

Charles University in Prague
3rd Faculty of Medicine

Prague 2003/2004

**UNIVERSITAS
CAROLINA
PRAGENSIS**



Charles University in Prague

3rd Faculty of Medicine

ESSENTIAL STUDY GUIDE

**List of Study Programs and Departments
Academic Year 2003/2004**



Prague 2003

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3rd FACULTY OF MEDICINE

**CHARLES UNIVERSITY
IN PRAGUE**

ESSENTIAL INFORMATION

CHARLES UNIVERSITY ADMINISTRATION

RECTOR:

Prof. Ing. Ivan Wilhelm, CSc.
rektor@ruk.cuni.cz

PRORECTORS:

Prof. MUDr. Pavel Klener, DrSc.
Research and Development
veda@prorektor.cuni.cz

Prof. MUDr. Josef Stingl, CSc.
International relations
zahran@prorektor.cuni.cz

Prof. Eva Kvasničková, CSc.
Social affairs
soc@prorektor.cuni.cz

Doc. RNDr. Jaroslava Svobodová, CSc.
Student affairs
stud@prorektor.cuni.cz

Doc. PhDr. Michal Šobr, CSc.
External affairs
vnvztahy@prorektor.cuni.cz

Doc. PhDr. Stanislav Štech, CSc.
University development
rozvoj@prorektor.cuni.cz

QUESTOR:

Ing. Josef Kubíček
kvestor@ruk.cuni.cz

RECTOR'S OFFICE:

Ovocný trh 5, 116 36 Praha 1
tel.: +420-224 491 111
fax: +420-224 210 695, 224 210 663
<http://www.cuni.cz>

3RD FACULTY OF MEDICINE ADMINISTRATION

DEAN:

Doc. MUDr. Bohuslav Svoboda, CSc.
bohuslav.svobodaf3@lf3.cuni.cz

VICE DEANS:

Prof. MUDr. Jiří Horák, CSc.
Study reform
horak@fnkv.cz

Doc. MUDr. Daniela Janovská, CSc.
Student affairs and education
daniela.janovska@lf3.cuni.cz

Doc. RNDr. Eva Samcová, CSc.
English-speaking students
eva.samcova@lf3.cuni.cz

Prof. MUDr. Michal Anděl, CSc.
Research and Development
michal.andel@lf3.cuni.cz

Prof. MUDr. Pavel Haninec, CSc.
International relations
haninec@cesnet.cz

SECRETARY OF THE FACULTY

Doc. MUDr. Jozef Rosina
jozef.rosina@lf3.cuni.cz

OFFICE OF THE SECRETARY:

Marcela Doležalová
marcela.dolezalova@lf3.cuni.cz

DEAN'S OFFICE:

Ruská 87, 100 00 Praha 10
tel.: +420-267 102 233
fax: +420-267 311 812
<http://www.lf3.cuni.cz>

BASIC TEACHING PLACES OF 3RD FACULTY OF MEDICINE

Faculty Hospital Královské Vinohrady
The State Institute of Health in Prague
Psychiatric Center Prague

Bulovka Faculty Hospital
Institute of Mother and Child Care, Prague-Podolí
Thomayer Faculty Hospital with Health Center, Prague

AFFILIATED TEACHING PLACES OF 3RD FACULTY OF MEDICINE

Central Military Hospital, Prague
Homolka Medical Center
District Hospital in Pelhřimov

Nursing college Ruská
Hospital of Merciful Sisters of Saint Karel
Boromejský, Prague

COOPERATING INSTITUTIONS OF 3RD FACULTY OF MEDICINE

The State Institute of Health in Prague
Institute of Endocrinology, Prague

3RD FACULTY OF MEDICINE, DEAN'S OFFICE

100 00 Praha 10, Ruská 87, tel.: 267 102 – 111 (Switchboard), fax: 267 311 812

DEAN:

Doc. MUDr. Bohuslav Svoboda, CSc.
bohuslav.svoboda@lf3.cuni.cz

OFFICE OF DEAN'S SECRETARY:

Marcela Doležalová, ext. 233
sekretariat@lf3.cuni.cz

SECRETARY OF THE FACULTY:

Doc. MUDr. Jozef Rosina, ext. 236, 305
jozef.rosina@lf3.cuni.cz

STUDY DIVISION:

PhDr. Jindra Štávovalá, Head of the Division
tel.: 272 730 776; ext. 205

jindra.stavova@lf3.cuni.cz

Karla Budková, ext. 208, 207
karla.budkova@lf3.cuni.cz

Ing. Zdeňka Lásková, ext. 206
zdenka.laskova@lf3.cuni.cz

Hana Vlčková, ext. 208, 207
hana.vlckova@lf3.cuni.cz

Ludmila Zamrazilová, ext. 208
ludmila.zamrazilova@lf3.cuni.cz

OFFICE OF FOREIGN AFFAIRS AND STUDY REFORMS:

Hana Jarošová, ext. 260
Jarosova@pcp.lf3.cuni.cz

PERSONNEL DIVISION:

Věta Tomášková, Head of the Division
tel.: 272735614; ext. 232

vera.tomaskova@lf3.cuni.cz

Miluše Ramešová, ext. 231
miluse.ramesova@lf3.cuni.cz

Olga Sekavová, ext. 231

ECONOMY DIVISION:

Helena Volmuthová, ext. 237
– Head of the Division

Milan Mašek, ext. 237

Stella Neumannová, ext. 238

RESEARCH AND DEVELOPMENT DIVISION:

Blanka Alinčová, ext. 230, 363
blanka.alincova@lf3.cuni.cz

GRANT AGENDA:

Jana Jeníčková, ext. 229
jana.jenickova@lf3.cuni.cz

Kateřina Sojková, ext. 229
katerina.sojkova@lf3.cuni.cz

Květa Lánská, ext. 229

MAINTENANCE:

Vladimír Košátko, Head of the Division, ext. 128

Martina Nováková, ext. 107 (Filing room)

Bedřiška Adamková, ext. 111 (Switchboard)

Jan Kos, ext. 160

Josef Kincl, ext. 150

Jiří Kadlec, ext. 150

SCIENTIFIC COUNCIL

Chair:

- Doc. MUDr. Bohuslav Svoboda, CSc.

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Secretary of the Scientific Council:

Blanka Alinčová, tel.: 267 102 230

Foreign Members (with an advisory vote):

- Prof. J. M. BESSON
Insem, U 161–2 rue D` Alesia, 75 014 Paris, France
- Prof. Rita Rossi COLWELL
The National Science Foundation, 4201 Wilson
Boulevard, Arlington, Virginia 222 30, USA
- Prof. Sture FALKMER, M.D., PhD.
Department of Pathology, University Hospital,
Trondheim, Norway
- Prof. Paul GROF, M.D., F.R.C.P.
Ottawa Hospital, Dept. of Psych. 1145 Carling
Avenue Ottawa, K12 7 K4 Ontario, Canada
- Prof. Walter W. HOLLAND
Division of Community Health St. Thomas Hospital
Lamberth Palace Road London SE 1 7EH, England
- Prof. Miloš JENÍČEK, M.D.
McMaster University, 1200 Main Street West,
Hamilton, Ontario, L8N 3Z5, Canada
- Dr. med. Denis Laurent KAECH
Haed, Neurosurgery Department, Rätisches Kantons
und Regionalspital, CH–7000 CHUR, Swiss
- Prof. Klaus A. MICZEK
Dept. of Psychology Tufts University 490 Boston
Avenue, Medford Massachusets 02155, USA
- Prof. Hugues MONOD
Laboratoire de Physiologie Faculté de Medicine C. H.
U. Pitié Salpêtrière Université P. et M. Curie 35013
Paris, France
- Solomon L. MOSHÉ, M.D.
Professor of Neurology, Neuroscience & Pediatrics,
Albert Einstein College of Medicine, Bronx, NY, USA
- Prof. Karel RAŠKA, Jr., M.D., Ph.D.
University of Medicine and Dentistry of New Jersey
Robert Wood Johnson Medical School 675 Hoes
Lane Piscataway, New Jersey 08854–5635, USA.
- Prof. Norman SARTORIUS
1 avenue Gilbert Trolich 1209 Geneva, Swiss
- Prof. Dr. Robert SCHMIDT
Physiol. Institut Röntgenring 9 8700 Würzburg, BRD
- Prof. Jan VOLAVKA, M.D.
Nathan S. Kline Institute Orangeburg New York
10962, USA

ACADEMIC SENATE

Chair:

MUDr. David Marx – marx@fnkv.cz

Vice-chair:

MUDr. Alexander Martin Čelko, CSc.
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Members of the Teaching Staff of the Academic Senate:

Clinical Departments:

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Student Members

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Doc. MUDr. Petr Arenberger, DrSc.

Secretary of the Academic Senate:

Jana Jeníčková, tel.: 267 102 229
akademicky.senat@lf3.cuni.cz

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Chair:

Stella Neumannová, tel.:267 102 237

Members: Martina Nováková
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Vladimír Košátko, tel.: 267 102 128

Members: Jan Kos
Helena Volmuthová

COMMITTEE FOR STUDY EVALUATION

Chair:

Doc. MUDr. Daniela Janovská, CSc., tel. 267102337

Members: Doc. MUDr. Marek Bednář, CSc.
Doc. MUDr. Valér Džupa, CSc.
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PhDr. Jindra Šťavová

Students: Sholan Bunwaree
Patrick Neumann
Jan Trnka
Lucie Šmídková

COMMITTEE OF OCCUPATIONAL RISKS

Chair:

Doc. MUDr. Evžen Hrnčíř, CSc., tel.: 26716 2810

Members: Doc. MUDr. Monika Kneidlová, CSc.
Vladimír Košťátko
Doc. MUDr. Jozef Rosina
Marta Zezuláková

STUDY REFORM COMMITTEE

Heads of Cycles:

Prof. MUDr. Josef Stingl, CSc.
Prof. MUDr. Jiří Horák, CSc.
Prof. MUDr. Michal Anděl, CSc.

Heads of Modules:

Prof. MUDr. Richard Rokyta, DrSc.
Prof. MUDr. Richard Jelínek, DrSc.
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Doc. MUDr. Jana Málková
Doc. MUDr. Jan Bartoníček, DrSc.
Doc. MUDr. Bohuslav Svoboda, CSc.
Prof. MUDr. Kamil Provazník, CSc.
Prof. MUDr. Cyril Höschl, DrSc.
Doc. MUDr. Hana Provazníková, CSc.

Students: Tomáš Boráň
John Bekkenes
Josh Douglas
Ondřej Chudomel
Jiří Karásek
Jon Olav Ringsby
Eivinn Skjaereth
Roman Sýkora

RESEARCH AND DEVELOPMENT COMMITTEE

Chair:

Prof. MUDr. Michal Anděl, CSc., tel.: 267102230,
267162710

Members: Prof. MUDr. Jiří Horák, CSc.
Prof. MUDr. Josef Stingl, CSc. .
Prof. MUDr. Petr Widimský, DrSc. .
Prof. MUDr. Richard Jelínek, DrSc.
Prof. MUDr. Cyril Höschl, DrSc.
Prof. MUDr. Richard Rokyta, DrSc.
Prof. MUDr. Jan Lebl, CSc.
As. MUDr. Jiří Horáček, PhD.
MUDr. Štěpánka Průhová.

Student: Jan Trnka.

COMPUTER EQUIPMENT COMMITTEE

Chair:

Doc. MUDr. Jozef Rosina, CSc., tel.: 267 102 305

Members: Doc. MUDr. Marek Bednář, CSc.
Ing. Antonín Dvořák
Doc. MUDr. Milan Kment, CSc.
MUDr. Tomáš Kostrhun
Ing. Daniel Šuta, PhD.

Student: Zdeněk Hřib

COMMITTEE FOR PROTECTION OF ANIMALS USED IN EXPERIMENTS

Chair:

Prof. MUDr. Miloslav Kršiak, DrSc., tel.: 267 102 405

Members: Doc. RNDr. Ivo Bárta, CSc.
Doc. RNDr. Pavel Rödl, CSc.
Mgr. Petr Šmerák
MUDr. Ivan Štácha
RNDr. Hana Tejkalová
MUDr. Šimon Vaculín

INTERNATIONAL RELATIONS COMMITTEE

Chair:

Prof. MUDr. Pavel Haninec, CSc., tel.: 267 168 540

Members: MUDr. Jana Dáňová
MUDr. Jitka Patočková
PhDr. Marie Zvoničková

Student: Daniela Kotrbová

Research Goals

- MSM 111200001 Prevention, diagnostics and therapy of initial stages of diabetes and metabolic, endocrine and environmental damages of organism.
Co-ordinator:
Prof. MUDr. Michal Anděl, CSc.
- MSM 111200002 Prevention, diagnostics and therapy of initial stages of toxic and infectious damages of parenchymatous organs
Co-ordinator:
Prof. MUDr. Jiří Horák, CSc.
- MSM 111200003 Accident prevention and timely diagnostics and therapy of injuries
Co-ordinator:
Prof. MUDr. Josef Stingl, CSc.
- MSM 111200004 Invasion therapy of early stages of cardiac and cerebrovascular diseases in the prevention of later organ damages
Co-ordinator:
Prof. MUDr. Pavel Kalvach, CSc.
- MSM 111200005 Origin, prevention and therapy of nerve system
Co-ordinator:
Prof. MUDr. Richard Rokyta, DrSc.

Staff and Students in Academic Year 2003/2004

Undergraduate students	1198 (101 English-speaking students)
General Medicine: Students in Czech curriculum	817
Students in English curriculum	101
Bachelor's programs	280
Ph.D. students (Biomedicine):	132
Teaching staff (31.5.2003)	388
Academic senate	32 (16 students)

Czech Degrees and Academic Titles

Prof.	Professor
Doc.	Associate Professor
DrSc.	D.Sc.
MUDr.	M.D. (Doctor of Medicine)
PharmDr.	Pharm.D. (Doctor of Pharmacy)
PhDr.	Doctor of Philosophy (vaguely corresponds to M.A.)
Ph.D. (formerly CSc.)	Ph.D.
Mgr.	M.A.
Ing.	M.Sc. (engineering)

Curriculum of 3rd Faculty of Medicine, Charles University in Prague

Traditional way of teaching medicine launched world-wide at the beginning of 20th century does not meet current demands of education. The problem is caused mainly by a growing gap between constantly increasing amount of knowledge together with development of new methods and traditional structure of medical curriculum that is based on organization of faculty into traditional departments. The educational process in traditional curriculum is divided according to individual theoretical or clinical disciplines. Thus each discipline has its own textbook, department, chief lecturer as well as examiner. Horizontal interdisciplinary connections are minimal and students themselves are expected to create them. However, in reality the borders between current medical disciplines are disappearing and new marginal and interdisciplinary fields are emerging. These are difficult to integrate into traditional curriculum.

In the academic year 1996/97, the 3rd Faculty of Medicine established a new curriculum where medical studies are divided into 3 basic sections – two-year-cycles that differ, apart from other things, in methodical attitudes of education. Cycle I is an integrated study in terms 1–4, cycle II has an integrated part in term 5 and its bulk consists of problem-oriented study in terms 6–8. Cycle III (terms 9–12) is devoted to clinical training by rotating individual clinical departments. The cycles are further structured into smaller units – modules, courses and separated courses.

The basic modules in Cycle I are as follows: *Structure and Functions of Human Body* elucidating integrated findings in anatomy, histology, embryology, biochemistry and physiology; *Biology of the Cell and Genetics* module including biology, fundamentals of histology and embryology, chemistry and biochemistry of the cell, immunology and fundamentals of genetics; *Methodology*, explaining the basics of scientific methodology, biostatistics, epidemiology and evaluation of health risks; *Biophysics and Informatics* module elucidating fundamentals of medical biophysics, nuclear medicine, radiology and informatics. From the beginning of their studies, students encounter patients within the *Needs of the Patient* module, where they get the basic ideas about nursing techniques, first aid, psychology and medical ethics.

Foreign language education focused on medical terminology and the Czech language is included in the curriculum as well as physical training.

In year III, term 5, the module *Theoretical Foundations of Clinical Medicine* is taught integrating the knowledge of general pathology, pathological physiology, microbiology, immunology, genetics and pharmacology. In the following 3 terms, basic clinical problems divided into 19 courses are explained. The aim is to facilitate understanding of etiology and pathogenic mechanisms of the most common

diseases, to become familiar with their signs and symptoms, application and interpretation of tests and different methods of examination, as well as the basic treatment procedures.

In year V and VI the study is focused on clinical training which takes place at particular hospitals and clinical departments in Prague and/or outside of Prague.

STRUCTURE OF THE CURRICULUM:

I. Cycle (1. – 2. Year: Basic Biomedical Sciences)

– Head: Prof. MUDr. Josef Stingl, CSc.

Module A: Structure and functions of the human body

Module B: Cell biology and genetics

Module C: Biophysics and informatics

Module D: Needs of the patient

Module E: Methodology

Separated Course: Medical terminology (Latin)

Physical training

Course in the Czech language

II. Cycle (3. – 4. Year: Principles of Clinical Medicine)

– Head: Prof. MUDr. Jiří Horák, CSc.

Module A: Theoretical foundations of clinical medicine

Module B: Clinical propedeutics

Module C: Basic clinical problems

Module D: Compulsory optional courses

Separated Course:

Czech language – communication with patients

Physical training

Summer Practice in Nursing

Summer Practice in Internal Medicine

Summer Practice in Surgery

III. Cycle (5. – 6. Year: Clinical Preparation)

– Head: Prof. MUDr. Michal Anděl, CSc.

Module of Internal Medicine

Module of Surgery

Module of Neurobehavioral Sciences

Module of Gynaecology and Obstetrics

Module of Pediatrics

Module of Preventive and primary care

Separated courses:

Otorhinolaryngology

Ophthalmology

Dermatovenerology

Forensic Medicine

Critical Care

Infection & Geographic Medicine

Summer Practice in compulsory field

Tutors at 3rd Faculty of Medicine

In the academic year 2003/2004 newly established board of tutors started its activity. This board of tutors serves all students of master's and bachelor's programs without regard to their study language and year of study. The assignment of the board set by the Dean's Committee is as follows:

1. The tutors help students at the beginning of their studies to adapt to the university setting and to the new way of teaching within the integrated curriculum.
2. If needed they arrange contact between students and a responsible vice-dean or other officials of the faculty. They provide information about social and psychological help and services that are available for students.
3. They arrange and offer students counseling and guidance service to deal with study problems or difficult social situation.
4. They keep students informed about opportunities of students research activities and electives.

5. They participate actively in the analysis of feedback and evaluation of teaching process.
6. In the course of the cycle II and III they help students to choose their specialization and coach them for their future profession.

To summarize, the Board of Tutors serves students for swift and flexible solving problems connected directly with their study, as well as organizational and social problems, problems in the field of students' research, and matters connected with students future professions.

Tutors are at students' disposal usually upon previous appointment preferably by e-mail. In case of emergency it is possible to contact the coordinator of tutors MUDr. David Marx by phone call. (602 260 244).

Contact tutor for bachelor's programs is MUDr. A. Doubková, CSc.

Names of tutors, their workplaces and ways of contact

Name	Workplace	Contact
MUDr. Alena Doubková, CSc.	Dpt. of Anatomy	alena.doubkova@lf3.cuni.cz tel.: 267 102 510
doc. MUDr. Valér Džupa, CSc.	Clinical Ortopaedics– Traumatological Dpt.Ort	dzupa@fnkv.cz tel.: 267 163 172
Mgr. Vladimíra Kvasnicová	Division of Medical Chemistry and Biochemistry	vladimira.kvasnicova@lf3.cuni.cz tel.: 267 102 411
doc. MUDr. Milan Kment, CSc.	2 nd Clinical Dpt. of Internal Medicine	kment@fnkv.cz tel.: 267 162 706
MUDr. David Marx	Dpt. of Children and Adolescents	marx@fnkv.cz tel.: 267 162 554 mobil: 602 260 244 (in emergency)
doc. MUDr. Hana Provazníková, CSc.	Division of the Health of Children and Youth	hana.provaznikova@lf3.cuni.cz tel.: 267 102 333
doc. MUDr. Vlasta Rychterová, CSc.	Dpt. of Pathology	vlasta.rychterova@lf3.cuni.cz tel.: 267 163 302

Oath of Matriculation of Charles University in Prague

"I promise to properly exercise the rights and fulfil the duties as a member of the academic community at Charles University. I promise to respect the reputable humanistic and democratic tradition of Charles University, to regard to its good reputation and to study so that my activity yields universal good."

