitted for cause. A student faces disciplinary proceedings if s/he misses more than 2 such sessions.

NOTE: In the course of their clinical years, students may undertake core and/or advanced clerkships and subinternships in other (often their home) countries. JUCM apparently does not prescribe nor select such target institutions other than to specify that the host hospitals must be university teaching hospitals or teaching hospitals affiliated with a local university (medical school). No formal affiliation agreements exist between JUCM and such institutions. JUCM does not identify any specific individuals at these institutions who might carry any responsibility for the academic quality of the instruction or the students' welfare.

Students may spend up to 50% of the time ordinarily devoted to clinical clerkships off-site but JUCM recommends against utilizing the next-to-last clinical year for such instruction. Consequently, the bulk of off-site training is accomplished in the final year. No specific information is provided on guidance/recommendations as to how these clerkships are selected by the students, their location, nature, content or supervision, except as noted below.

The prescribed procedure for attending an off-site clerkship stipulates that the student should write to the Chair of the JUCM Council and include a plan for the proposed rotation. This should be in compliance with JUCM's academic schedule, the duration of the rotation and supported by a letter of acceptance from the host institution. Some additional and routine stipulations refer to the student being in good standing, fulfilling all his/her obligations to the SOMEPE, and continuing to pay full tuition there.

The student's choice must be approved by the Chair of the JUCM Council and only after receipt of a letter of acceptance from the prospective host institution. Some specific requirements and recommendations are provided about content and duration for a few specifically identified clerkships.

Quality assessment of off-site clerkships by JUCM amounts to review of the Student's Evaluation Form completed by the clerkship supervisor and submitted to JUCM. This should be supported by a detailed, signed report speaking to procedures performed and total time devoted to specific items in the clerkship. These documents are then forwarded to the JUCM counterpart clerkship supervisor for approval.

Through a special arrangement with the Norwegian Ministry of Health, Norwegian citizens in the SOMEPE are permitted to complete an unspecified number (**which may be all!**) of their clinical studies in Norwegian hospitals which are "...responsible for the quality of the rotations completed."

This responsibility may not be delegated in the case of US and Canadian hospitals hosting **SOME**P students as no appropriate counterpart certifying authority exists in these 2 countries.

The documentation states that students are not required to provide information on their off-site experiences to **JUCM** nor is the School obligated to collect such data. The documentation further states that, according to Polish law, **JUCM** may not disclose such information to third parties!

As currently administered and practiced, this constellation pertaining to off-site clinical experiences poses a serious obstacle to recognition of the SOMEP by the DOL at this time. (See **Summary and Recommendations**).

Note: US students in the SOMEP may take Part I of the USMLE after the 2nd year of the 4-year program. No information is presented as to how many of the 67 US students enrolled over the past 12 years sat for the USMLE, nor about individual or collective pass rates.

Further, **JUCM** does not require students to take/pass the USMLE. It does not collect such data, nor any data on their applications/successes with the NRMP match program.

Completion of the final year of formal studies is followed by a comprehensive State examination consisting of written and oral components, and submission of a thesis. The State examination may be taken in English.

A diploma or degree is awarded upon satisfactory completion of these and all other requirements.

Every student's **Progress** is closely monitored and evaluated in each course in accord with a 5-point grading scale and depends on performance on semi-final written, oral and practical examinations in each course. The final examinations are followed by obligatory practicals in laboratory and/or hospital settings, as appropriate.

Strict adherence is required to each and every element of student evaluation, attendance (with sign-ins and maintenance of log books), dates and times for taking examinations, etc. On petition, one re-take of a failed examination is permitted. If permitted, a failed retake requires repeat of the course.

Students are required to write a "thesis". Their choice of topic must be approved by the relevant department. The completed work must be approved before the diploma/degree is awarded.

With mandatory fulfillment of these requirements, as is the case for all components and requirements of the mainstream medical education program, the **SOME**P curriculum is essentially identical with and initially proceeds in parallel with the mainstream medical curriculum. It is eventually completely integrated into the mainstream program.

STUDENTS

Students are admitted to the **SOME**P after completion of college or high school which, in Europe, includes the US equivalent of the first 2 years of college. Unless possessing a baccalaureate degree or equivalent, applicants must pass a comprehensive **Entrance Examination** covering topics in biology, physics, and chemistry. Proficiency in English is also evaluated.

Other items required of applicants for admission include a curriculum vitae, records of prior academic work (degree/diploma/certificate), GPA, letters of recommendation (optional), medical certification of health, immunizations and freedom from HIV/AIDS, birth certificate, documentation of citizenship/permanent residency, passport pictures, and financial ability to finance the entire course of study.

Data on applicants' average or range of GPAs are not to hand.

Students may transfer in advanced standing into years 2 or 3 after review and approval of their credentials. Applicants for admission into advanced standing may gain exemption from some courses depending on their prior studies and performance.

FACULTY

The **SOME**P faculty consists of a comprehensive, competent and well-organized teaching faculty which conducts a logically ordered, comprehensive medical educational program along traditional European lines. Most are long-standing members of the **JUCM faculty**.