Wow of silence 3rd Faculty of Medicine

"I hereby solemnly declare that I shall keep silence about all known facts, especially those that concern patients, which I will learn during my studies for the academic distinction at the 3rd Faculty of Medicine."

Master of Arts Pledge

Promotor:

Doctorandi clarissimi, examinibus, quae ad eorum, qui in arte medica doctoris nomen ac honores consequi student, doctrinam et facultatem explorandam lege constituta sunt, cum laude superatis, nos adiistis desiderantes, ut vos eo honore in hoc solemniter consensu ornaremus.

Prius autem fides est danda, vos tales semper futuros, quales vos esse iubebit dignitas, quam obtinueritis, et nos vos fore speramus.

Spondebitis igitur

PRIMUM vos huius Universitatis, in qua summum in arte medica gradum ascenderitis, piam perpetuo memoriam habituros, eiusque res ac rationes, quoad poteritis, adiuturos:

DEIN honorem eum, quem in vos collaturus sum, integrum incolumemque servaturos:

POSTREMO doctrinam, qua vos nunc polletis, cum industria vestra culturos et cum omnibus incrementis, quae progrediente tempore haec ars ceperit, aucturos et in prosperitatem hominum studiose conversuros, denique cunctis officiis, quae probum medicum sponsoni Hippocraticae obtemperantem decent, ea quae par est humanitate erga quemcunque functuros esse; HAEC VOS EX ANIMI VESTRI SENTENTIA SPONDEBITIS AC POLLICEBIMINI?

One by one, M. D. students take the pledge on the mace: SPONDEO AC POLLICEOR

Promotor:

Itaque iam nihil impedit, quominus honores quos obtinere cupitis, vobis impertiamus.

Ergo ego promotor rite constitutus vos ex decreto ordinis mei medicinae universae doctores creo, creatos renuntio omniaque medicinae universae doctoris iura ac privilegia potestatemque universam artem medicam exercendi in vos confero. In cuius rei fidem haec diplomata Universitatis Carolinae sigillo firmata vobis in manus trado.

Master of Arts Pledge

Promotor:

Dear students, you have successfully passed all examinations prescribed by law to examine the knowledge of those who apply for the degree of the Doctor of Medicine.

You are now approaching us with a request to award you on this great occasion the degree you apply for.

Firstly, however, you must take the solemn pledge that you will always behave in the way enjoined by this honorable degree you are going to be awarded as well as in accordance with our expectations.

You shall therefore pledge to:

First of all, keep this university, which shall award you a doctor's degree, in your grateful memory, and support its activity and interests as much as you can, and also to preserve the degree I shall shortly bestow on you untarnished and in good repute.

Finally, to earnestly advance the knowledge you have acquired, to keep learning and ceaselessly enlarge your knowledge with new findings and discoveries,

and to turn your knowledge into good use for the advance of humankind, and to fulfil all your duties as any and every doctor of medicine should according to Hippocrates' oath, and to proceed and approach everybody with proper humanness.

Do you take this pledge upon your conscience?

One by one, graduates take the pledge on the mace: I promise and swear.

Promotor:

Now there is nothing which would prevent us from awarding you the degree you wish to achieve.

Therefore, I, legally appointed promotor of the Faculty, by the power of my office award you doctors of general medicine and publicly announce your degree and confer upon you all the rights and privileges of the doctors of general medicine, including the practice of the doctor's office.

To prove this, please accept your official diplomas with the seal of Charles University.

English-speaking Students

In the 1991/92 academic year English instruction to English-speaking MD students in General Medicine with Preventive orientation at the 3rd Faculty of Medicine began. This instruction is on par and keeps pace with the same instruction in Czech and, likewise, it was accredited by the Ministry of Education, Youth and Physical Education. . All successful graduates are awarded the MD diploma.

. In the course of studies, the instruction and examinations are conducted in the English language. Foreign students, however, are required to cope with Czech by the end of the 2nd year so that in their clinical practice they are able to communicate in Czech with patients as well as staff. The tuition fee in English curriculum is USD 8.500 per academic year for students of the 1st and 2nd year; and USD 9.000 per academic year for students in all other years (3rd to 6th). Eligibility and Certification Approval Report (ECAR) and Program Participation Agreement (PPA) have been given to the 3rd Faculty of Medicine on behalf of U.S. Department of Education and are valid for American students till 2005

Health care for students of the 3rd Faculty of Medicine, Charles University

– Decree of the Dean of the 3rd Faculty of Medicine, Charles University

Article I

1. Health care for students of the 3rd Faculty of Medicine, Charles University (further only "students") is provided by a registering primary care physician (general practitioner), ambulatory specialist or hospital physician of a student's

choice. The choice of health care provider is not restricted by the 3rd Faculty of Medicine, Charles University.

2. During the course of their studies at the 3rd Faculty of Medicine, Charles University, students of all programmes are obliged to undergo:
 - a) Entrance preventive check-up
 - b) Mandatory immunisation against hepatitis B
 - c) School-leaving preventive check-up
3. Students in the English language programme are during the course of their studies at the 3rd Faculty of Medicine, Charles University obliged to undergo:
 - a) Entrance preventive check-up
 - b) Mandatory immunisation against hepatitis B

Article II

Entrance preventive check-up

4. All students are obliged to undergo entrance preventive check-up by their registering physician before enrolling into the first year of studies at the 3rd Faculty of Medicine, Charles University. The extent of the check-up is set by the law no.48/1997 Coll., par.29, art.5, and by the Decree of the Czech Ministry of Health Care no.56/1997, par.1. The check-up thus includes the following items:
 - a) Completion of past history with focus on changes, risk factors and professional risk; family history with attention to cardiovascular deaths, incidence of hypertension and diabetes mellitus;
 - b) Full physical examination of medical nature (including brief testing of vision and hearing, eye palpation for intraocular pressure, blood pressure measurement, weight assessment);
 - c) Laboratory investigation:
 - i) Chemical urine test;
 - ii) Assessment of total plasma cholesterol and plasmatic lipoproteins (LDL+HDL).
5. Students in the English language programme undergo the entrance preventive check-up in the extent outlined in the previous paragraph. Based on local usage, it is possible to omit only the test under Cb).
6. The certificate of the entrance preventive check-up is to be presented by students of the Czech language programmes to the Study Division by the end of the first week of winter term of the first study year at the latest. A Study Officer will file the certificate in a student's personal file and will record a receipt of certificate in a student's credit book (index).
7. Students admitted to study in the English language programme will upon enrolment present a "student immunisation form" and a certificate of the entrance preventive check-up in the extent

set out in art.2, par.2 of the present decree. A Study Officer will file the certificate in a student's personal file and will record a receipt of certificate in a student's credit book (index).

8. With regard to the fact that the entrance preventive check-up is a part of preventive care covered by general health insurance according to the law no.48/1997 Coll., par.29, it is provided by a registering physician to students – citizens of Czech Republic – without direct payment.

Article III

Immunisation against hepatitis B

9. Based on the law no.256/200 Coll., par. 20, students of medical faculties are obliged to undergo immunisation against hepatitis B. Persons who have an evidence of hepatitis B infection in their past history or those with titre of antibodies against HbsAg >10 IU/litre are exempt.¹
10. Immunisation against hepatitis B is performed by the registering general practitioner who will issue a certificate on this or on exemption from immunisation as outlined above. Students of the English language programme provide this certificate as a part of their "student immunisation form". The certificate is to be presented to the Study Division by March 31 of the first study year at the latest. A Study Officer will file the certificate in a student's personal file and will record the immunisation in a student's credit book.
11. Immunisation against hepatitis B including the vaccine is without charges for students – citizens of Czech Republic. Students of the English language programme pay the costs of immunisation incl. vaccine themselves.²

Article IV

School-leaving preventive check-up

12. School-leaving preventive check-up is to be undergone by all students during the last year of their medical studies. Their registering physician shall perform it in the extent set out in art.2, par.1 of this decree except the test for total plasmatic cholesterol and plasmatic lipoproteins.
13. The certificate of school-leaving preventive check-up is to be presented by students to the Study Division of the 3rd Faculty of Medicine, Charles University by May 31 of the last study year at the latest. A Study Officer will file the certificate in a student's personal file and will issue a receipt of certificate in a student's credit book.

¹ The Decree of the Czech Ministry of Health Care no.439/2000 on vaccination against infectious diseases

² Law no.47/1997 Coll., par.30, law no.258/2000 Coll., par.47

14. With regard to the fact that the preventive check-up is a part of preventive care covered by general health insurance according to the law no.48/1997 Coll., par.29, it is provided by a registering physician to students – citizens of Czech Republic – without direct payment.

Article V

Exemption from obligatory physical education and training

15. A recommendation to exempt a student from obligatory physical education and training at the 3rd Faculty of Medicine, Charles University is issued either by a general practitioner or another attending physician. The recommendation shall state whether a complete or partial exemption is proposed and how long it shall last.
16. The student presents the above-mentioned recommendation to a Study Officer of the 3rd Faculty of Medicine, Charles University, who will file it in a student's personal file and will record the exemption in a student's credit book stating its extent (complete/partial) and length.
17. The Study Officers at the 3rd Faculty of Medicine, Charles University, are not authorised to request diagnosis on which the exemption from obligatory physical education and training is based. The Vice-Dean for Study Affairs deals with ambivalent cases and issues a final verdict on exemption from obligatory physical education and training.

Article VI

General and final regulations

18. The Faculty is not authorised to request medical certificates from other health care providers than those chosen by students.
19. Exceptions from this decree are decided by the Dean upon written application of the student.
20. This decree is valid from September 1, 2002.

Ecological Policy

The 3rd Faculty of Medicine (realising that destruction of any item of natural heritage and taking into consideration the importance of natural heritage for preservation of human heritage as a whole) aims for the education of young generation towards ecological thinking, and also through its own attitude to preserve the nature for further generations. The leaders of the 3rd Faculty of Medicine therefore issue the following report on the faculty ecological standing.

Policy for Work with Experimental Animals

Work with experimental animals on 3rd Faculty of Medicine is ruled by valid norms, i.e. Animal Protection against Abuse Act (246/1992 Sb.) and

decree no. 311/1997 Sb. There is an expert committee for protection of experimental animals working at 3rd Faculty of Medicine. The faculty was accredited to keep animals and run experiments on them, the respective employees were trained and certified accordingly. Any experiment involving animals must be based on a project approved of by the faculty expert committee and supervising organs.

Apart from abiding by principles it is also necessary to treat the animals well. We aim for minimal use of animal model in teaching (they are substituted for by computer simulations). If the animal must be used, then experiments are designed so that pain/suffering are minimised.

If pain or stress assessment are the objective of the research, then a special emphasis is put on benefit for knowledge and health in maximum, and on publication of results in a recognised international journal.

Faculty and Elimination of Waste Products

Waste products of respective faculty departments are stored according to the valid Czech norms. It is removed and then eliminated by SCHB a.s. according to the needs of individual faculty departments (contact the work safety technician).

The following are eliminated:

- waste products containing inorganic chemicals
- waste products containing organic chemicals
- sharp blades (used needles)
- other waste products with special requirements to prevent infection spread
- other waste products without special requirements to prevent infection spread
- non-usable chemicals or drugs
- fluorescent bulbs

Students' Insurance

Foreign students (English-speaking students including Slovak nationals) must arrange for their insurance in the country of their origin or effect insurance individually with any insurance company in the Czech Republic.

Those who are interested in such arrangement of insurance may ask for further details at General Insurance Company (Všeobecná zdravotní pojišťovna): Praha 6, Vítězné nám.9, or at <http://www.vzp.cz>. In the age group 18–29 years old, the monthly insurance instalment is approx. 50 USD.

Prizes, Foundations and Associations

1. Margaret M. Bertrand Prize

The award for the best student of the 3rd Faculty of Medicine, founded by Mrs. Margaret M. Bertrand in May 1991. Margaret M. Bertrand, a Canadian professor of English, bestowed the sum of \$ 1000 to support the best undergraduates at the Faculty. This endowment is increased by further contributions from teachers, friends and alumni of the Faculty. Every year the best 6th year student is awarded from the interest on this deposit. The amount of prize is commensurate to the amount of actual deposit.

Conditions for granting the award:

- average grade throughout the studies at least 1.2
- extracurricular activities which contributed to the credit of the faculty

The final selection process shall take place during the session of the Academic senate of Science in May.

Members of the administrative board for the endowment:

Margaret M. Bertrand
Prof. MUDr. Cyril Höschl, DrSc.
Prof. MUDr. Jiří Horák, CSc.
Doc. MUDr. Hana Provazníková, CSc.
Prof. MUDr. Richard Rokyta, DrSc.
Doc. MUDr. Bohuslav Svoboda, CSc.

2. Vesmír Prize

The prize is awarded annually to two students from each year. The faculty shall arrange annual subscriptions of the magazine *Vesmír* for the selected students. The Academic Senate has the final word based upon the proposal of the student representatives in the Academic Senate.

Conditions for awarding the prize:

average grade for the previous academic year

- not worse than 1.8
- extracurricular participation in pedagogical, scientific, cultural and sport activities

3. Prize of the Rector of Charles University

To the best graduate student
Exceptional award

4. Prize of the Josef Hlávka Foundation

Students are updated on the conditions of this and other prizes in the weekly *Vita Nostra Servis*.

5. Faculty Program of Students' Mobility

Janssen-Cilag Company and Leciva provided an incentive and financial support for students' visits abroad. The rules to go by are available at the Study

Division, 3rd Faculty of Medicine, International Relations Division as well as on the Faculty web pages.

6. TRIMED – Students Civic Association

Trimed is an association of students of 3rd Faculty of Medicine, Charles University who want to make the faculty not only an institution of education but also a place where students can meet each other, make good friends, get a lot of information about interesting matters, have a fun, and also get some rest.

Any student from the faculty can become a member of Trimed. Currently, Trimed has 32 active members who participate in arranging various activities. Certainly, one of the most important ones is the ball of the faculty. The entire organization of the program including opening dance performance and tombola are arranged by the students.

Another important event is the Wednesday Tea. It is an informal meeting with celebrities from the world of culture, sports, science, politics and philosophy. We have already had opportunity to talk with Tomáš Halík, Marek Eben, Zdeněk Svěrák, Lukáš Pollert and many others. We are planning on inviting also the former president Václav Havel.

Furthermore, Trimed organizes amateur photographers' competition. Students who like photography can compete in several categories e.g. (travelling, animals and leisure time). The prize for the winner is delicious strawberry cake.

Among other activities we should not omit the carnival on a riverboat, outing, first aid course, sports day and books exchange.

Last but not least, Trimed co-operates with the international association of medical students– IFMS that organizes scholarships abroad. Thus members of Trimed can have some benefit when applying for a scholarship.

For more information visit room number 124 C on the ground floor or see the Internet: www.lf3.cuni.cz.

On behalf of TRIMED Daniela Kotrbová

7. IFMSA

IFMSA– *International Federation of Medical Students' Associations* is an independent organization that associates medical students from more than 70 countries. It was founded in 1951. It is affiliated with UN and WHO as an international platform for medical students. The Czech branch–IFMSA CZ operates in all 7 schools of medicine that exist in the Czech Republic. The main activity of IFMSA is the organization of scholarships and exchange studies with other countries for medical students. Clinical or research scholarships lasting 4 weeks enable students to discover foreign culture, to expand their knowledge, and to make new friends. Via IFMSA

students are also engaged in various projects from the area of public health to sexually transmitted diseases, refugees, and peace.

More information : www.go.to/ifmsa.cz
santice@centrum.cz; zuzkae@seznam.cz

8. AMSEC – Association of Medical Students of the English Curriculum

AMSEC was founded with the aim to take care of the interests and rights of the students at the English curriculum of 3LF, CUNI. By this, we intend to improve the level of professional skills of the students and graduates, as well as increase the prosperity during the period of study.

All classes at the various levels have their representatives in the council of AMSEC. They are regularly coming together in meetings, discussing topics brought to them by the students and initiating academic proposals as well as social activities. By a close cooperation and dialogue with the faculty administration, Academic Senate, TRIMED and other relevant organs and individual persons at our faculty, we are trying to solve problems and to support and stimulate the positive aspects at our faculty. The council members, representing their respective classes, are electing the board of AMSEC. The members of the board are having the superior responsibility of progression, activity and organization of AMSEC.

The academic year 2003/2004, the board members are:

John Bekkenes	Chairman
Daniela Melichová	Vice Chairwoman
Maria Egeland	Secretary

For further information, please contact the chairman by e-mail; johnski@ti.cz

Public Relations

- The public is informed about faculty affairs by the Dean Doc.Svoboda.
- Information on admission procedure and study enquires is provided by Vice–Dean for Study Affairs doc. Janovská
- Information on postgraduate study and scientific activity of the faculty is provided by Vice–Dean prof. Anděl
- Information on foreign affairs of the faculty is provided by Vice–Dean prof. Haninec
- Information on faculty development is provided by Dean doc. Svoboda and faculty secretary doc. Rosina
- Information on study reforms is provided by Vice–Dean prof. Horák
- Information on medical study in English is provided by Vice–Dean doc. Samcová

In their appointed fields, the Dean and Vice–communicate with the media (press, radio, television)

Information Media 3rd Faculty of Medicine

VNS (Vita Nostra Service)

Information newsletter of the 3rd Faculty of Medicine, Charles University and mandatory regulations of the Faculty management. This newsletter comes out from September to June on a week basis. Available via computer or printed. Access from www pages of the 3rd Faculty of Medicine.

Editor:

Mgr. Marie Fleissigová, tel.: 267 102 105
e-mail: Marie.Fleissigova@lf3.cuni.cz

Vita Nostra Servis (VNS) – English version

Information bulletin in English brings news about the 3rd Faculty of Medicine. It is issued weekly from September to June. The English version was launched in September 2003. It is meant for foreign students of the faculty and issued in printed version as well as on the Internet.

<http://www.lf3.cuni.cz/english/index.html>, in section Documents.

Editor: Mgr. Marie Fleissigová, tel. 267 102 105, e-mail: marie.fleissigova@lf3.cuni.cz

Translation is provided by the Dpt. of Foreign Languages of 3rd Faculty of Medicine.

VNR (Vita Nostra Revue)

A magazine with a fairly general focus shedding light on the systems of education and health in the Czech Republic comes out with new articles and reflects current political and social situation in these areas.

Published 4 times a year, since 1999 accessible also on the internet as www pages of the 3rd Faculty of Medicine.

Editor:

Mgr. Marie Fleissigová, tel.: 267 102 105
e-mail: Marie.Fleissigova@lf3.cuni.cz

www pages

www.lf3.cuni.cz

Elaborate and straightforward, regularly updated information on the 3rd Faculty of Medicine.

WWW editor

Ing. Antonín Dvořák, ext. 552
e-mail: Antonin.Dvorak@lf3.cuni.cz

Electronic Information Board

An Electronic Information Board was installed in the vestibule of the faculty in 2002. Up-to-date information for students and teachers is displayed on

it continuously. Information data are sent by the Study Division and by the Office of Dean's Secretary.

Sport at Charles University in Prague

Sport is part and parcel of university life and helps not only in physical but also psychological development of students, naturally satisfying the basic human need for motion and competitiveness. At the same time, it promotes the general image of university as institution of education and cultivation of humanity. Likewise, Charles University and all its faculties and their representatives support sporting activities at the university.

Several years ago, the leadership of the University managed to acquire access to Waterworks in Prague–Hostivař (Vodní stavby Praha Hostivař). Students as well as all employees of the faculty have free access to the track and field arena, football stadium, softball and tennis court, a large hall with three basket or volleyball courts, a separate basket or volleyball court, tennis court, two gymnasiums for aerobics, one gymnastic hall, weightlifting gym as well as one of the most modern swimming pools in the country.

Summer courses and employees' recreation takes place in Dobronice university center (recreation center for all Prague medical faculties), at Albeř and in Střelecké Hoštice. All these centers are very well equipped, up-to-date places with excellent conditions for all kinds of sport activities in nature. Patejdlovka cottage in Špindlerův Mlýn and VAK cottage in Pec pod Sněžkou are used in winter for skiing courses of Charles University students as well as for family recreation out of season.

This safe haven can be utilized by any student of the faculty or any of Charles University employees. Considering the high number of students at our school, however, overall conditions are still not entirely satisfactory, although they are much better than they used be only several years earlier.

As departments of physical education were needed at most universities or faculties, this gave rise to sports clubs and competitive teams. All sport clubs are headquartered in the Czech Association of University Sports, the organization which helps organize students' free-time activities, universities' competitions in several kinds of sport, and which also ensures academic representation of our school

Halls of Residence – Dormitories

Detailed rules for dormitory accommodation are accessible on the Internet. <http://www.ubytovani.cuni.cz>

Accommodation is allotted upon submission of the application form 'Request for Accommodation in the University Dormitory'. Freshmen ought to fill in and dispatch the application form along with a photocopy of the official acceptance confirmation sheet on this address:

Univerzita Karlova
Ústřední správa kolejí a menz
116 43 Praha 1, Voršilská 1
tel.: 22491 3825

There is no legal right for dormitory accommodation. Rooms are allotted according to hard-and-fast rules and criteria (e.g. commuting time, health incapacities), taking into account all students' abilities and needs. Price of accommodation corresponds to its quality.

This is a list of dormitories where students from Charles University are accommodated:

Kolej Arnošta z Pardubic

Praha 1, Voršilská 1, tel.: 224933825

Kolej Jednota

Praha 1, Opletalova 38, tel.: 22421 1773–4

Kolej Petráská

Praha 1, Petráská 3, tel.: 222316430

Kolej Budeč

Praha 2, Wenzigova 20, tel.: 224262795

Kolej 17. listopadu

Praha 8, Pátkova 3, tel.: 284685551

Švehlova kolej

Praha 3, Slavíkova 22, tel.: 26275018

Kolej Hvězda

Praha 6, Zvoničkova 5, tel.: 220431111

Kolej Kajetánka I. a II.

Praha 6, Radimova 12, tel.: 233095103

Kolej Větrník

Praha 6, Na Větrníku 1932, tel.: 220402217

Kolej Hostivař

Praha 10, Weilova 2, tel.: 274868757

Kolej Otava

Praha 4, Chemická 953, tel.: 271911453,
2711111348

Kolej Vltava

Praha 4, Chemická 954. tel.: 271911453,
2711111248

Conjugal dormitory – for married couples with children:

Kolej Hvězda

Praha 6, Zvoničkova 5, tel.: 220431111

Kolej Komenského

Praha 6, Parlérova 6, tel.: 22051 6812

Foreign students dormitory:

Kolej Komenského

Praha 6, Parlérova 6, tel.: 22051 6812

Refectories

Students may use refectories three times a day.

List of Refectories

ALBERTOV	Praha 2, Albertov 7
ARNOŠTA Z PARDUBIC	Praha 1, Voršilská 1
BUDEČ	Praha 2, Wenzigova 20
JEDNOTA	Praha 1, Opletalova 38
KAJETÁNKA	Praha 6, Radimova 6
ŠVEHLOVA	Praha 3, Slavíkova 22
PRÁVNICKÁ	Praha 1, Curieových 7

SPORT Praha 6, J. Martího 31
VĚTRNÍK Praha 6, K Větrníku 1
17. LISTOPADU Praha 8, Pátkova 3
PETRSKÁ Praha 1, Petrská 3
KOMENSKÉHO Praha 6, Parléřova

Center of Scientific Information

100 00 Praha 10, Ruská 87
tel.: 267 102 111, tel./fax: 267 102 519
www: <http://wsvi.lf3.cuni.cz>
web catalog: <http://wsvi.lf3.cuni.cz/katalog.html>
e-mail: svi@lf3.cuni.cz

Head:

PhDr. Martina Hábová, ext. 547
Martina.Habova@lf3.cuni.cz

Administrative Secretary:

Ivana Ježková, ext. 552
Ivana.Jezkova@lf3.cuni.cz

Assistant Head:

Miroslava Plecítá, ext. 519
Miroslava.Plecita@lf3.cuni.cz

Experts:

Ing. Antonín Dvořák, ext. 552
Antonin.Dvorak@lf3.cuni.cz

Mgr. Marie Fleissigová, ext. 105
Marie.Fleissigova@lf3.cuni.cz

Jana Chlanová, ext. 250
Jana.Chlanova@lf3.cuni.cz

Věra Chobotová, ext. 106
Vera.Chobotova@lf3.cuni.cz
– Library, Study Room

Oldřiška Jonáková, ext. 552
Oldriska.Jonakova@lf3.cuni.cz

Vítězslav Kalous, ext. 589
– Xerox Studio

Ivana Konfrštová ext. 103
Ivana.Konfrstova@lf3.cuni.cz
– Library, Study Room

Vladimír Musil, ext. 532
Vladimir.Musil@lf3.cuni.cz

MAIN ACTIVITIES AND SERVICES OF SVI

- procurement and processing of data from all kinds of local as well as foreign information for the central library as well as depositories
- in-house and long-term book-loans
- interlibrary loan service and international interlibrary loan service (for the employees of the 3rd Faculty of Medicine)
- processing of running and retrospective background researches
- processing of publishing activities of the staff of the 3rd Faculty of Medicine
- electronic production of slides, scanning

- bibliography-information services
- reprographic services
- edition activity (VNS, VNR, www pages)

Rules for Borrowing Information Materials in the Academic Year 2000/2001

Before borrowing new study material for the coming academic year, the students are obliged to:

- Return all study material undamaged, and meet all solicited claims.
- Present a credit book with a corroboration of regular enrolment for the coming academic year.
- Present a barcode ID card of the 3rd Faculty of Medicine for a checkout.
- Register or extend user's rights.
- Clear the user's fee 100,- Crowns per one academic year.
- Certify your familiarity with and adherence to the Rules for Borrowing Information Materials by your signature.

Users fee authorizes students to:

- the access to the electronic catalogue of the library (OPAC)
- long-term borrowing of literature
- the entrance to the study-room of the SVI, in-house study of monographic literature and periodicals
- conferences to resolve strategies in the presented medical databases
- utilizing free computers in the study room of the SVI

Library Loan Regulations

The inventories of the SVI are property of the faculty and each user is obliged to protect them.

1. Each user is obliged to get acquainted with the Library Loan Regulations and with the current price-lists of the services of the SVI
2. All students and employees of the 3rd Faculty of Medicine as well as other medical staff registered with AKS T-series can become regular users of the SVI.
3. Valid registration authorizes the user to utilize the services of SVI, which are limited by the user's category.
4. Information documents can be borrowed only after presenting the bar-code ID of a student of the 3rd Faculty of Medicine or a valid reader's card with a bar-code. The card cannot be transferred and its user is responsible for its abuse even if lost and he or she has failed to notify the library.
5. Information documents are lent for a given period of time depending on the category of the reader and the classification of the document. When this period of time has elapsed, the loan has to be returned. The loans of videotapes are subject to special regulations posted in room 104.
6. The loan may be extended on demand. When requesting the loan extension it is requisite that the documents in question be presented. Whether the extension is granted depends on the actual

possibilities of the inventory, classification of the document, and requirements of other students.

7. No advance booking of documents is provided by the SVI, 3rd Faculty of Medicine, Charles University.
8. Before granting a loan the librarian has to take the bar-code which is a part of every document. The reader does not have to confirm the loan by his or her signature.
9. The reader/user is obliged to return the loan in the state in which it was checked out. Compensation shall be asked for all possible damages, see No. 12.
10. Services of the free-access study room of the SVI are subject to the special regulations posted on its door.
11. At interruption or cessation of study or employment the reader/user is obliged to return all loans of the SVI, including the bar-code reader's card. In case of any loss or misappropriation of the loan (documents borrowed from the SVI) or the bar-code reader's card or the ID card of the 3rd Faculty of Medicine, the library has to be notified immediately.
12. When the borrowed document has been damaged or lost the reader/user is obliged to replace it by:
 - a) the current edition (or the same issue) + pay off the manipulation fee according to the actual price-list.
 - b) another issue + pay off the manipulation fee according to the actual price-list.
 - c) another title in the same price + pay off the manipulation fee according to the actual price-list.
13. In case of the student's bar-code ID card (or his reader's card) being lost or misappropriated the reader/user is obliged to pay off the substitution fee according to the actual price-list.
14. In case of any change of address, name, etc. the library has to be notified immediately. Otherwise all subsequent expenditures on finding out such information shall be charged to the reader/user.
15. All users are obliged to abide by the Library Loan Regulations of the SVI, the instructions of the SVI staff and observe the opening hours.

ASSORTMENT OF PUBLIC AND OTHER SPECIALIZED LIBRARIES IN THE CZECH REPUBLIC:

List of libraries in the Czech Republic:

<http://www.knihovna.cz>

Addresses of university libraries in the Czech Republic:

<http://platan.vc.cvut.cz>

Národní knihovna ČR

110 01 Praha 1, Klementinum 190, <http://www.nkp.cz>

Národní lékařská knihovna

121 31 Praha 2, Sokolská 54, <http://www.nlk.anet.cz>

Knihovna AV ČR

Praha 1, Národní 3, <http://bibis.lib.cas.cz:8080>

Ústav vědeckých informací 1. LF

Praha 2, Kateřinská 32, <http://www.lf1.cuni.cz/uvi>

Ústav vědeckých informací 2. LF

Praha 5, V úvalu 84, <http://www.lf2.cuni.cz/Ustavy/uvi>

RECOMMENDED BOOKS (CYCLE I – III)

Actually recommended study texts and literature will be further specified by each professor in the first week of instruction. This list of literature should serve only to provide the students with general guidelines.

CYCLE I. – BASIC BIOMEDICAL SCIENCES (1ST–2ND YEARS)

MODULE IA – STRUCTURE AND FUNCTION OF HUMAN BODY (1ST – 2ND YEAR)

BASIC TEXTBOOKS:

ANATOMY

Atlas of Human Anatomy / Frank H. Netter. – 2nd ed. – East Hanover, N.J.: Novartis, 1997. – **2x**

Atlas of Topographical Anatomy / by Werner Platzer. – Stuttgart: Georg Thieme, 1985.

Clinical Neuroanatomy for Medical Students / R.S. Snell – 4th ed. – Philadelphia: Lippincott Williams and Wilkins, 1997 – **1x**

Gray's Anatomy: The Anatomical Basis of Medicine and Surgery / ed. P. L. Williams ; ed. board, L. H. Bannister ... [et al.]. – 37th ed. – New York: Churchill Livingstone, 1989. – **19x**

BIOCHEMISTRY, BIOLOGY, IMMUNOLOGY, GENETICS

Harper's Biochemistry / Robert K. Murray ... [et al.]. – 25th ed. – Stamford: Appleton & Lange, 2000. – **24.ed. – 2x, 22.ed. – 1x**

Essential Cell Biology: An Introduction to the Molecular Biology Of The Cell / Bruce Alberts ... [et al.]. – New York: Garland Publ., 1998. – **2x**

Molecular Biology of the Cell / Bruce Alberts ... [et al.]. – 3rd ed. – New York: Garland Publ., 1994. – **1.ed. – 1x**

Principles of Genetics / E. J. Gardner, Michael J. Simmons, D. Peter Snustad. – 8th ed. – New York: Wiley, 1991. – **21x**

Essential Immunology / Ivan M. Roitt, Peter J Delves – 10th ed. – Oxford: Blackwell Scientific Publications, 2001. – **8. ed – 21x**

HISTOLOGY AND EMBRYOLOGY

Basic Histology/ L.C.Junqueira, J.Carneiro, R.O.Kelley. – 9th ed. – Stamford: Appleton&Lange, 1998. – **7.ed. – 17x**

The Developing Human: Clinically Oriented Embryology / Keith L. Moore, T.V.N. Persaud. – 6th ed. – Philadelphia: W.B. Saunders Co., 1998. – **2x**

Langman's Medical Embryology / T.W. Sadler. – 6TH ed. – Baltimore: WILLIAMS & WILKINS, 1990. – **19x**

PHYSIOLOGY

Practical Courses on Physiology / Klára Bernášková ... [et al.]. – Prague: 3. LF UK, 1994. – **1x**

Textbook of Medical Physiology / A.C. Guyton, J. E. Hall. – 9th ed. – Philadelphia: W.B. Saunders Co., 1996. – **2x, 8.ed. – 15x**

Fyziologie memorix/R.F.Schmidt – Praha: Scientia Medica, 1993.

Physiology/ Robert M. Berne, C.V. Mosby – J A MAJOR CO (MEDICAL), 2003

COMPLEMENTARY AND FACULTATIVE TEXTBOOKS:

ANATOMY

Neuroanatomy: Text and Atlas / John H. Martin. – 2nd ed. – Stamford, Conn.: Appleton & Lange, 1996. – **2x**

Topographical Dissection. 3, Extremities / Josef Stingl. – 1st ed. – Prague: Karolinum, 1997. – **10x**

BIOCHEMISTRY, BIOLOGY, IMMUNOLOGY, GENETICS

Molecular Cell Biology. 3.0 / Harvey Lodish ... [et al.]. – New York: W.H. Freeman, 1996. – 1 CD–ROM – **3x, 22ed.–21x**

Biochemistry / Pamela C. Champe, Richard A. Harvey. – 2nd ed. – Philadelphia: Lippincott–Raven, 1994. – **2x**

Textbook of Biochemistry: with Clinic. Correlations/ ed. T. M. Devlin. – 4th ed. – New York: Wiley–Liss, 1997. – **1x, 3ed. – 1x**

HISTOLOGY AND EMBRYOLOGY

The Developing Human: Clinically Oriented Embryology / Keith L. Moore, T.V.N. Persaud. – 6th ed. – Philadelphia: W.B. Saunders Co., 1998. – **2x**

Histology/ J. Sobotta, F. Hammersen. – Baltimore: Urban a Schwarzenber, 1985.

Histology, Color Atlas of Microscopic Anatomy / Frithjof Hammersen. – Baltimore: Urban & Schwarzenberg, 1985.

Wheater's Functional Histology: a Text and Colour Atlas / H. George Burkitt, Barbara Young, John W. Heath. – 3rd ed. – Edinburgh: Churchill Livingstone, 1993.

PHYSIOLOGY

Human Physiology / ed. R.F. Schmidt, G. Thews. – Berlin; New York: Springer–Verlag, 1983.

Physiology / R.M. Berne, M.N. Levy. – 4th ed. – St. Louis: Mosby, 1998.

Struktura a funkce lidského těla / R.Rokyta, F.Šťastrný – Praha: Tjgis, 2002.

MODULE IB – CELL BIOLOGY AND GENETICS (1ST YEAR)

BASIC TEXTBOOKS:

BIOCHEMISTRY

Harper's Biochemistry / Robert K. Murray ... [et al.]. – 25th ed. – Stamford: Appleton & Lange, 2000. – **24.ed. – 2x, 22.ed – 1x**

BIOLOGY, GENETICS, IMMUNOLOGY

Essential Cell Biology: an Introduction to the Molecular Biology of the Cell / Bruce Alberts ... [et al.]. – New York: Garland Publ., 1998. – **2x**

Molecular Biology of the Cell / Bruce Alberts ... [et al.]. – 3rd ed. – New York: Garland Publ., 1994. – **1.ed. – 1x**

Principles of Genetics / E.J.Gardner, M. J. Simmons, D. Peter Snustad. – 8th ed. – New York: Wiley, 1991. – **21x**

Essential Immunology / I. M. Roitt. – 10th ed. – Oxford: Blackwell Scientific Publications, 2001. – **8.ed. – 21x, 7.ed.– 4x, 6.ed–1x**

Immunology / Janis Kuby. – 3rd ed. – New York: W.H. Freeman, 1997. – **2.ed.– (1992) – 1x**

Medical Immunology / ed. Daniel P. Stites, Abba I. Terr, Tristram G. Parslow. – 9th ed. – London: Mc Graw–Hill, 1997.

HISTOLOGY AND EMBRYOLOGY

Basic Histology / L.C.Junqueira, J.Carneiro, R. O. Kelley. – 9th ed. – Stamford: Appleton & Lange, 1998. – **7.ed – 17x**

Langman's Medical Embryology / T.W. Sadler. – 6th ed. – Baltimore: Williams & Wilkins, 1990. – **18x**

The Developing Human: Clinically Oriented Embryology / Keith L. Moore, T.V.N. Persaud. – 6th ed. – Philadelphia: W.B. Saunders Co., 1998.– **2x**

Histology – Lectures / V. Konrádová et al. – Praha: UK, 1997.

COMPLEMENTARY AND FACULTATIVE TEXTBOOKS:

BIOCHEMISTRY

Biochemistry / Pamela C. Champe, Richard A. Harvey. – 2nd ed. – Philadelphia: Lippincott–Raven, 1994. – **2x**

Textbook of Biochemistry: with Clinic. Correlations / ed.T. M. Devlin. – 4th ed. – New York: Wiley, 1997. – **1x, 3ed. – 1x**

BIOLOGY, GENETICS, IMMUNOLOGY

Molecular Cell Biology / Harvey Lodish ... [et al.]. – 3rd ed. – New York: Scientific American Books, 1995. – **2.ed. – 21x**

Molecular Cell Biology. 3.0 / Harvey Lodish ... [et al.]. – New York: W.H. Freeman, 1996. – 1 CD–ROM – **3x**

Genetics in Primary Care & Clinical Medicine / M.R..Seashore, R, S. Wappner. – 1st ed. – Stamford; Conn.: Appleton & Lange, 1996.

Thompson & Thompson Genetics in Medicine / Margaret W. Thompson, Roderick R. McInnes, Huntington F. Willard. – 5th ed. – Philadelphia: W.B. Saunders Co., 1991.

Molecular Genetics for the Clinician / D.J.H. Brock. – Cambridge: Cambridge University Press, 1993.

Medical Immunology / D. Stites, A.I. Terr, T.G. Parslow. – 9th ed. – McGraw Hill, 1997.

HISTOLOGY AND EMBRYOLOGY

Histology, Color Atlas of Microscopic Anatomy / Frithjof Hammersen. – Baltimore: Urban & Schwarzenberg, 1985.

HWheater's Functional Histology: a Text and Colour Atlas / H. George Burkitt, Barbara Young, John W. Heath. – 3rd ed. – Edinburgh: Churchill Livingstone, 1993.

MODULE IC – BIOPHYSICS AND INFORMATICS (1ST YEAR)

BASIC TEXTBOOKS:

Foundations of Behavioral Research / F. N. Kerlinger. – 3rd ed. – Fort Worth: Harcourt Brace Coll. Publ., 1986, 1992. – **1x**

Ecobiophysics / V. Slouka. – Prague: [s.n.], 1996.

Practical Exercises in Biophysics / V. Slouka. – Prague: 3rd Faculty of Medicine, 1997.

Fundamentals of Nuclear Medicine / ed. N. P. Alazraki, F. S. Mishkin. – 2nd ed. – New York: Society of Nuclear Medicine, 1988. – **9x**

Nuclear Medicine. 1., Basic Science / Otto Lang. – 1. vyd. – Praha: Karolinum, 1998. – **11x**

Radiology and Imaging for Medical Students / David Sutton. – 7th ed. – Edinburgh: Churchill Livingstone, 1998. – **3x**

MODULE ID – NEEDS OF THE PATIENT (1ST – 2ND YEAR)

BASIC TEXTBOOKS:

Communication Skills In Practice: A Practical Guide for Health Professionals / Diana Williams. – London: J. Kingsley Publishers, 1997. – 1x
History of Classic Philosophy / P. Bělíček. – Praha: Bělíček, 1994.