All faculty members are established medical educators. The physician faculty practice their professions in the University Hospitals and Clinics. Faculty members

2) Matters pertaining to the **USMLE** for **SOME**P students:

Taking/passing the USMLE parts 1 and 2 is not required for **SOME**P students to progress in the program or to commence clinical studies. The documentation states that US students may and do take these examinations. However, the School does not maintain or record names, scores or pass rates. The same holds for records of graduates' successes with regard to the **NRMP**. This raises serious questions concerning quality assessment of the curriculum and preparation of graduates for their further education.

A statement to the effect that **JUCM** is beginning to use NBME shelf examinations may be taken as a first step toward preparation of students specifically for the USMLE. It does not, however, address the issues of quality assessment and preparation in the previous paragraph.

3) The absence of specific identification of **pain** and **end of life** topics from the list of items covered in the curriculum.

CONCLUSIONS AND RECOMMENDATIONS:

The following addresses the issues precluding an immediate recommendation for recognition of the **JUCM-SOME**P by the **Division**:

1) **The problems with the off-site clinical clerkships.**

As this reviewer interprets the California statutes there is no possibility of according the requested recognition at this time. **SOME**P's current practices with regard to off-site education and matters of Polish law, which apparently prohibit providing specific information about student activities to third parties, can probably not be reconciled with California's requirements. Although **JUCM-SOME**P should be advised to change their practices with regard to off-site education of their students, this may not happen.

However, there may a possibility to address these issues by means of a waiver and substitution of other criteria for a resolution of this dilemma in individual cases. To wit:

* The **SOME**P is a small part of **JUCM**, an old, well established and highly regarded School of Medicine.

* Applicants from **SOME**P for clinical training in California are likely to be few in number since the US complement in the program is relatively small.

* Since **SOME**P stipulates that off-site clinical clerkships must take place in university- or university-affiliated hospitals, the lack of a specifically designated off-site clerkship director responsible for oversight of **SOME**P students may not be a critical obstacle to recognition, per se.

* Potential applicants for clerkships or residencies could request a waiver. Requests to participate in clinical clerkships in California would only be considered from students in their last clinical year and could be time limited. Applicants could be required to submit the following to a designated **DOL** delegate for review and recommendations:

For final year medical students applying for clerkships:

Their USMLE I and II officially authenticated test scores;
The Clinical Skills Examination evaluations;
Signed evaluations from other clerkship directors;
A letter of endorsement from the Director of the **SOME**P to the effect that all **SOME**P requirements have been satisfied; and
Demonstrated proficiency in English.

For graduates applying for residencies:

All of the above with the additional stipulations that they shall have received the M.D. degree or a diploma and have passed the ECFMG and/or TOEFL examinations, as may be appropriate.

The **DOL**'s delegate would evaluate these materials and, as may be appropriate, recommend that the **DOL** grant or deny the waiver.

2) There is a question as to **how well the SOME**P prepares **graduates for residencies in US hospitals**. The program claims not to have any data on US graduates' performance in the NRMP not their success in gaining residencies and their performance therein. Possible approaches to address this issue include the following:

*) **JUCM** might request such information from the NRMP for submission to the **DOL**. (Does Polish law prohibit this?).

*) **JUCM** might petition NRMP to provide this information directly to the **DOL**.

*) **DOL** might request these data directly from the NRMP - with or without a letter of authorization from **JUCM**.

All costs associated with these approaches would be borne by the SOMEPE.

3) The apparent absence of topical coverage of **pain and end of life** in the curriculum could be addressed by means of correspondence with Professor Piotr Laidler, the official responsible for replies to the Questionnaire.

ON THE MATTER OF OFFICIAL RECOGNITION OF THE SOMEPE:

If, as and when the above matters have been addressed and resolved solved to the **Division's** satisfaction, the matter of recognition of the **SOMEPE** may be taken up.

If the **Division's** questions are resolved satisfactorily, approval may be recommended for students in their last clinical year to participate in clerkships in California and for graduates to participate in residencies. To become eligible for licensure to practice medicine in the State of California they must also have passed USMLE III and have satisfied all additional statutory requirements applicable to US and Canadian applicants.

A further condition for recognition of **SOMEPE** might stipulate periodic reviews of this program, possibly at 5-year intervals. (Perhaps one site visit for all Hungarian, Czech and Polish **ELP's** recognized by the **DOL**).

The above recommendations are based on the following:

- *The expectation that the problems and issues identified in this review will have been resolved to the **Division's** satisfaction;
- *The distinguished history and reputation of the **JAGIELLONIAN UNIVERSITY** and its **SCHOOL OF MEDICINE**;
- *The **JUCM's** comprehensive mainstream pre-clinical and clinical educational programs. After specifically arranged pre-clinical education in English, and having passed a proficiency examination in the Polish language,

international students enrolled in the **SOME** participate fully in the mainstream curriculum. Their medical education is essentially identical with that of the students in the mainstream program and closely parallels that in LCME accredited institutions (with apparently much closer supervision of individual students' progress and behavior);

- *The **JUCM's** widely recognized faculty;
- *The **JUCM's** comprehensive pre-clinical and clinical facilities and other resources;
- *The **JUCM's** educational and service roles in the primary, secondary and tertiary medical arenas;
- *The **JUCM's** University and affiliated hospitals' teaching and service functions as a major referral center for the region;
- *Acceptance of **JUCM** medical graduates to practice in numerous other countries; and
- *The **JUCM's** functioning under close governmental oversight.

Respectfully submitted,


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