First Aid Manual: the Authorised Manual Of St. John Ambulance, St. Andrew's Ambulance Association, and The British Red Cross / Andrew K. Marsden, Sir Cameron Moffat, Roy Scott. – 6th ed. – London: Dorling Kindersley, 1992. – 14x

MODULE IE – METHODOLOGY (2ND YEAR)

BASIC TEXTBOOKS:

BIOSTATISTICS

Statistical Methods in Medical Research / P. Armitage, G. Berry. – 3rd ed. – Oxford: Blackwell Scientific Publications, 1994.

Interpretation and Uses of Medical Statistics / Leslie E. Daly, Geoffrey J. Bourke, James McGilvray. – 4th ed. – Oxford: Blackwell Scientific Publications, 1991.

EPIDEMIOLOGY

Epidemiology in Medical Practice / D.J.P. Barker, C. Cooper and the late G. Rose. – 5th ed. – Edinburgh: Churchill Livingstone, 1998. – 1x, 4.ed – 1x,

Basic Epidemiology / R. Beaglehole, R. Bonita, T. Kjellstrom. – Geneva: World Health Organization, 1993. – 4x

FUNDAMENTALS OF SCIENTIFIC METHODOLOGY

Foundations of Behavioral Research / F.N. Kerlinger. – 3rd ed. – Fort Worth: Harcourt Brace College Publ., 1986, 1992. – 1x

Research Methods: a Process of Inquiry / Anthony M. Graziano, Michael L. Raulin. – 3rd ed. – New York: Longman, 1997.

Nursing Research: Methods, Critical Appraisal, and Utilization / [ed. by] Geri LoBiondo-Wood, Judith Haber. – 4th ed. – St. Louis: Mosby, 1998.

Designing Clinical Research / Stephen B. Hulley et al. – 2nd ed. – New York: Lippincot Williams & Wilkins, 2001.

IDENTIFICATION, ASSESSMENT AND MANAGEMENT OF HUMAN HEALTH RISKS

Casarett and Doull's Toxicology: The Basic Science of Poisons / editor, Curtis D. Klaassen. – 5th ed. – New York: McGraw-Hill, Health Professions Division, 1996.

Occupational & Environmental Medicine / ed. by Joseph LaDou. – 2nd ed. – Stamford, Conn.: Appleton & Lange, 1997.

Environmental Health Criteria 210, Assessment of Risks to Human Health from Exposure to Chemicals / WHO, Geneva, 1999.

Environmental Health Criteria 222, Biomarkers in Risk Assessment. Validity and Validation / WHO, Geneva, 2001.

COURSE IN LATIN MEDICAL TERMINOLOGY (1ST YEAR)

BASIC TEXTBOOK:

An Introduction to Greco-Latin Medical Terminology / Dana Svobodová. – 2nd ed. – Praha: Karolinum, 1997. – 1x

COURSE IN THE CZECH LANGUAGE

BASIC TEXTBOOKS:

CZECH Step by Step . A Basic Course in the Czech Language for English Speaking Foreigners / Lída Holá – 1. vyd. – Praha: Fragment, 2000, + workbook + cassettes

Czech-English Medical Phrasebook for Beginners: Patient's Needs Course / D. Grundová. – 1. vyd. – Jinočany: H & H, 1999. – 2x

Czech for Medical Students: A Manual / Iveta Čermáková. – Prague: Psychiatrické centrum Praha, 1995. – 14x

COMPLEMENTARY AND FACULTATIVE TEXTBOOKS:

Map of Czech Grammar / S. Soják, C. Guilds. – Dubicko: INFOA, 1995.

CYCLE II. – PRINCIPLES OF CLINICAL MEDICINE (3TH–4TH YEARS)

MODULE IIA – THEORETICAL FOUNDATIONS OF CLINICAL MEDICINE (3RD YEAR)

BASIC TEXTBOOKS:

MICROBIOLOGY

Medical Microbiology / Cedric Mims ... [et al.]. – 2nd ed. – London: Mosby, 1998. – **1.ed – 19x**,

Jawetz, Melnick, Adelberg's Medical Microbiology / G.F. Brooks, Janet S. Butel, L. Nicholas Ornston McGraw – Hill/Appleton & Lange – 22nd ed. – 2001, ISBN: 0838562981

www pages Department of Microbiology –

<http://www.volny.cz/bacter/> and

<http://www.lf3.cuni.cz/ustavy/mikrobiologie/engl/index.html>

PATHOLOGY

Basic Pathology / V. Kumar, Ramzi S. Cotran, Stanley L. Robbins. – 6th ed. – Philadelphia: W.B. Saunders Co., 1997. – **2x**

COMPLEMENTARY AND FACULTATIVE TEXTBOOKS:

PATHOLOGY

Robbins Pathologic Basis of Disease / Ramzi S. Cotran, Vinay Kumar, Tucker Collins. – 6th ed. – Philadelphia: W.B. Saunders Co., 1999. – **1x, 4.ed. – 20x**

Concise Pathology / P. Chandrasoma, Clive R. Taylor. – 3rd ed. – Stamford, Connecticut: Appleton & Lange, 1998.

General and Systemic Pathology / J.C.E. Underwood. – 3rd ed. – Edinburgh, London, New York, Philadelphia, St Louis, Sydney Toronto: Churchill Livingstone, 2000.

PATHOPHYSIOLOGY

Clinical Medicine / Kumar, Parveen, Clark, Michael. – Elsevier, Saunders, 2002, ISBN: 0702025798

PHARMACOLOGY

Medical Pharmacology at a Glance / Michael J. Neal. – 3rd ed. – Oxford: Blackwell Science, 1997.

PATHOPHYSIOLOGY

Textbook of Medical Physiology / C. Guyton, J.E. Hall – 9th ed. – Philadelphia: Saunders, 1996. – **2x, 8.ed. – 15x**

Pathophysiology / Porth, Carol Mattson Concepts in Altered Health States Kunert, Mary Pat Lippincott, Williams & Wilkins J A MAJORS (VIRTUAL) 2002, ISBN: 0781728819

Essentials of Pathophysiology / Kaufman McKee Kaufman, Christian E. Lippincott Williams & Wilkins J A MAJORS (VIRTUAL) ISBN: 0316484059

PHARMACOLOGY

Pharmacology / H.P. Rang, M.M. Dale, J.M. Ritter. – 4th ed. – Edinburgh: Churchill Livingstone, 1999. – **3.ed – 1x (1995)**

Pharmacology. Lippincott's Illustrated Reviews / M. J. Mycek, et al.. – 2nd ed. – Lippincott–Raven, 1997.

Goodman&Gilman's the Pharmacological Basis of Therapeutics / ed. by Joel G. Hardman and Lee E. Limbird. – 10th ed. – McGraw–Hill, 2001.

British National Formulary No. 43 [or higher] / BMJ Books, March 2002 [or more recent ed.]

Basic & Clinical Pharmacology / B.G. Katzung. – 8th ed. – Lange Medical Books/McGraw–Hill, 2001. – **5.ed.–19x, 7.ed.–2x**

Pharmakologie und Toxikologie / Lullmann H., Mohr K., Wehling M., – 14th ed. – George Thieme Verl., 1999.

IMMUNOLOGY

Essential Immunology / I. M. Roitt. – 10th ed. – Oxford: Blackwell Scientific Publications, 2001. – **8.ed – 21x, 7.ed.– 4x, 6.ed–1x**

MODULE IIB – CLINICAL PROPEDEUTICS (3RD YEAR)

BASIC TEXTBOOKS:

DERMATOVENEROLOGY

Principles of Dermatology / D. P. Lookingbill, James G. Marks–jr – 2nd ed. – Philadelphia, London: W.B. Saunders, 1993. – **2x**

GYNEACOLOGY AND OBSTERICS

Obstetrics by ten Teachers / ed. by Geoffrey Chamberlain. – 16th ed. – London: Arnold, 1997, 1995. – **4x**

INTERNAL MEDICINE

Physical Examination in Internal Medicine / L. Chrobák, T. Gral, J. Kvasnička et al. – 1st ed. – Praha: Grada Publ., 1997. – **1x**

Clinical Examination / Owen Epstein et al – 2nd ed. – London–Philadelphia: Moshby, 1997.

Clinical Examination (a Systemic Guide to Physical Diagnosis) / N.J. Talley, S O'Connor – 2nd ed – Oxford: Blackwell Scie.Publ., 1992. – **18x**

NEUROLOGY

Clinical Skills in Neurology/ Michael J. G. Harrison – Oxford: Butterworth – Heinemann, 1996.

Neurology/ Marco Mumenthaler, Heinrich Mattle – Stuttgart: Georg Thieme Verlag – 8x

Neurology and Neurosurgery Illustrated/ Kenneth W. Lindsay, Ian Bone, Robbin Callander – Edinburgh: Churchill Livingstone, 1991 and later on

Principles of Neurology / Raymond D. Adams, Maurice Victor, Allan H. Ropper. – 6th ed. – New York: McGraw-Hill, Health Professions Division, 1997. – 6.ed. z CD – 1x

OPHTHALMOLOGY

Ophthalmology: A Primer for Medical Students and Practitioners / Calbert I. Phillips, Charles V. Clark, Shigeo Tsukahara. – London: Baillière Tindall, 1994. – 1x

OTORHINOLARYNGOLOGY

Ear, nose, and throat diseases: a pocket reference / Walter Becker, Hans Heinz Naumann, Carl Rudolf Pfaltz. – 2nd, rev. ed. – Stuttgart: Georg Thieme, 1994. – 2x

PEDIATRICS

Nelson Essentials of Pediatrics / [ed. by] Richard E. Behrman, Robert M. Kliegman. – 3rd ed. – Philadelphia: W.B. Saunders Co., 1998. – 1x

PSYCHIATRY

Kaplan and Sadock's Synopsis of Psychiatry / Benjamin J. Sadock, Harold I. Kaplan. – 8th ed. – Baltimore: Williams & Wilkins, 1998. – 1x

Oxford Textbook of Psychiatry. Michael Gelder, et al. – Oxford University Press, paperback – 1996

Symptoms in the Mind. Andrew Sims. – WB Saunders, 1995.

SURGERY

Basics in General Surgery / M. Tvrdék et al. – Praha: 3. LF UK, 1994. – 1x

MODULE IIC – BASIC CLINICAL PROBLEMS (3RD – 4TH YEAR)

BASIC TEXTBOOKS:

ANAESTHESIOLOGY AND CRITICAL CARE MEDICINE

ABC of Major Trauma / ed. D. Skinner, Peter Driscoll and Richard Earlam. – 2nd ed. – London: BMJ Publ. Group, 1996. – 1x

Anaesthetic Algorithms / ed. R.F. Armstrong, W. Aveling, E.M. Grundy. – Oxford: Oxford University Press, 1996.

Checklist Intensive Care Medicine: Including Poisoning / H.P. Schuster, T. Pop, L.S. Weilemann. – Stuttgart: Georg Thieme, 1990.

Critical Care Medicine – the Essentials/ John J. Marini, Arthur P. Wheeler. – 2nd ed. – Williams & Wilkins, 1997

Key Topics in Anesthesia / Timothy M. Craft, Paul M. Upton, Douglas G. Martz. – St. Louis: Mosby-Year Book, 1995. – 1x

Resuscitation – Special Issue International Guidelines 2000 for CPR and ECC – A Consensus of Science / August 23, 2000, 46 (1–3) 1 – 448, Elsevier

CLINICAL BIOCHEMISTRY AND PATHOBIOCHEMISTRY

Harper's Biochemistry / Robert K. Murray ... (et al.) – 25th ed. – Stamford: Appleton & Lange, 2000. – 24.ed. – 2x, 22.ed. – 1x

Textbook of Biochemistry: with Clinical Correlations / T. M. Devlin – 5th ed. – New York: Wiley&Sons, 2001. – 1x, 3ed. – 1x

DERMATOVENEROLOGY

Lecture Notes on Dermatovenerology / František Záruba. – 1st ed. – Praha: Státní pedagogické nakladatelství, 1990. – 6x

Principles of Dermatology / D. P. Lookingbill, James G. Marks, Jr. – 2nd ed. – Philadelphia: W.B. Saunders Co., 1993. – 2x

FORENSIC MEDICINE

Simpson's Forensic Medicine / B. Knight. – 11th ed. – London: Arnold, 1997. – 1x

Forensic Medicine Course Lecture Notes/ Derrick J. Pounder and D. W. Sadler –

http://www.lf3.cuni.cz/studium/materialy/soudni_lekarstvi/scripta_forensic_medicine.zip

INTERNAL MEDICINE

Textbook of Medicine/ R. L. Souhami, J. Moxham – 3rd ed. – Edinburgh: Churchill Livingstone, 1997. – 2.ed. – 19x, 1.ed. – 2x

Handbook of Dialysis / ed. John T. Daugirdas, Todd S. Ing. – 2nd ed. – Boston: Little, Brown, 1994. – 1x

Cecil Essentials of Medicine/ ed. T. E. Andreoli, Ch. C.J. Carpenter, R.C. Griggs, J. Loscalzo – 5th ed. – 2000. – 19.ed. (1992) – 5x, 20.ed – 1x, 21.ed (2000) – 1x

Heart disease. A textbook of Cardiovascular Medicine/ E. Braunwald. – 6th ed. – W.B. Saunders Company p.2297–2002. – 1x

IMMUNOLOGY

Medical Immunology/ ed. Tristram G. Parslow, Daniel P. Stites, Abba I. Terr. – 10th ed. – London: Mc Graw–Hill, 2001.

Essentials of Clinical Immunology/ H. Chapel, M. Haeney, S. Misbah, N. Snowden. – 4th ed – Oxford: Blackwell Science, 1999.

MICROBIOLOGY, INFECTIOUS DISEASES

Cases in Medical Microbiology/ P.T.Gilligan, M.L.Smiley, D.S.Shapiro – 2nd ed. – Washington: ASM Press, 2002, ISBN 1–55581–207–4.

Medical Microbiology/ Cedric A. Mims... [et al.]. – 2nd ed. – London: Mosby–Year Book Europe, 1998. – **1.ed – 19x**

www pages Department of Microbiology –

<http://www.volny.cz/bacter/>

Diseases of Infection/ N.R.Grist... [et al.] – New York: Oxford University Press, 1994. – **1x**

Infectious Disease / B. A. Bannister, Norman T. Begg, Stephen H. Gillespie. – 2nd ed. – Oxford: Blackwell Science, 2000. – **2x**

Control of Communicable Diseases Manual / James Chin (editor) – 17th ed. – American Public Health Association, 2000

NEUROLOGY

Principles of Neurology / Raymond D. Adams, Maurice Victor, Allan H. Ropper. – 6th ed. – New York: McGraw–Hill, Health Professions Division, 1997. – **6.ed. z CD – 1x**

Clinical Examinations in Neurology/ Members of the department of Neurology, Mayo – St. Luis: Mosby Year Book, 1991.

NUCLEAR MEDICINE

A Clinician's Guide to Nuclear Medicine/ Taylor A, Schuster DM, Alazraki N. – Society of Nuclear Medicine, 2000.

Essentials of Nuclear Medicine Imaging/ Mettler FA, Guiberteau MJ – WB Saunders comp., 1998.

Fundamentals of Nuclear Medicine/ N. P. Alazraki, F. S. Mishkin. – 2nd ed. – New York: Soc. of Nuclear Medicine, 1988. – **9x**

OTORHINOLARYNGOLOGY

Ear, Nose and Throat Diseases/ W.Becker, H.H.Naumann, C.R.Pfaltz: Thieme, 1994. – **2x**

ONCOLOGY

Manual of Clinical Oncology / International Union Against Cancer, ed. R..R..Love... [et al.]. – 6th ed. – Berlin: Springer 1994. – **10x**

PATHOLOGY,

Basic Pathology/ Vinay Kumar et al. – 6th ed. – Philadelphia: W.B. Saunders Co, 1997 – **2x**

PATHOPHYSIOLOGY

Textbook of Medical Physiology / C. Guyton, J.E. Hall – 9th ed. – Philadelphia: Saunders, 1996. – **2x, 8.ed. – 15x**

Essentials of Pathophysiology / C.E. Kaufmann, P.A.

McKee – 1st ed. – Philadelphia: Lippincott, Williams–Wilkins, 1996.

PHARMACOLOGY

Pharmacology / H.P. Rang, M.M. Dale, J.M. Ritter. – 4th ed. – Edinburgh: Churchill Livingstone, 1999. – **3.ed – 1x (1995)**

British National Formulary No. 43 [or higher]/ BMJ Books, March 2002 [or more recent ed.]

PEDIATRICS

Nelson Essentials of Pediatrics / Behrman, Kliegman – 3rd ed. – Saunders Company, 1998. – **1x**

PHYSIOLOGY

Textbook of Pain / ed. by Patrick D. Wall, Ronald Melzack. – 4th ed. – Edinburgh: Churchill Livingstone, 1999. – **3.ed – 2x**

Textbook of Medical Physiology / Arthur C. Guyton, John E. Hall. – 9th ed. – Philadelphia: W.B. Saunders Co., 1996. – **2x, 8.ed. – 15x**

PSYCHOLOGY

Health psychology: Biopsychosocial interactions / E. P. Sarafino – 3rd ed. – New York: Wiley, 1998. – **3x**

Psychology in action / K. Huffman – 6th (and earlier) ed. – New York: Wiley, 2001. – **2x, 3rd.ed.(1994)– 19x**

PREVENTIVE MEDICINE

Medical Hygiene / Lener et al. – Praha: Karolinum, 1997. – **9x**

Occupational Medicine / C.Zenz(ed.) – Chicago: Year Book Medical Publ., 1988.

RADIOLOGY

Radiology and Imaging for Medical Students / David Sutton – 7th ed. – Edinburgh: Curchill Livingstone, 1998 – **3x**

SURGERY

Microsurgery: Transplantation – Replantation / Harry J. Buncke. – Malvern: Lea & Febiger, 1991.

Grabb & Smith's Plastic Surgery / ed. S.J. Aston, R. W. Beasley, Ch.H.M. Thome. – 5th ed. – Philadelphia: Lippicott–Raven Publishers, 1997.

Plastic Surgery: Principles and Practice / M.J. Jurkiewicz ... [et al.]. – St. Louis: Mosby, 1990.

Practical Fracture Treatment / Ronald McRae. – 3rd ed. – Edinburgh: Churchill Livingstone, 1998. – **2x**

Outline of Orthopaedics / John Crawford Adams, David L. Hamblen. – 12th ed. – Edinburgh: Churchill Livingstone, 1995. – **2x**

Textbook of Disorders and Injuries of the Musculoskeletal System: an Introduction to Orthopaedics, Fractures, and Joint Injuries, Rheumatology, Metabolic Bone Disease, and Rehabilitation / Robert Bruce Salter. – 3rd ed. – Baltimore: Williams & Wilkins, 1999. – **2x**

Oxford Textbook of Surgery / P.J.Morris, W.C.Wood. – Oxford, New York: Oxford University Press, 2000.

STOMATOLOGY

Pocket Atlas of Oral Diseases / George Laskaris. – Stuttgart: GTV, ISBN 3–13–107471–X, New York: TMP, 1998 – ISBN 0–86577–635–0.

Oxford Handbook of Clinical Dentistry / Laura Mitchell, David A. Mitchell. – Oxford: University Press, ISBN 0–19–262963–8.

Stomatology for Students of General Medicine / Jan Kilian – Praha: Karolinum, 2003. – ISBN 80–246–0471–X

COMPLEMENTARY AND FACULTATIVE TEXTBOOKS:

Journals: **Pain, European Journal of Pain Gynaecology by ten Teachers** / ed. by Geoffrey Chamberlain. – 16th ed. – London: Arnold, 1997, 1995. – **4x**
Pathophysiologic Foundations of Critical Care / editors, Michael R. Pinsky, Jean-François A. Dhainaut. – Baltimore: Williams & Wilkins, 1993.

Principles of Critical Care / ed. J. B. Hall, G.A. Schmidt, Lawrence D.H. – 2nd ed. – New York: McGraw-Hill, Health Professions Division, 1998.

Anesthesia / ed. Ronald D. Miller. – 5th ed. – Philadelphia: Churchill Livingstone, 2000.

Goodman&Gilman's the Pharmacological Basis of Therapeutics / ed. J. G. Hardman, L.E. Limbird. – 10th ed. – McGraw-Hill, 2001.

Melmon and Morrell's Clinical Pharmacology / S.G. Carruthers, B.B. Hoffman, Melmon K.L. Nierenberg D.W. – 4th ed. – McGraw-Hill, 2000.

Basic & Clinical Pharmacology / ed. B.G. Katzung. – 8th ed. – Lange Medical Books/McGraw-Hill 2001. – **5.ed.–19x, 7.ed.–2x**

Pharmakologie und Toxikologie / Lullmann H., Mohr K., Wehling M. – 14. ed. – George Thieme Verlag, 1999.

Pharmacology, Lippincott's Illustrated Reviews / M. J. Mycek et al. – 2nd ed. – Lippincott-Raven, 1997.

Medical Pharmacology at a Glance / M. J. Neal. – 3rd ed. – Blackwell Science, 1997.

Widmann's Clinical Interpretation of Laboratory Test / R.A.Sacher, R.A.McPherson, J.M.Campes – F.A.Davis Comp. 1997

Lehrbuch der Klinischen Chemie und Pathobiochemie / Greiling H., Gressner A.M. – Schattauer, 1995.

Harrison's Principles of Internal Medicine / editors, Anthony S. Fauci ... [et al.]. – 15th ed. – New York: McGraw-Hill, Health Professions Division, 2001. – **12.ed. – 1x, 14.ed – 1x**

Cognitive psychology / R. Sternberg – New York: Harcourt, 1999.

Personality disorders in modern life / T. Millon, R. D. Davis – New York: Wiley, 2000. – **2x.**

Systems of psychotherapy: A transtheoretical analysis / J. O. Prochaska, J. C. Norcross – 4th ed. – New York: Brooks/Cole, 1999.

The will to meaning: Foundations and applications of logotherapy / V. E. Frankl – New York: New American Library, 1989.

COURSE IN THE CZECH LANGUAGE – COMMUNICATION WITH PATIENTS (3RD YEAR)

BASIC TEXTBOOK:

Czech for Medical Students: A Manual / Iveta Čermáková. – Prague: Psychiatrické centrum Praha, 1995. – **14x**

CYCLE III. – CLINICAL PREPARATION (5TH – 6TH YEARS)

MODULE OF INTERNAL MEDICINE

Diseases of Infection: An Illustrated Textbook / Norman R. Grist ... [et al.]. – 2nd ed. – Oxford: Oxford University Press, 1993, repr. with correlations 1994. – **1x**

Harrison's Principles of Internal Medicine / editors, Anthony S. Fauci ... [et al.]. – 15th ed. – New York: McGraw-Hill, Health Professions Division, 2001. – **12.ed. – 1x, 14.ed – 1x**

Infectious Disease / Barbara A. Bannister, Norman T. Begg, Stephen H. Gillespie. – 2nd ed. – Oxford: Blackwell Science, 2000.

Medical Microbiology / Cedric Mims ... [et al.]. – 2nd ed. – London: Mosby, 1998. – **1.ed – 19x,**

Textbook of Medicine / R. L. Souhami, J. Moxham. – 3rd ed – Edinburgh: Churchill Livingstone, 1997. – **2.ed. – 19x, 1.ed– 2x**

CLINICAL BIOCHEMISTRY

Harper's Biochemistry / Robert K. Murray ... (et al.) – 25th ed. – Stamford: Appleton & Lange, 2000. **24.ed. – 2x, 22.ed. – 1x**

Widmann's Clinical Interpretation of Laboratory Test / R.A.Sacher, R.A.McPherson, J.M.Campes – F.A.Davis Comp. 1997

Textbook of Biochemistry: with Clinical Correlations / T.M. Devlin – 5th ed. – New York: Wiley&sons, 2001. – **1x**, **3ed.** – **1x**

NUCLEAR MEDICINE

A Clinician's Guide to Nuclear Medicine / Taylor A, Schuster D.M., Alazraki N. – Society of Nuclear Medicine, 2000.

Essentials of Nuclear Medicine Imaging / Mettler FA, Guiberteau MJ – WB Saunders comp., 1998.

Fundamentals of Nuclear Medicine / N. P. Alazraki, F.S. Mishkin. – 2nd ed. – New York: Soc. of Nuclear Medicine, 1988. – **9x**

RADIOLOGY

The WHO Manual of Diagnostic Imaging / M.Davies, H.Pettersson – WHO Geneva – 2002

MODULE OF SURGERY

Practical Fracture Treatment / McRae – 3rd ed. – Churchill Livingstone, 1996. – **2x**

Outline of Orthopaedics / Adams a Hamblen. – 11th ed. – Churchill Livingstone, 1990. – **2x**

Plastic Surgery / Grab and Smith, Lipincott – 5th ed. – Philadelphia: New York Raven Publ., 1997.

Smith's General Urology / Emil A. Tanago, Jack W. McAninch – 14th ed – Appelton and Lange, 1995.

Oxford Textbook of Surgery / P.J.Morris, W.C.Wood. – Oxford, New York: Oxford University Press, 2000.

Textbook of Neurosurgery/ M. S. Greenberg – 5th ed. – Thieme, 2001

MODULE OF NEUROBEHAVIORAL SCIENCES

Principles of Neurology / Raymond D. Adams, Maurice Victor, Allan H. Ropper. – 6th ed. – New York: McGraw–Hill, Health Professions Division, 1997. – **6.ed. z CD** – **1x**

Clinical Skills in Neurology / Michael J. G. Harrison, Oxford: Butterworth – Heinemann, 1996.

Clinical Examinations in Neurology / Members of the department of Neurology, Mayo – St. Luis, Baltimore – Mosby Year Book, 1991.

Neurology / Marco Mumenthaler, Heinrich Mattle – Stuttgart: Georg Thieme Verlag, 1990. – **8x**

Neurology and Neurosurgery illustrated / K. W.Lidsay, I. Bone, R. Callander – Edinburgh, Churchill Livingstone, 1991 and later on

Kaplan and Sadock's Synopsis of Psychiatry / B.J. Sadock, H.I. Kaplan. – 8th ed. – Baltimore: Williams&Wilkins, 1998. – **1x**

Oxford Textbook of Psychiatry / Michael Gelder, et al. – Oxford University Press, paperback – 1996.

Symptoms in the Mind / Andrew Sims. – WB Saunders, 1995.

Health Psychology: Biopsychosocial Interactions / Edward P. Sarafino. – 3rd ed. – New York: Wiley, 1998.– **3x**

MODULE OF GYNAECOLOGY AND OBSTETRICS

Fundamentals of Obstetrics and Gynaecology / Derek Llewellyn–Jones. – 7th ed. – London: Mosby, 1999.

Reproduction, Obstetrics, and Gynaecology / ed. M.G. Elder. – Oxford: Heinemann Professional Pub., 1988. – (Integrated clinical science). – **1x**

Colposcopy / Jiří Kanka, Bohuslav Svoboda. – Prague: Grada Publishing, 1997.

MODULE OF PEDIATRICS

Nelson Essentials of Pediatrics / [ed. by] Richard E. Behrman, Robert M. Kliegman. – 3rd ed. – Philadelphia: W.B. Saunders Co., 1998. – **1x**

MODULE OF PREVENTIVE CARE

ACSM'S Resource Manual for Guidelines for Exercise Testing and Prescription / Editor: Roitman – 3rd ed. – Baltimore: Willis and Wilkins, 1998.

Advanced Fitness Assessment Exercise Prescription / Heyward – 3rd ed. – Champaign, Human Kinetics, 1997.

AM's Guidelines for Exercise Testing and Prescription / Editor: Kenney – 5th ed. – Baltimore: Willis and Wilkins, 1995.

Breastfeeding: A Guide for the Medical Profession / R.A. Lawrence; 5th ed. – Mosby 1999.

Chronic Disease Epidemiology and Control / R.C. Brownson, P.L. Remington (editors) – 2nd ed. / APHA, 1998.

Encyclopaedia of Occupational Health and Safety / J.M. Stellman (ed.) – 4th ed. – Geneva: Inter. Labour Office, 1988.

Environmental Health / D.W. Moller – London: Harward Univ. Press, 1992.

Exercise and Diet in the Prevention and Control of the Metabolic Syndrome / Barnard; *Sports Med*, 1994, vol.18, n.4, pp. 218–228.

Exercise Standards / Fletcher et al.; *Circulation*, 1992, 86, pp. 340–344.

General and Environmental Hygiene / kol. – Praha: UK 3.LF, 1994.

Injury Epidemiology / L.S. Robertson – 2nd ed. – Oxford University Press, 1998.

Insulin resistance and risk factors for coronary heart disease / Laws; Bailliere's *Clinical Endocrinology and Metabolism*, Vol.7, 1993, pp. 1063–1078.

Medical Hygiene / J.Lener et al. – Praha: Karolinum, 1997. – 9x

Occupational Medicine / C.Zenz (ed.) – Chicago: Year Book Medical Publ., 1988.

Oxford Handbook of Public Health Practice / D. Pencheon, CH. Guest, D. Melzer. – Oxford University Press, 2001.

Preschool Children in Troubled Families / R.Nicol, D.Stretch, T.Fundudis. – London: John Wiley and Sons, 1993.

Preventive Medicine and Public Health / B.J.Cassens. – 2nd ed. – Baltimore: Williams and Wilkins, 1992. – 8x

Principles of Exercise Testing and Interpretation / Wasserman – 3rd ed. – Baltimore: Lippincott Williams and Wilkins, 1999.

Social Paediatrics / B. Lindstrom, N. Spencer – Oxford: Oxford Univ. Press, 1995.

World Health Declaration / European Health for All No.5; 1998.

COMPLEMENTARY AND FACULTATIVE TEXTBOOKS:

Present Knowledge in Nutrition / Ziegler, Filer et al. – 7th ed. – Washington: ILSI Press, 1996.

Journals: Nutrition Reviews; The American Journal of Clinical Nutrition

DERMATOVENEROLOGY

Principles of Dermatology / D. P. Lookingbill, James G. Marks-jr. – 2nd ed. – Philadelphia, London: W.B. Saunders, 1993. – 2x

Lecture notes on dermatovenerology / František Záruba. – 1st ed. – Praha: Státní ped. nakladatelství, 1990. – 6x

FORENSIC MEDICINE

Simpson's Forensic Medicine / B.Knight. – 11th ed. – London: Arnold, 1997. – 1x

Forensic Medicine Course Lecture Notes / Derrick J. Pounder and D. W. Sadler – http://www.lf3.cuni.cz/studium/materialy/soudni_lekars_tvi/scripta_forensic_medicine.zip

OTORHINOLARYNGOLOGY

Ear, Nose, and Throat Diseases: a Pocket Reference / W. Becker, H.H. Naumann, C.R. Pfaltz. – 2nd, rev. ed. – Stuttgart: Georg Thieme, 1994. – 2x

OPHTHALMOLOGY

Ophthalmology: A Primer for Medical Students and Practitioners / Calbert I. Phillips, Charles V. Clark, Shigeo Tsukahara. – London: Baillière Tindall, 1994. – 1x

Clinical Ophthalmology: A Systematic Approach / Jack J. Kanski. – 4th ed. – Oxford: Butterworth-Heinemann, 1999.

STUDY PLANS

The following dates were set down in accordance with the Study and Examination Regulations, article 3, by Dean of the faculty after negotiations with Rector of the university.

CALENDAR FOR THE 2003/2004 ACADEMIC YEAR

OPENING OF THE ACADEMIC YEAR 2003/2004 September 29, 2003
ENDING OF THE THE ACADEMIC YEAR 2003/2004 September 30, 2004

Fall (Winter) semester (15 weeks):

1st – 12th study week 29. 9. 2003 – 20. 12. 2003
Christmas vacation 21. 12. 2003 – 1. 1. 2004
13th – 15th study week 2. 1. 2004 – 17. 1. 2004
Examination period 19. 1. 2004 – 15. 2. 2004

Summer semester (15 weeks) :

1st – 15th study week 16. 2. 2004 – 29. 5. 2004
Examination period 31. 5. 2004 – 30. 6. 2004
Summer vacation 1. 7. 2004 – 31. 8. 2004
Examination period 1. 9. 2004 – 19. 9. 2004

Students may take exams after having fulfilled all the requirements assigned by the study plans.

TIME SCHEDULE

Week	Fall (Winter) Semester	Summer Semester
1	29.9. – 4.10.	16.2. – 21.2.
2	6.10. – 11.10.	23.2. – 28.2.
3	13.10. – 18.10.	1.3. – 6.3.
4	20.10. – 25.10.	8.3. – 13.3.
5	27.10. – 1.11.	15.3. – 20.3.
6	3.11. – 8.11.	22.3. – 27.3.
7	10.11. – 15.11.	29.3. – 3.4.
8	17.11.– 22.11.	5.4. – 10.4.
9	24.11. – 29.11.	12.4. – 17.4.
10	1.12. – 6.12.	19.4. – 24.4.
11	8.12. – 13.12.	26.4. – 1.5.
12	15.12. – 20.12.	3.5. – 8.5.
13	2.1. – 3.1.	10.5. – 15.5.
14	5.1. – 10.1.	17.5. – 22.5.
15	12.1. – 17.1.	24.5. – 29.5.

Solemn Matriculation Oath for the 1st year students shall take place on **October 3, 2003** in Magna Aula of Carolinum.
Graduation Ceremony for all subject majors shall take place on **July 8, 2004** in Magna Aula of Carolinum.
Rector's day – May 12, 2004

Study division

PhDr. Jindra Šťavová, – Head of the Division , tel.: 267 102 205; tel./fax: 272730776, room n. 205
Hana Vlčková, tel.: 267 102 208 , room n. 208, Czech Curriculum – Year I – II
Ludmila Zamrazilová, tel.: 267 102 208, room n. 208, Czech Curriculum – Year III – IV
Karla Budková, tel.: 267 102 208, room n. 208, Czech Curriculum – Year V. – VI.
Ing Zdeňka Lásková, tel.: 267 102 206, room n. 206, English Curriculum

Notice: Post-graduate students agenda is available at the Research and Development Division.
Blanka Alinčová – tel. 267 102 230, room n. 230

MASTER PROGRAM

GENERAL MEDICINE WITH PREVENTIVE FOCUS (6-YEAR FULL-TIME ACADEMIC PROGRAM LEADING TO AN M.D DEGREE)

CYCLE I. – BASIC BIOMEDICAL SCIENCES

YEAR I.

Module/Courses Lecturer	Semester – hours (total number)				
	Winter		Summer		
	Lect./integr. conference	Pract./sem./ dissection	Lect./integr. conference	prac./sem	
Module IA –total number of teaching hours 302 , credits 21					
STRUCTURE AND FUNCTUION OF HUMAN BODY <i>prof. Richard Rokyta</i>	Hours	37	106 MC	77	82MC
	Credits	10		11	
Courses					
Locomotion systém <i>prof. Josef Stingl</i>	33/4	55/8/43	–	–	
Respiration. Blood and Body Fluids <i>doc. Eva Samcová</i>	–	–	18/4	20/–	
Urogenital system. Acido–base balance. <i>doc. Eva Samcová</i>	–	–	19/4	22/6	
Digestion and Resorption <i>doc. Eva Samcová</i>	–	–	24/8	25/9	
Module I B – total number of teaching hours 315 , credits 22,5					
CELL BIOLOGY AND GENETICS <i>prof. Richard Jelínek</i>	Hours	76	118 MC	44	77 MC, E
	Credits	14		8,5	
Courses					
Medical Chemistry and Biochemistry <i>doc. Eva Samcová</i>	44	45	–	–	
Cell and Molecular Biology <i>doc. Jan Kovář</i>	14	28	12	20	
Cell and Molecular Immunology <i>MUDr. Petr Kučera</i>	–	–	4	12	
Structure of Cells and Tissues . General Embryology <i>prof. Richard Jelínek</i>	18	33	–	–	
General Biology and Genetics <i>doc. Ivo Bárta</i>	–	12	28	45	

Notice: MC= module credit, E = exam

Module / Course Lecturer	Semester – hours (total number)				
	Winter		Summer		
	Lect./integr. Conference	prac./sem./ dissection	lect./integr. conference	prac./sem.	
Modul IC – total number of teaching hours 53, credits 4					
BIOPHYSICS AND INFORMATICS	Hours	–	24 MC	–	29 MC, E
doc. Jozef Rosina	Credits	2		2	
Courses					
Medical Biophysics <i>Doc. Jozef Rosina</i>	–	24	–	6	
Nuclear Medicine <i>MUDr. Otto Lang</i>	–	–	–	8	
Radiology <i>doc. Jan Sprindrich</i>	–	–	–	10	
Sources of Scientific Information <i>MUDr. Tomáš Kostrhun</i>	–	–	–	5	
Module ID– total number of teaching hours 120, credits 8,5					
NEEDS OF THE PATIENT	Hours	25	35 MC	17	43 MC
doc. Jiří Šimek	Credits	4,25		4,25	
Courses					
First Aid <i>doc. Jan Pachtl</i>	15	15	–	–	
Patient's Needs <i>PhDr. Marie Zvoníčková</i>	10	20	–	–	
Basics of Nursing <i>Mgr. Hana Svobodová</i>	–	–	2	28	
Basic Humanities (Philosophy, Sociology) <i>PhDr. Vladimír Špalek</i>	–	–	15	15	
Separated courses					
	Credits WS/SS				
Medical terminology – Latin <i>doc. Jana Přivratská</i>	2/2	–	30 CC, E	–	–
Physical training <i>PaedDr. Bohumil Hněvkovský, as. Bohuslav Příhoda</i>	1,5/1,5	–	30 CC	–	30 CC
Czech Language <i>doc. Jana Přivratská</i>	0	–	45 CC	–	45 CC
Optional Courses					
Winter Training course <i>PaedDr. Bohumil Hněvkovský, as. Bohuslav Příhoda</i>	2/0	8 days CC		–	
Summer Training course <i>PaedDr. Bohumil Hněvkovský, as. Bohuslav Příhoda</i>	0/2	–		8 days CC	

Notice: **CC** = course credit, **MC** – module credit, **E** – exam, **WS** – winter semester, **SS**– summer semester

YEAR II.

Module/ Course Lecturer	Semester – hours (total number)				
	Winter		Summer		
	Lect./integr. conference	pract./sem.	Lect./integr. conference	Pract./sem./ Dissection	
Module IA – total number of teaching hours 310 , credits 35					
STRUCTURE AND FUNCTION OF	Hours	60	54 MC	76	120 MC, E

HUMAN BODY <i>prof. Richard Rokyta</i>		Credits	13		22	
Courses						
Circulatory and Immunity System <i>Prof. Richard Jelínek</i>		24/4	27/0	–	–	
Endocrine systém <i>Prof. Richard Jelínek</i>		28/4	21/6	–	–	
Nervous Systém and Regulation of Motor Function <i>Prof. Richard Rokyta</i>		–	–	48/4	41/9/45	
Sensory Organs <i>prof. Richard Rokyta</i>		–	–	20/4	16/9/–	
Module ID – total number of teaching hours 90 , credits 12						
NEEDS OF THE PATIENT <i>doc. Jiří Šimek</i>		Hours	19	41 MC	–	30 MC, E
		Credits	7			5
Courses						
Basics Humanities (Philosophy, Sociology) <i>PhDr. Vladimír Špalek</i>		15	15	–	–	
Communication <i>PhDr. Marie Zvoničková</i>		–	–	–	30	
Basics of Nursing <i>Mgr. Hana Svobodová</i>		4	26	–	–	
Summer practice in Nursing * <i>Mgr. Hana Svobodová</i>		–	–	–	3 weeks (120hours) CC	
Module IE – total number of teaching hours 67, credits 8						
METODOLOGIE <i>prof. Jiří Kožený</i>		Hours		67 MC / E		
		Credits	8			
Courses						
Basic Scientific Methodology <i>prof. Jiří Kožený</i>		–	16	–	–	
Biostatistic <i>RNDr. Bohumír Procházka</i>		–	20	–	–	
Epidemiology <i>MUDr. Alexander Martin Čelko</i>		–	15	–	–	
Hazard identification and Health Risk, Assessment and Management <i>prof. Miroslav Cikrt</i>		–	16	–	–	
Separated Courses		Credits WS/ SS				
Physical Training <i>PaedDr. B. Hněvkovský, as. B. Příhoda</i>			–	30 CC	–	30 CC
Czech Language <i>doc. Jana Přivratská</i>		2,5/2,5	–	30 CC	–	30 CC, E

* Summer recess practice in nursing can be carried out either in the 2nd or 3rd year.

Notice : **CC** = course credit , **MC** = module credit, **E** = exam

CYCLE II. – PRINCIPLES OF CLINICAL MEDICINE

YEAR III.

Module / Course Lecturer	Semester – hours (total number)				
	Winter		Summer		
	Lectures.	pract./sem	Lectures	Pract/sem	
Module IIA – total number of teaching hours 325 and credits 18					
THEORETICAL FOUNDATIONS OF CLINICAL MEDICINE <i>doc. Vlasta Rychterová</i>	Hours	150	175 MC, E	–	–
	Credits	18			
Sub Courses					
General Pathology <i>prof. Václav Mandys, doc. Vlasta Rychterová</i>	57	60	–	–	
Patological Physiology <i>doc. Jan Mareš</i>	27	45	–	–	
Microbiology <i>doc. Marek Bednář</i>	27	45	–	–	
Genetics Disorders <i>MUDr. Marie Čemá</i>	12	–	–	–	
Imunopatology <i>MUDr. Petr Kučera</i>	12	4	–	–	
General Pharmacology <i>prof. Miloslav Kršiak</i>	15	21	–	–	
Module IIB – total number of teaching hours 240 and credits 13,5					
CLINICAL PROPEDEUTICS <i>doc. Jana Málková</i>	Hours	–	107 MC	–	133 MC, E
	Credits	6		7,5	
Sub Courses					
Internal Medicine <i>doc. Jana Málková</i>	–	72	–	–	
Surgery <i>doc. Jaroslava Hrivnáková</i>	–	35	–	–	
Neurology <i>doc. Valja Kellerová</i>	–	–	–	20	
Dermatovenerology <i>prof. Petr Arenberger</i>	–	–	–	11	
ENT <i>MUDr. Azita Gebauerová</i>	–	–	–	15	
Ophthalmology <i>MUDr. Jara Homová</i>	–	–	–	10	
Gynecology <i>MUDr. Jiří Popelka</i>	–	–	–	20	
Psychiatry <i>prof. Cyril Höschl</i>	–	–	–	14	
Pediatrics <i>MUDr. Ludmila Hejčmanová</i>	–	–	–	27	
Stomatology <i>doc. Eva Gojišová</i>	–	–	–	16	

Notice: **MC** = module credit , **E** = exam

Module / Course Lecturer		Semester – hours (total number)								
		Winter				Summer				
		Sem/ pract.	Sem./pract from pharmacol.	Sem/pract from patology/ pathophys.	Credits	Seminars, practice hereof				
Sum	Pharma cology					Patho logy	Patho physiol ogy			
Module IIC – total teaching hours 300 and credits 17										
BASIC CLINICAL PROBLEMS <i>prof. Jiří Horák</i>		Hours	–	–	–	17	300 MC	33	19	25
		Credits	17							
Sub Courses										
1. Fever <i>doc. Marek Bednář, doc. Jiří Beneš</i>		–	–	–	5	90	10	–	3	
2. Pain <i>doc. Anna Yamamotová, prof. Richard Rokyta</i>		–	–	–	2	30	8	–	–	
3. Disorders of Renal Function and Edemas <i>MUDr. Martin Havrda</i>		–	–	–	3	60	6	5	6	
4. Bleeding <i>doc. Milan Kment</i>		–	–	–	2	30	1	4	2	
5. Endocrine and Metabolic Diseases <i>MUDr. Pavel Kraml, prof. Michal Anděl</i>		–	–	–	3	60	6	4	5	
6. Locomotion Disorders <i>doc. Jan Bartoniček, doc. Valér Džupa</i>		–	–	–	2	30	2	6	9	

Module / Course Lecturer		Semester – hours (total number)			
		Winter		Summer	
		Lectures	Pract./sem	Lectures	pract./sem
Module IID – total number of teaching hours 60 and credits 3					
COMPULSORY OPTIONAL COURSES * <i>doc. Hana Provazníková</i>		CC		60	
STUDENT RESEARCH ACTIVITY ** <i>prof. Richard Jelínek</i>		or		CC	
Separated Courses – credits 8,5		Credits WS/SS			
Special Pathology – lectures <i>prof. Václav Mandys</i>		3		60	
Pathophysiology – lectures <i>doc. Jan Mareš</i>		2,5		45	
Czech Language – Communication with Patients <i>doc. Jana Přivratská</i>		1/0,5	30 CC	–	30CC, E
Physical Training <i>PaedDr. Bohumil Hněvkovský, as. Bohuslav Přihoda</i>			30 CC	–	30 CC
Summer Practice in Nursing *** <i>Mgr. Hana Svobodová</i>		-1,5	–	–	3 weeks (120h)CC

* The student shall sign-up for courses at offered

** The course credit shall be awarded after successful defence of the thesis at the Students Scientific Conference.

*** unless fulfilled in the 2nd year

Notice: CC = course credit, MC = module credit, E = exam

YEAR IV.

Module / Course Lecturer		Semester – hours (total number)									
		Winter					Summer				
		Credits	Seminars, practice – hereof				Credits	Seminars, practice – hereof			
Sum	Pharma- cology		Patho- logy	Patho physiology	Sum	Pharma- cology		Pathology	Pathophy- siology		
Module IIC – total number of teaching hours 810 and credits 44											
BASIC CLINICAL PROBLEMS <i>prof. Jiří Horák</i>	Hours		420 MC	20	31	19		390 MC, E	34	26	17
	Credits	22,5					21,5				
Courses											
7. Disturbance of the Nervous system <i>prof. Pavel Kalvach</i>	1,5	30	7	6	11	–	–	–	–	–	–
8. Mental Disorders <i>MUDr. Ján Praško</i>	–	–	–	–	–	5	90	10	–	–	–
9. Dyspnoe and Chest Pain <i>prof. Petr Widimský</i>	–	–	–	–	–	5	90	12	12	14	–
10. GIT and abdominal complaints <i>prof. Jiří Horák</i>	–	–	–	–	–	5	90	10	14	3	–
11. Cutaneous Changes <i>prof. Petr Arenberger</i>	1,5	30	1	2	–	–	–	–	–	–	–
12. Tumours <i>doc. Josef Kovařík</i>	3,25	60	3	12	–	–	–	–	–	–	–
13. Sensoric Disorders <i>Doc. Aleš Hahn, prof. Pavel Kuchynka</i>	–	–	–	–	–	3,25	60	2	–	–	–
14. Failure of Vital Functions <i>doc. Jan Páchl</i>	5	90	2	–	–	–	–	–	–	–	–
15. Trauma <i>doc. František Vyhnaněk</i>	3,25	60	2	–	2	–	–	–	–	–	–
16. Disorders of Reproduction and Development of the fetus <i>doc. Bohuslav Svoboda</i>	3,25	60	2	10	–	–	–	–	–	–	–
17. Disorders of Growth and Development in postnatal period <i>prof. Jan Lebl</i>	–	–	–	–	–	3,25	60	–	–	–	–
18. Aging and Dying <i>doc. Jiří Šimek</i>	3,25	60	3	1	6	–	–	–	–	–	–
19. Disorder of Immunity <i>MUDr. Petr Kučera</i>	1,5	30	–	–	–	–	–	–	–	–	–
Pathology and pathophysiology <i>Patologie *</i> <i>prof. Václav Mandys, doc. Jan Mareš</i>						CC, E					
Pharmacology <i>* prof. Milošlav Kršiak</i>						CC, E					
Summer Practice in Internal Medicine <i>MUDr. Jolana Rambousková</i>							Credits 6,5 CC	3 weeks (120 hours)			
Summer Practice in Surgery <i>MUDr. Jolana Rambousková</i>							Credits 4,5 CC	2 weeks (80 hours)			

* Instruction in pathology and pharmacology is part and parcel of individual courses of module II C. The examination is taken separately.

Module/ Course Lecturer		Semester – hours (total number)	
		Winter	Summer
Module IID – total number of teaching hours 90 and credits 5			
COMPULSORY OPTIONAL COURSES * <i>doc. Hana Provazníková</i>		90 CC	
STUDENT RESEARCH ACTIVITY ** <i>prof. Richard Jelínek</i>			
Optional Course – Physical Training <i>PaedDr. Bohumil Hněvkovský, as. Bohuslav Přihoda</i>		30 CC	30 CC

* The student shall sign-up for courses at offered ; ** The credit shall be awarded after successful defence of the thesis at the Students Scientific Conference. Notice : **CC** – course credit, **MC** = module credit, **E** = exam

CYCLE III. – CLINICAL PREPARATION

YEAR V.

Module / course	Lecturer	Credits	Semester – hours (total number)	
			Winter	Summer
			Confer., seminars a pract.training	Conf.,seminars /pract.training
MIM – Module of Internal Medicine	Coordinator prof. Michal Anděl	13		
Internal Medicine (SCK)	prof. Michal Anděl prof. Pavel Gregor prof. Jiří Horák doc. Milan Kment	10	70 CC	70 CC, E
Clinical Biochemistry (C) *	doc. Petr Čechák	1	20 CC	
Radiology and Nuclear Medicine (C)	doc. Jan Šprindrich	2	30 CC	
MS – Module of Surgery	Coordinator doc. Jan Fanta	6		
Surgery (C)	doc. Jan Fanta	2	30 CC	
Orthopaedics (C)	doc. Jan Bartoníček	3	45 CC	
Stomatology – maxillofacial Surgery (C)	doc. Eva Gojášová	1	12 CC	
MNS – Module of Neurobehavioral Sciences ***	Coordinator prof. Cyril Höschl	6	Part of SE	
Neurologie (K)	prof. Pavel Kalvach	2,5	40 CC	
Psychiatrie (K)	prof. Cyril Höschl	3,5	50 CC	
MGO – Module of Gynaecology and Obstetrics	Coordinator doc. Bohuslav Svoboda	9		
Gynaecology and Obstetrics (C)	doc. Bohuslav Svoboda	5	50 CC	
Summer Practice in Gynaecology and Obstetrics (C)	MUDr. Marie Bendová	4		2 weeks (80 hours) CC
MP– Module of Paediatrics	Coordinator prof. Jan Lebl	4		
Paediatrics (C)	prof. Jan Lebl	3,5	50 CC	
Clinical Genetics (C)	MUDr. Martina Langová	0,5	10 CC	
SC – Other Separated Courses		20		
Infection and Geographic Medicine í	doc. Jiří Beneš	3	50 CC, E	
Otorhinolaryngology	doc. Aleš Hahn	3	50 CC, E	
Ophthalmology	prof. Pavel Kuchynka	3	50 CC, E	
Critical Care	doc. Jan Páchl	2	30 CC, E	
Dermatovenerology	prof. Petr Arenberger	3	45 CC, E	
Forensic Medicine	MUDr. Jiří Hladík	2	30 CC, E	
Summer Practice in Compulsory Field or with General Practitioner	doc. Monika Kneidlová	4		2 weeks (80 hours) CC
Dissertation **	prof. Kamil Provazník	2		

* The credit in Clinical Biochemistry, which is requisite for Part of Final state Examination in Internal Medicine, can be fulfilled in the 6th year.

** Commencing the 5th year, students shall select the topic of their dissertation. The dissertation shall be overseen by a supervisor and shall be defended in the 6th year as part of the state examination in Preventive medicine. The dissertation topic focused on prevention can be assigned under any teaching department of the faculty. All dissertations are administered by the Centre of Preventive Medicine.

*** State Final Exam in Module of Neurobehaviour Sciences comprises also medical psychology and pathopsychology. (Exam in the 4th year)

Notice: C = course, SC = separated course, C = credit, CC = course credit, E = exam, SE = part of Final State Examination

YEAR VI.

Module / course	Lecturer	Semester hours (total number)	
		Winter	Summer
MIM Module of Internal Medicine	Coordinator prof. Michal Anděl	Credits 15	
Internal Medicine *	<i>prof. Michal Anděl prof. Jiří Horák, prof. Petr Widimský</i>	8 weeks (240 h) MC, SE	
Clinical biochemistry	<i>doc. Petr Čechák</i>	20 CC	
MS Module of Surgery	Coordinator doc. Jan Fanta	Credits 14	
Surgery	<i>doc. Jan Fanta, doc. Jan Bartoniček, MUDr. Ludomír Brož, doc. Miroslav Tvrdek</i>	7 weeks (210 h) MC, SE	
Surgery (MSC)	<i>doc. Jan Fanta</i>		
Orthopaedics (MSC)	<i>doc. Jan Bartoniček</i>		
Urology (MSC)	<i>doc. Michael Urban</i>		
Burn Medicine (MSC)	<i>MUDr. Ludomír Brož</i>		
Plastic Surgery (MSC)	<i>doc. Miroslav Tvrdek</i>		
Clinical Anatomy (MSC)	<i>prof. Josef Stingl</i>	10	
MGO Module of Gynaecology and Obstetrics	Coordinator doc. Bohuslav Svoboda	Credits 7,5	
Gynaecology and Obstetrics	<i>doc. Bohuslav Svoboda</i>	4 weeks (120 h) MC, SE	
MP Module of Paediatrics	Coordinator prof. Jan Lebl	Credits 5,5	
Paediatrics	<i>prof. Jan Lebl</i>	3 weeks (90 h) MC, SE	
MPM Module of Preventive Medicine	Coordinator prof. Kamil Provazník	Credits 15	
Preventive Medicine	<i>prof. Kamil Provazník, prof. Milena Černá, prof. Michal Anděl, prof. Miroslav Cikrt</i>	8 weeks (240 h) MC, SE	
Preventive Medicine and Public health (MSC)	<i>prof. Kamil Provazník, PhDr. Eva Křížová</i>		
General Hygiene (MSC)	<i>prof. Milena Černá</i>		
Nutrition (MSC)	<i>prof. Michal Anděl</i>		
Occupational Medicine (MSC)	<i>doc. Evžen Hrnčíř</i>		
Sport Medicine (MSC)	<i>MUDr. Vladimír Štich</i>		
Child and Adolescent Health (MSC)	<i>doc. Hana Provazníková</i>		
Epidemiology (MSC)	<i>MUDr. Alexander Martin Čelko</i>		
Family Medicine (MSC)	<i>MUDr. Helena Hovorová</i>		
Dissertation – continuation	<i>prof. Kamil Provazník</i>	Credits 3	

*Before the Part of State Exam in Internal Medicine, the student must be granted credits in Clinical Biochemistry. Individualy clinics and departments determine where the location of given activities.

Notice: SE = part of Final State Examination, MSC = Module Sub–course.

HOURS OF SUBJECTS IN THE CURRICULUM

STUDY YEAR	1.		2.		3.		4.		5.		6		
Number of hours for the subject													
Lectures (lec); practice, seminars(pr)/dissection	lec	pr	lec	pr	lec	pr	lec	pr	lec	pr	lec	pr	In total
Anatomy *	39	90	44	88		2		2			10		275
Histology and Embryology*	28	60	18	25									131
Physiology *	32	63	46	66				1					208
Chemistry and Cell Biochemistry*	68	72	8	21									169
General Biology and Genetics	28	57											85
Cell and Molecular Biology	26	46											72
Immunology	4	12			12	4		22					54
Biophysics		32											32
Nuclear Medicine	2	6				5		5		15			33
Radiology		10				2		8		15			35
Sources of Scientific Information		5											5
Biostatistic				20									20
Hazard Identification and Health Risk, Assessment and Management				16									16
Basic Scientific Methodology				16									16
Needs of Patients	8	50				1		31					90
Basics Humanities	15	15	15	15									60
First Aid and Critical Care	15	15				5		71		30			136
Psychology			16			2							18
Basics of Nursing				60									60
Epidemiology				16		6		3				22	47
Microbiology					27	71		3					101
Pathology					57	81		61					199
Pathophysiology					30	72		30					132
Clinical Genetics					12					10			22
Pharmacology					16	51		53					120
Internal Medicine						133		116		140		240	629
Clinical Biochemistry						3		4		20			27
Surgery						32		7		30		72	141
Urology						2		2				26	30
Orthopaedics						2		2		10		45	59
Plastic Surgery						3						24	27
Burns Medicine						5		3				18	26
Neurosurgery						1		2				6	9
Cardiology												6	6
Stomatology						16				12			28
Paediatrics						29		37		50		90	206
Neurology						40		22		40			102
Psychiatry						17		81		50			148
Gynaecology and Obstetrics						33		44		50		120	247
ENT						21		28		50			99
Ophthalmology						11		23		45			79
Dermatology						11		23		45			79
Infection and Geographic Medicine						12		6		50			68
Oncology						1		4		41			46
Forensic Medicine								8		30			38
Rehabilitation						1		2					3

STUDY YEAR	1.		2.		3.		4.		5.		6			
Number of hours for the subject														
Lectures (lec); practice, seminars(pr)/dissection	lec	pr	lec	pr	lec	pr	lec	pr	lec	pr	lec	pr	In total	
Occupation Medicine								9					22	31
Nutrition						5							20	25
General Hygiene								6					16	22
Sport Medicine						2							17	19
Child and Adolescent Health								10					18	28
Preventive Medicine and Public Health													25	25
Family Medicine and Primary Medical Care													90	90
Dissertation – consultation													10	10
Compulsory Optional Courses						60		90						150
Physical Training		60		60		60								180
Practice in Nursing				120										120
Practice in Internal Medicine								120						120
Practice in Surgery								80						80
Practice in Gynaecology and Obstetrics										80				80
Practice in Compulsory Field										80				80
Medical Terminology – Latin		30												30
Czech Language		90		60										150
Czech Language – communication with Patients						30								30
Integrated lectures and conferences	20		16											36
	285	713	163	583	154	832	0	1019	0	893	10	887	5539	

INSTRUCTION IN MODULES AND COURSES

Study Year	1.	2.	3.	4.	5.	6.
Teaching Hours in the subject Lectures, practice, seminars/ dissection						
Anatomy *	IA	IA	IIC6	IIC13		MS
Histology and Embryology*	IA; IB	IA				
Physiology *	IA	IA	IIC2			
Chemistry and Cell Biochemistry	IA; IB	IA				
General Biology and Genetics	IB		IIA		MP	
Cell and Molecular Biology	IB					
Immunology	IB		IIA	IIC19		
Biophysics	IC					
Nuclear Medicine	IC		IIC1,3,5	IIC7,10,15	MIM	
Radiology	IC		IIC6	IIC7,10,15	MIM	
Sources of Scientific Information	IC					
Biostatistic		IE				
Hazard Identification and Health Risk, Assessment and Management		IE				
Needs of the Patients	ID	ID				
Basic Scientific Methodology		IE				
Basics Humanities	ID	ID				
First Aid and Critical Care	ID		IIC1,2	IIC15	SC	
Psychology		ID	IIB			
Basics of Nursing	ID	ID				
Epidemiology		IE	IIC1	IIC12,17		MPM
Microbiology			IIA; IIC1	IIC10		

Study Year	1.	2.	3.	4.	5.	6.
Teaching Hours in the subject Lectures, practice, seminars/ dissection						
Pathology			IIA; IIC3,4,5,6	IIC6,8,9,10,11,12,13,16,18		
Pathophysiology			IIA; IIC1,3,4,5,6	IIC7,9,10,15,18		
Clinical Genetics			IIA		MP	
Pharmacology			IIA; IIC1,2,3,4,5,6	IIC7,8,9,10,12,13,14,15,16,18		
Internal Medicine			IIB; IIC3,4,5	IIC9,10	MIM	MIM
Clinical Biochemistry			IIC5,6	IIC10	MIM	
Surgery			IIB;	IIC10,15	MS	MS
Urology			IIC4	IIC15		MS
Orthopaedics			IIC6	IIC15	MS	MS
Plastic Surgery			IIB			MS
Burns Medicine			IIC1,3	IIC15		MS
Neurosurgery			IIC6	IIC15		MS
Cardiosurgery						MS
Stomatology			IIB		MS	
Paediatrics			IIB; IIC2	IIC17	MP	MP
Neurology			IIB; IIC2,3,4,6	IIC7,9	MNS	
Psychiatry			IIB; IIC2	IIC8,9	MNS	
Gynaecology and Obstetrics			IIB; IIC3,4	IIC16	MGO	MGO
ENT			IIB; IIC3,4	IIC13,15	SC	
Ophthalmology			IIB; IIC4	IIC13,15	SC	
Dermatology			IIB	IIC11	SC	
Infection and Geographic Medicine			IIC1	IIC10	SC	
Oncology			IIC2	IIC12		
Haematology			IIC4			
Forensic Medicine				IIC15,18	SC	
Rehabilitation			IIC6	IIC15		
Occupation Medicine				IIC7,9		
Nutrition			IIC5			MPM
General Hygiene				IIC18		MPM
Sport Medicine			IIC5			MPM
Child and Adolescent Health				IIC17		MPM
Preventive Medicine and Public Health						MPM
Family Medicine and Primary Medical Care						MPM
Dissertation – consultation					MPM	MPM
Compulsory Optional Courses			COC	COC		
Physical Training	SC	SC	SC			
Practice in Nursing		SC				
Practice in Internal Medicine				SC		
Practice in Surgery				SC		
Practice in Gynaecol. Obstetrics					SC	
Practice in Compulsory field					SC	
Medical terminology – Latin	SC					
Integrated Lectures and Conferences	I.A	IA				

Explanatory notes for the chart **Hours of Subjects in the Curriculum:**

IAModule IA Structure and function of human body
IBModule IB Cell Biology and Genetics
ICModule IC Biophysics and Informatics
IDModule ID Needs of the Patient
IEModule IIA Theoretical Foundations of Clinical Medicine
IIBModule IIB Clinical Propedeutics
IICModule IIC Basic Clinical Problems ,
IIC1Module IIC Sub–Course No. 1 Fever
IIC2Module IIC Sub–Course No. 2 Pain
IIC3Module IIC Sub–Course No. 3 Disorders of Renal function and Edemas
IIC4Module IIC Sub–Course No. 4 Bleeding
IIC5Module IIC Sub–Course No. 5 Endocrine and Metabolic Diseases
IIC6Module IIC Sub–Course No. 6 Locomotion Disorders
IIC7Module IIC Sub–Course No. 7 Disturbances of the Nervous system
IIC8Module IIC Sub–Course No. 8 Mental Disorders
IIC9Module IIC Sub–Course No. 9 Dyspnoe and Chest Pain
IIC10Module IIC Sub–Course No.10 GIT and Abdominal Complaints
IIC11Module IIC Sub–Course No.11 Cutaneous Changes
IIC12Module IIC Sub–Course No.12 Tumors
IIC13Module IIC Sub–Course No.13 Sensoric Disorders
IIC14Module IIC Sub–Course No.14 Failure of Vital Functions
IIC15Module IIC Sub–Course No.15 Trauma
IIC16Module IIC Sub–Course No.16 Development of the Fetus
IIC17Module IIC Sub–Course No.17 Disorders of Growth and Development in Postnatal Period
IIC18Module IIC Sub–Course No.18 Aging and Dying
IIC19Module IIC Sub–Course No. 19 Disorder of Immunity
MPModule of Paediatrics í
MGOModule of Gynaecology and Obstetrics
MSModule of Surgery
MNSModule of Neurobehavioral Sciences
MPM.....Module of Preventive Medicine
MIM.....Module of Internal Medicine
COCCompulsory Optional Courses
SC.....Separated Course

Compulsory Optional Courses – 2003/2004

Num. of EC	Name of the Course (C) Supervisor	Max. num. of students	Day in week	Hours per semester
WINTER SEMESTER				
List of the courses for 3rd, 4th year				
	Genotoxicology (repeated in summer semester) – Doc.I. Bárta	3	Tue	30
	Developmental Toxicology and Teratology — Prof.R. Jelínek, MUDr. L.Heringová	8	Thu	30
	Clinical Genetics – MUDr. M. Langová	3	Tue/Thur	30
	Clinical Cytogenetics – RNDr. Z. Polívková	3	Mon,Tue	30
	Rheumatology– Diagnosis and Management of Rheumatic Diseases Doc.M.Valešová	5	Wed	30
	Immunology of Infectious Diseases, Molecular Mechanisms of Defense Against Infections – Mgr. M.Lipoldová	15	Thu	15
	Academic Communication in English – MUDr. D. Grundová	10	Any	30
	Czech–English Medical Conversation – MUDr. D. Grundová	6	Any	30
	Elementary Communication in Czech Doc. J. Přivratská (course will be repeated in summer semester)	any	Any	30
List of the courses for 4th year				
	Urgent Procedures in Burn Medicine Prof.R. Königová (Two semesters course)	6–8	Mon 14:00	45
	Methods of Nuclear Cardiology in Clinical Practice – MUDr. O. Lang (repeated in summer semester)	3	Mon	15
	Clinical Immunology and Allergy – MUDr. P. Kučera	2–3	Mon/Tue	30
	Urooncology – Doc. M. Urban, Dr. Matoušková	2–3	Thu	15
	Neonathology (Ústav pro péči o matku a dítě , (Institute of Mother and Child Care in Praha–Podolí, Prague 4, Podolské nábř.157) (repeated in summer semester, As.MUDr.Z.Straňák	6	Thur	15
	Urogynecology and modern surgical miniinvasive treatment – Ústav pro péči o matku a dítě , (Institute of Mother and Child Care in Praha–Podolí, – Prague 4, Podolské nábř.157) Doc. J. Feyereisl	5	Tue	15
	Diabetes and pregnancy Ústav pro péči o matku a dítě , (Institute of Mother and Child Care in Praha–Podolí, Prague 4, Podolské nábř.157 As. MUDr.A. Měchurová	6	Thur	15
	Current Clinical and Pathophysiological Problems in Nephrology MUDr. M.Havrda	20	Thur	30
SUMMER SEMESTER				
List of the courses for 3rd and 4th, year				
	Genotoxicology – Doc. I. Bárta (repetition)	3	Tue	30
	Academic Communication in English – MUDr. D.Grundová	10	Any	30
	Czech–English Medical Conversation – MUDr. D.Grundová	10	Any	30
	Elementary Communication in Czech – Doc.J.Přivratská	any	Any	30
	Monoclonal antibodies and selected therapeutically important cytokines and their use in medicine ,Institute of Hematology and Blood Transfusion , Prague 2, U nemocnice 1, Building B, 2nd floor, r.n. 207 MUDr.P. Stöckbauer	10	Tue or Thur	
	Soluble Mediators of Immunity – Dr.J.Vojtišková	15	Thur	15
	Modern trends in Radiological Imaging – Doc.Šprindrich	15	Thu	15

Num. of EC	Name of the Course (C) Supervisor	Max. num. of students	Day in week	Hours per semester
List of the courses for 4th year				
	Methods of nuclear cardiology in clinical practice – MUDr. O. Lang (repetition)	3	Mon	15
	Prenatal diagnosis, genetics Ústav pro péči o matku a dítě , (Institute of Mother and Child Care in Praha–Podolí, – Prague 4, Podolské nábř.157) (repetition) As.MUDr. L. Krofta	5	Thur/2 1–8 week	15
	Urgent Procedures in Burn Medicine – Prof. R. Königová Two semester course	5	Mon	45
	Immunopathology in reproduction – Ústav pro péči o matku a dítě , (Institute of Mother and Child Care in Praha–Podolí – Prague 4, Podolské nábř.157) (repetition) As. Dr. J. Madar	6	Thur	15
	Endoscopy, surgery–modern surgical technology Ústav pro péči o matku a dítě , (Institute of Mother and Child Care in Praha–Podolí, – Prague 4, Podolské nábř.157 (repetition) As. MUDr. E.Kučera	5	Thue	15
	Endourology – Doc.M. Urban	2–3	Thur	15
	Trophoblastic disease Ústav pro péči o matku a dítě , (Institute of Mother and Child Care in Praha–Podolí, – Prague 4, Podolské nábř.157(repetition) As.MUDr. P.Šafář	5	Thur	15

Student Scientific Activity

Num. of SSA	Topics Supervisor	Max. num. of students	Day in week	Hours per year
List of the Student Scientific Activity for Year 3 – 6				
1	Antimutagenic and anticarcinogenic effect of natural compounds – Genotoxic effects of mycotoxins and their biological interactions – Doc.I. Bárta	2	Tue	60

3rd FACULTY OF MEDICINE, CHARLES UNIVERSITY IN PRAGUE

STUDY AND EXAMINATION REGULATIONS

Under sections 27 (1) (b) and 33 (2) (f) of the Act No. 111/1998 Coll., on Higher Education and Changes in and Amendments to other Acts (Higher Education Act), the Academic Senate of the 3rd Faculty of Medicine has adopted the following Study and Examination Rules of the 3rd Faculty of Medicine, as an internal regulation of the Faculty.

PART I. GENERAL PROVISIONS

Article 1 Introductory Provision

These Rules shall govern the course of study at the 3rd Faculty of Medicine of Charles University (hereinafter "the Faculty")

Article 2 University Education

1. University education shall be acquired by studying on an accredited programme of study according to a study plan in a prescribed form. Instruction shall be provided by professors, associate professors (docents) and senior lecturers, scientific workers of the faculty and outstanding external specialists from scientific establishments and from the practice. The preparation and evaluation shall be guaranteed by a guarantor, a board of guarantors or a Subject Area Council established under Art. 23 of the Constitution of the University.

2. The faculty shall organise Bachelor's, Master's and Doctoral programmes of study.

3. The Bachelor's programme of study shall take the form of full-time and/or combined study. The study shall be completed in due form by a State Final Examination, which shall include the defence of a Bachelor's thesis. The graduates shall be awarded the academic degree "Bachelor" (abbreviated to "Bc." in front of the name).

4. The Master's programme of study:

a) The Master's programme of study in medicine shall take the form of full time study. The study shall be completed in due form by a State Rigorous Examination, which shall consist of several parts. The graduates shall be awarded the academic degree "Doctor of Medicine" (abbreviated to "MUDr." in front of the name).

b) Other accredited Master's programmes of study may follow previous Bachelor's programmes of study, or they may be independent. The programmes of study shall take the form of full time and/or combined study, and depending on the form of study may involve a shorter period of study. The study shall be completed in due form by a State Final Examination, which shall include the defence of a Master's thesis. The

graduates shall be awarded the academic degree "Master" (abbreviated to "Mgr." in front of the name).

5. The Doctoral programme of study shall take the form of full time and/or combined study. The study shall be completed in due form by a State Doctoral Examination and the defence of a Doctoral dissertation. The graduates shall be awarded the academic degree "Doctor" (abbreviated to "Ph.D." behind the name). The study on the Doctoral programme of study shall be governed by a separate internal regulation¹.

6. The programmes of study shall be specified in study plans. The study plan shall determine mainly study obligations for each academic year.

7. Full-time study: In the study plan the instruction shall be organised in the form of lectures, tutorials, seminars, courses, practical classes, laboratory classes, consultations, conferences and independent study, which shall be held according to the regular schedule.

8. Combined study: In the study plan the instruction shall be organised in the form implementing both full-time study and distance learning principles, possibly with the use of multimedia instruction.

9. Students on the programme of study for foreigners, which is held in a foreign language, shall be obliged to pay a tuition fee under s. 58 (5) of the Higher Education Act, Art. 26 (4) and Art. 33 (1) (c) of the Constitution of the University, and Art. 1 (3) and Art. 2 (5) of the Appendix No. 6 to the Constitution of the University.

10. Students of Charles University in Prague who have not registered at the Faculty may attend all lectures without any restriction. Attendance at other forms of instruction shall be subject to approval of the respective teacher. Students may have their study results assessed only if they have the appropriate study obligation registered in their Study Credit Book and confirmed by the Study Department of the Faculty.

¹ Rules of Doctoral Programmes of Study of the 3rd Faculty of Medicine

Article 3 Organisation of Study

1. The academic year shall last twelve calendar months. Its commencement shall be determined by the Rector.
2. The academic year shall be divided into a winter term, a summer term and vacations. The dates of commencement of terms and vacations shall be determined by the Rector.
3. The commencement of instruction, examination period, practical trainings and other details concerning the division of a term shall be determined by the Dean of the Faculty upon consultation with the Rector.
4. If the study plan provides so, compulsory practical training and optional physical education courses may be done during vacations. Upon agreement with the relevant teachers, students may fulfil their study plans during vacations.
5. An examination may be held during vacations provided that it has been approved by the teacher (the board) and the student.

PART II. STUDY ON BACHELOR'S AND MASTER'S PROGRAMMES OF STUDY

Article 4 Course of Study

1. An applicant shall become a student on the date of registration at the University. S/he shall have the right to attend all forms of instruction at the Faculty within the registered study plan from that date. Registration shall be held on dates determined by the Dean of the Faculty.
2. The Faculty shall issue to the student a Study Credit Book and a Student Identity Card during registration. Students shall make a matriculation oath; the dates of matriculation ceremonies for individual faculties shall be determined by the Rector.
3. Any student shall have the right to attend lectures within the University.
4. Registration for each year of study shall be carried out in the time period determined by the Dean. The announcement of registration shall be published on the official noticeboard not later than 2 months before the registration date. On registration for a year of study the student shall be obliged to submit her/his Study Credit Book so that the fulfilment of her/his study obligations can be checked. The student who has fulfilled study obligations entered in her/his Study Credit Book may register for the following year. Another condition for registration may be the fulfilment of other requirements resulting from the regulations of healthcare establishments; these requirements

shall be provided in the Dean's measure. Other conditions for registration of students on the parallel programme of study in English shall be defined in a contract made between the Faculty and the student.

5. A study obligation shall be defined as passing an assessment of study in the form prescribed in the study plan (Art. 6 (1)).¹
6. The student shall enter in her/his Study Credit Book the compulsory part of the study plan for the individual year of study: compulsory and elective study obligations. The fulfilment of all entered study obligations shall be checked during registration for further years of study according to cl. (1). Students of Charles University in Prague, who have not registered at the Faculty, may submit a written application for entering the subjects from study plans implemented by the Faculty. If the Dean approves their application, the Study Department shall confirm the entry into the Study Credit Book.
7. Registration for a year of study shall be terminated 10 working days after the commencement of instruction. A student may submit a written application for the postponement of the date of registration, however, only for particularly serious reasons (health, personal, stay abroad, etc.) and s/he must have fulfilled all study obligations required for progression to the higher year of study before the specified date of commencement of instruction.
8. The names of students who have failed to register without an excuse shall be published on the official noticeboard as a summons to alternative registration. The dates of alternative registration shall be published on the official noticeboard not later than 10 days before the alternative registration. The failure to register after the summons shall be considered as a case under Art. 12 (1) (b). This provision shall not apply if the student failed to register on the alternative date for serious reasons.
9. A student who has failed to fulfil no more than two study obligations in a year of study may be permitted by the Dean to repeat the year of study upon a written application filed not later than 10 days before the termination of registration. The Dean may waive the default of time in justified cases. If a student has not fulfilled more than two study obligations in a year of study, or if s/he has not been permitted to repeat the year of study under the first sentence of this clause, such situation shall be considered as a case under Art. 12 (1) (b).

10. The repetition of a year of study may not be permitted more than twice in the whole course of study; however, the same year of study may not be repeated twice. In the repeated year the student shall be obliged to fulfil all study obligations in subjects which have been the cause of repetition. Students of the parallel programme of study in English shall pay the tuition fee for the repeated year of study only for study obligations which have been the cause of repetition.
11. If a student files an application for transfer from one form of study to another within the same Bachelor's or Master's programme of study, the Dean shall approve the application unless s/he finds any obstacles to the arrangement of instruction for the student in the requested form of study. The application must be filed at least three months and not later than two months before the end of the respective academic year. One unit of study must always be completed only in one form of study. The provisions of Art. 9 shall not be prejudiced by this clause.

Article 5 Interruption of Study

1. Studies on a programme of study may be interrupted more than once.
2. The Dean may interrupt study of a student upon the student's written application or on her/his own initiative if this is necessary to prevent damage threatening the student, provided that the origin of the damage is not related to the previous fulfilment of study obligations. If a student applies for interruption of study after s/he has proved the fulfilment of obligations in the given unit of study and before s/he has registered for the following unit of study, and unless disciplinary proceedings have been initiated against the student, the Dean shall approve such application; study may be interrupted in this way for the minimum period of one term. Cl. (8) shall not be prejudiced by this provision.
3. The Dean shall interrupt study on her/his own initiative to the student who has been under the obligation to pay tuition fees under s. 58 (3) or (4) of the Higher Education Act and has not paid the fees within 15 days from the delivery in her/his own hands of notice to pay such fees; this provision shall not apply if it appears that there is a substantial fact which would result in the Dean's proposal for the reduction, waiver or deferral of payment of the fees. In such case the proposal shall be delivered to the Rector without undue delay. In the notice to pay the Dean shall inform the student of the right to state facts suggesting that the duty to pay has not arisen or ceased to

exist, or that there is a justification for the reduction, waiver or deferral of payment of the fees. If the student applies for a personal interview before the decision is issued, s/he shall be invited to an interview without delay.

4. Under cl. (3) study shall be interrupted for the period remaining to the expiration of the maximum duration of study. If the fees are paid and the person applies for the termination of interruption of study, the Dean shall approve the application and decide to terminate the interruption of study not later than on the last day of the term in which the application was filed or on the last day of the academic year, if the application was filed during the summer term or vacations.
5. On the date of interruption of study the student shall lose the status of student under the Higher Education Act, and time periods for the fulfilment of study obligations shall neither start nor continue. Upon termination of interruption of study, the Dean shall decide the assignment of the student to the appropriate unit of study, if necessary. If the student's study plan was changed during the interruption of her/his study, the Dean shall determine which study obligations the student must fulfil as well as deadlines for their fulfilment according to the Study and Examination Rules and the respective programme of study; in this connection the Dean may also impose the obligation on the student to take differential examinations in a prescribed period of time.
6. Upon expiration of the period of time for which the study was interrupted, the person to whom the study was interrupted shall acquire the right to re-register for study. If the reasons for interruption of study no longer apply, the Dean may terminate the interruption of study upon written application filed by the person to whom the study was interrupted even before the expiration of the period of interruption. If the person does not register within the given period of time, the provisions of Art. 4 (8) shall apply.
7. With the exception of cases where the reasons are particularly serious, mainly health reasons, study may not be interrupted before the completion of the first year of study.
8. The longest overall period of interruption of study² shall be such period, which together with the real period of study shall not exceed the maximum duration of study. The real period of study shall be the period which has elapsed from the date of

² S. 54 (1) of the Higher Education Act

registration at the University minus the period of time for which the study was interrupted.

9. If a student on a Doctoral programme of study applies for interruption of study the Dean shall approve such application, unless disciplinary proceedings have been initiated against the student in which the Disciplinary Commission has proposed the sanction of expulsion from study, the Dean has neither mitigated the sanction by her/his ruling nor referred the case back to the Commission, or the Rector has cancelled the Dean's ruling. Study may be interrupted for a minimum period of one year. The longest overall period of interruption of study shall be five years.

Article 6 Forms of Assessment of Study

1. The forms of assessment of study shall be continuous assessment, credits, examinations, State Final Examinations, State Rigorous Examinations, the defence of a dissertation thesis and State Doctoral Examinations.
2. Credits shall be awarded upon the fulfilment of requirements specified for a given subject. If a credit and an examination are prescribed by the study plan, then obtaining the credit shall be the condition for taking the examination. Conditions for awarding credits shall be determined by the head teacher of the subject at the beginning of instruction and s/he shall publish them in the usual manner. As a rule, the conditions shall not be changed during the academic year; in especially well-founded cases the Dean may permit an exception following proposal by the Academic Senate; her/his decision shall be final. The teacher shall enter the word "započteno" ("credit") in the Study Credit Book. Where a credit is not awarded, nothing shall be entered in the Study Credit Book.
3. The forms of examination shall be written, oral, practical and combined. A combined examination shall consist of at least two forms mentioned in the first sentence. In all forms of examination the student may require detailed information concerning the results (including the possibility to examine the results of the written part of examination – tests, written papers, essays, etc.).
4. The form of examination and basic requirements for the examination shall be determined by the head teacher of the subject not later than 10 weeks before the commencement of the examination period, the dates of examinations shall be determined not later than 4 weeks before the commencement of the examination period.
5. The results of examinations, State Final and State Rigorous Examinations shall be marked by the

examiner or board of examiners, using the following scale of grades:

výborně (excellent)	(1)
velmi dobře (very good)	(2)
dobře (good)	(3)
neprospěl/a (failed)	(4)

6. The examiner or board of examiners shall enter the result in the Study Credit Book together with the date of examination and their signature. The result "neprospěl/a" (failed) shall not be entered in the Study Credit Book, only the date of examination without a signature shall be entered. Classification by grade "neprospěl/a" (failed) shall mean that the student has not passed the required form of assessment of study.
7. A student may not take any exam more than three times, i.e. s/he shall have the right to two resit dates; no extraordinary resit date³ shall be permitted. On Doctoral programmes of study a student may not take an exam more than twice, i.e. s/he shall have the right to only one resit date.
8. The number of examination dates must correspond to the number of students and the dates must be spread over the whole examination period. The head teacher of the subject shall announce a sufficient number of examination dates, so that the overall examination capacity shall exceed at least by 50% the number of students to be examined, and s/he shall determine the maximum number of students that can register for the given date. The calculation of number of examination dates shall be based on the list of students in the respective part of instruction provided by the Study Department. The head teacher of the subject shall also assign examiners and their alternates for individual dates. The provision in the first sentence above shall not constitute the right to arrange for a special examination date. The provision in the first sentence of cl. (7) shall not constitute the right to arrange for a special examination date.
9. The Dean may, on her/his own initiative or upon request of the teacher or student, decide that the examination shall be taken before a board, which shall be nominated by him/her.

Article 7 State Final Examinations and State Rigorous Examinations

1. State Final Examination and State Rigorous Examination (hereinafter "the State Examination", the abbreviated term shall also designate a part of the examination) shall be taken before a Board of Examiners. The State Examination and the

³ S. 68 (3) (a) of the Higher Education Act

- announcement of its results shall be public. A record of the course of the State Examination shall be taken and it shall be signed by the President or by an authorized member of the Board acting on her/his behalf and by all the present members of the Board. At least three members of the Board must be present.
2. The President and members of the Boards shall be appointed from among Professors, Docents and specialists approved by the Scientific Council of the Faculty by the Dean, who shall also dismiss them. Other members of the Board shall be specialists appointed by the Ministry of Education, Youth and Sports of the Czech Republic.
 3. The State Rigorous Examination shall consist of individual parts corresponding with the programme of study. The State Final Examination shall consist of two parts; the first part shall be the defence of thesis.
 4. State Examinations shall be taken on dates determined by the Dean of the Faculty, who shall decide a regular date and two resit dates. The dates shall be published on the official noticeboard of the Faculty not later than one month before the examination.
 5. A student may register for a State Examination, provided that s/he shall have fulfilled the relevant study obligations prescribed in the study plan. The student shall register for the announced dates of the State Examination with the secretariat of the centre or clinic using the appropriate form.
 6. A student must take the State Examination not later than two years from the first day of the calendar month following the day of her/his fulfilment of the requirements for taking the State Examination. The provision of Art. 5 (5) shall not be prejudiced by this clause. If the student does not pass the State Examination within the given period of time, the situation shall be considered as a case under Art. 12 (1) (b). The day of fulfilment of the requirements according to the first sentence of this clause shall be defined as the first date announced for the respective State Examination for which the student may register under cl. (5).
 7. If a student is classified by the grade "neprospěl/a" (failed) on the second resit of the State Examination, the situation shall be considered as a case under Art. 12 (1) (b).
 8. A student who failed to take the State Examination (or its part) or its resit on the given date and whose absence was not excused at least 5 working days before the date of the examination shall be permitted an alternative date only upon agreement with the President of the Board. The same procedure shall apply for the determination of the first resit.
 9. A withdrawal from a State Examination after its commencement on grounds of momentary indisposition shall only be permissible unless the student has been set examination questions. If the student has been set the questions and s/he withdraws from the examination, s/he shall be classified by the grade "neprospěl/a" (failed).
 10. The student who passed State Examinations on regular dates (three weeks before the date of graduation ceremony) and fulfilled other possible requirements specified in the Dean's measure shall be included on the list of graduates for the regular date of graduation ceremony determined by the Rector of the University.
 11. A student may not register for the first resit of a State Examination earlier than four weeks from the date of the regular State Examination. A student may not register for the second resit of a State Examination earlier than five months from the date of the first resit of the State Examination. Another resit of a State Examination shall not be permitted.
 12. The overall result of a State Examination shall be classified by the following scale of grades:
 - v ýborn ě* (excellent) – up to the average 1.20
 - velmi dobře* (very good) – up to the average 2.00
 - dobře* (good) – from the average 2.01
 The final marking of the State Examination of the student shall be announced by the Board consisting of Presidents or members of Boards for individual parts of the State Examination. The Board shall be summoned by the Dean through the Study Department.
 13. The overall result of study shall be assessed by the following scale of grades:
 - *prospěl s vyznamenáním* (passed with distinctions)
 - *prospěl* (passed)
 - *neprospěl* (failed)
 14. A student shall graduate with distinctions if:
 - the average mark from the 1st to the 5th year of study did not drop below 1.2,
 - no part of her/his state examination was resat,
 - he received no "dobře" (good) grades,
 - the overall result of her/his State Examination was "excellent" (1).
 If the student received a "good" grade in one subject from the 1st to the 5th year of study, the Dean may allow a resit upon the student's request."
 15. A State Examination may not be taken if the student is subject to disciplinary proceedings in

which the Disciplinary Commission proposed the sanction of expulsion from study, the Dean neither mitigated the sanction by her/his ruling nor returned the issue back to the Commission and the Rector did not cancel the Dean's ruling.

Article 8 Individual Study Plan

1. The Dean may permit a student upon her/his written application to study according to an individual study plan (hereinafter "ISP"), which shall provide mainly the arrangement of the compulsory part of study while maintaining the coherent order of subjects.
2. Study according to an IPS shall be permitted by the Dean for the period of an academic year.
3. Upon termination of study according to an IPS, the Dean shall decide on the assignment of the student to the appropriate year of study. If a student has not fulfilled the compulsory part of study according to the ISP, the Dean may permit the student upon her/his written application to repeat the year of study under the same conditions as provided in Art. 4 (9). If the student has not fulfilled her/his obligations or if s/he has not been permitted the repetition of the year of study, the situation shall be considered as a case under Art. 12 (1) (b).

Article 9 Maximum Duration of Study

1. The maximum duration of study on a Bachelor's programme of study shall be the standard period of study plus three years.
2. The maximum duration of study on a Master's programme of study shall be the standard period of study plus five years. The maximum duration of study on a Master's programme of study, which follows a Bachelor's programme, shall be the standard period of study plus three years.
3. The maximum duration of study on a Doctoral programme of study shall be the standard period of study plus five years, however, full time study may not exceed three years (Study and Examination Rules of the University, Art. 9 (1)).
4. If a student fails to complete her/his study within the period of maximum duration of study, the situation shall be considered as a case under Art. 12 (1) (b).

Article 10 Recognition of Study Obligations

Upon written application of the student the Dean may recognize the fulfilment of study obligations if the student has fulfilled similar study obligations at a higher education institution in the Czech Republic or abroad in recent ten years.

PART III. COMPLETION OF STUDY

Article 11 Due Form of Completion of Study

1. Study shall be concluded in due form by the completion of study on the relevant programme of study; the day of completion of study shall be the date of passing a State Final Examination or a State Rigorous Examination or its final part.
2. Completion of study in due form and the acquisition of the respective academic degree shall be certified by a higher education Diploma specifying the programme of study, or discipline of study, which shall be awarded to graduates by the University at graduation ceremony, and a Certificate of State Final Examination, State Rigorous Examination or State Doctoral Examination and the defence of Dissertation thesis. If a graduate fails to attend the graduation ceremony, the University shall award her/him the higher education Diploma in the manner determined by the Rector. Upon application the graduate shall receive an appendix to the Diploma; usually, the appendix shall be a certification of examinations passed and marks achieved.
3. Graduates in Bachelor's programmes of study shall be awarded the degree "Bachelor" (abbreviated to "Bc." in front of the name); graduates in Master's programmes of study in medicine shall be awarded the degree "Doctor of Medicine" (abbreviated to "MUDr." in front of the name); graduates in Master's programmes of study other than medicine shall be awarded the academic degree "Master" (abbreviated to "Mgr." in front of the name). Graduates in Doctoral programmes of study shall be awarded the degree "Doctor" (abbreviated to "Ph.D." behind the name).

Article 12 Other Forms of Termination of Study

1. Study shall be also terminated as a result of:
 - a) withdrawal from study; the day of termination of study shall be the date of delivery of the student's written notice of her/his withdrawal from study.
 - b) failure to fulfil the requirements resulting from the programme of study under these Rules; the day of termination of study shall be the date of legal effect of the decision on termination of study. A failure to fulfil the requirements shall be a case under Art. 4 (8) and (9), Art. 7 (6) and (7), Art. 8 (3) and Art. 9 (4).
 - c) withdrawal of accreditation for a programme of study; the day of termination of study shall

be the date of expiry of time determined in the decision of the Ministry.

- d) termination of accreditation for a programme of study; the day of termination of study shall be the date of announcement of cancellation of a programme of study by the University.
 - e) expulsion from study under the Code of Discipline; the day of termination of study shall be the date of legal effect of the decision on expulsion from study.
2. Decisions under cl. (1) (b) and (e) shall be made after the respective situation has arisen.
 3. Upon written application of the student who has terminated her/his study for reasons given in cl. (1) the Dean shall issue a transcript of fulfilled study obligations, stating for how long the student has studied and that s/he has not completed study in due form.

PART IV. DECISION MAKING ON THE RIGHTS AND OBLIGATIONS OF STUDENT

Article 13 Rights and Obligations of Students

1. Rights and obligations of students shall be provided in sections 62 and 63 of the Higher Education Act, the Constitution and internal regulations of the University and the Faculty.
2. Students shall be obliged not to disclose any information relating to individual patients which they have learned in connection with their study, including facts learned from medical documentation.⁴

Article 14 Decision Making on the Rights and Obligations of Students

Decision making on the rights and obligations of students shall be governed by the Higher Education Act and Study and Examination Rules of the University; disciplinary proceedings shall be governed by the Code of Discipline for students of Charles University in Prague and the Code of Discipline of the 3rd Faculty of Medicine; decision making on awarding scholarships shall be governed by the Rules of Scholarships of Charles University in Prague and the Rules of Scholarships of the 3rd Faculty of Medicine.

Article 15 Jurisdiction of Faculty

The procedure in deciding the rights and obligations of students (hereinafter “the procedure”) in the first

instance shall take place at the Faculty where the student has been registered.⁵

Article 16 Initiation of Proceedings, Dean's Decision

1. Proceedings to interrupt study started on the Dean's own initiative (Art. 5 (2)), proceedings to expel from study under s. 67 of the Higher Education Act and proceedings to set differential examinations under s. 68 (3) (d) of the Higher Education Act shall be commenced on the date of delivery of notice of the commencement of such proceedings to the student.
2. Proceedings concerning failure to fulfil requirements resulting from the programme of study according to the Study and Examination Rules (Art. 13 (1) (b), under s. 68 (3) (f) of the Higher Education Act, shall be commenced on the date of issuing the decision.
3. Proceedings concerning matters not mentioned in cl. (1) and (2) shall be commenced on the day of filing the relevant written application with the Study Department by the student. The application must contain the data necessary for the decision.
4. The Dean shall invite the student to provide additional information or explanations, if necessary. The Dean shall determine reasonable time for that purpose.
5. The Dean shall issue a decision within 30 days of the commencement of the proceedings; the time provided in cl. (4) shall not be included in this period of time. The decision under s. 68 (3) of the Higher Education Act must be executed in written form and it must contain a statement, reasoning and advice of the possibility to apply for a review.
6. Unless it is a decision under the second sentence of cl. (5), the student shall obtain information on the disposal of her/his application at the Study Department during office hours; communication of the information shall be entered in the student's records kept by the Faculty.

PART V. AMENDING, REPEALING, COMMON AND FINAL PROVISIONS

Article 17 Amending Provisions

1. Provisions in Part IV. of the Rules herein shall not apply to decision making under s. 68 (3) (a), (e) and (g) of the Higher Education Act.
2. The Dean's decision under Art. 16 (5) second sentence, and the notice under Art. 16 (1) shall be

⁴ S. 67b (11) of the Act No. 20/1966 Coll., Health Care Act, as amended.

⁵ S. 51 (2) of the Higher Education Act

delivered in the student's own hands; however, in case of the Dean's decisions under s. 68 (3) (f) and (h) alternative delivery shall not be permitted.

3. The Dean's decisions under Part IV. shall be entered in the student's records kept by the Faculty.
4. The decision shall come into force on the day following the lapse of time for filing the application for a review, or on the day following the student's written waiver of the right to file such application, or on the day following the delivery of the Rector's decision.

Article 18 Repealing Provisions

Study and Examination Rules of the 3rd Faculty of Medicine, approved on September 24, 1999 by the Academic Senate of Charles University in Prague, with all the amendments and appendices shall hereby be repealed.

Article 19 Common and Final Provisions

1. The Rules herein were approved by the Academic Senate of the Faculty on June 5, 2003.
2. The Rules herein shall come into force on the date of approval by the Academic Senate of the University.⁶
3. The Rules herein shall become effective on September 29, 2003.

MUDr. David Marx

- Chair of the Academic Senate

doc. MUDr. Bohuslav Svoboda, CSc.

- Dean

⁶ S. 9 (1) (b) of the Act No. 111/1998 Coll., Higher Education Act, as amended. The Academic Senate of the University approved this internal regulation on June 6, 2003.

HISTORICAL NOTES

CHARLES UNIVERSITY,

3rd FACULTY OF MEDICINE,

FACULTY HOSPITAL KRÁLOVSKÉ VINOHRADY,

FACULTY HOSPITAL BULOVKA,

STATE INSTITUTE OF HEALTH,

PSYCHIATRIC CENTER PRAGUE

HOMOLKA MEDICAL CENTER

INSTITUTE OF MOTHER AND CHILD CARE IN
PRAGUE – PODOLÍ

CENTRAL MILITARY HOSPITAL, PRAGUE

INSTITUTE OF ENDOCRINOLOGY, PRAGUE

Charles University

<http://www.ruk.cuni.cz>

As early as at the end of the 13th century there seemed to be favorable conditions for expansion and fostering of education in the Kingdom of Czech Lands. Intellectual precocity of the Royal Court was a byword. The Czech Lands were famous for its Cathedral School and prominent schools of the Order. No wonder it was *Wenceslas II.* of the Přemyslids who came up with the idea of a university. The giant sails of his plan, however, were trimmed by the nobility. The idea lay dormant until the times of Charles IV., successor to the Přemyslids' throne, whose *alma mater* was the University of Sorbonne in Paris and who therefore was fully aware of the importance of university for the country as well as for its ruler.

To establish a university was no plain sailing in those times: subject to the internal conditions of the Kingdom, relations between the king and the nobility, present economic situation, and international bonds and associations. Moreover the name – *studium generale* – was a seal granted by the Papal Curia with the commitment of a best quality education. The universities in the Middle Ages concentrated knowledge as well as scholars, weaned and raised by diverse schools all round Europe. The degrees granted by these universities were recognized in the entire Christian world and the universities grew into potent cultural and social institutions.

Already authorized and accredited by the Pope, the Founding Charter was issued by Charles IV. (by then officially appointed Czech king) on the 7th April 1348. It is essential that we emphasize this was the first university in Central Europe, hence it played an important part in propagating the roots of education in this area. The Charter was issued by *Charles IV.* 'of His own accord'. In effect this meant taking on one's shoulders all the responsibilities of smooth running of the new institution. The original reads: '*... The famous university was also founded so as to aide our faithful habitants of our Kingdom in their infinite desire for the fruits of science, bar them from humble and demeaning conduct in foreign lands, and set the table for feast at home...*'. The Charter was arrogated by the Nazis in 1945 and has been unaccounted for since.

The Czech Church covered all running costs of the University. At first the University Chancellor and Prague Archbishop *Arnošt z Pardubic* took the University under his wings. By the means of various collections he bought first University movables together with a building in the Old Town of Prague. When a university college, *the Carolinum*, was set up on the 30th July 1366, the foundation of the University was completed. The fact that it has been the seat of the University rectorate until today points to the momentousness of the act of establishing the *Carolinum*.

In 1370 Charles IV. bought a legacy of 114 manuscripts left by *Vilém z Lestkova* at his death which greatly enriched the inventory of the library.

At the end of the 14th and beginning of the 15th century when the Czech Reformation saw the light of day Prague schooling enjoyed privilege equal to the corresponding institutions in Bologne (founded 1119) and Paris (founded 1253). It included all the faculties recognized in the Middle Ages: the Faculty of Arts, Law, Theology, and Medicine. Initially, lectures used to take place in professors' flats, only later did they move to a building in Kaprova street.

At that time many doctors from the milieu of the royal family practiced there – the first Professor of Medicine *being M. Valter* (1348), succeeded by *M. Baltazar de Tuscia* (1353). Each doctor-to-be had to read the ancient Antique experts, Middle Age and Jewish files, and step-by-step ply their trade in towns or in the country under close observation of professors.

In the nineties of the 14th century the generation of prevailing foreign masters was gradually substituted by their Czech counterparts who, by the way, went so far as to form their own concept of a critique of the Church as well as its entire decree so far. A key role in the process of Czech Reformation and Hussites' Ideology in general was the University translation of the Bible into Czech. Diverse as the audience were the Bible affected the cultural level of the whole Czech society before Jan Hus.

In 1415, after the death at stake of the present Rector of Charles University *Mister Jan Hus*, prevailing recalcitrant and turbulent discussions had turned into a clear-cut viewpoint of the rising movement, with one outcome: the declaration that the sacrament of the Holy Eucharist should be administered in both kinds, this being the only means to redeem one's soul. Thus the University became the first institution in the Christian world to stand up for the Reformation and play off the current exegesis of Christianity put forward by official bodies – the Council and the Pope. Over all ecclesiastical prohibitions it carried on. The so-called 'Four Articles of Prague' (a program of the moderate middle current of the Hussite movement) were formulated here. Hence, the University indubitably sustained a substantial part of the Movement, although its influence tapered off as the left wing gained on prominence.

In particular, the University wielded an immense influence on the Czech culture before the Battle of the White Mountain (1620): many works of far-reaching importance were translated into Czech to later constitute a rich cultural heritage, a bedrock of the Renaissance of the Czech People.

However, the Battle of the White Mountain, silenced the Czech non-Catholic intelligence. Rector of the University *Jan Jessenius*, a well-known surgeon who

carried out the very first Czech public autopsy (at the Old Town Square in Prague in 1600) was executed. Many more prominent Czech scholars were persecuted for their disapproval of the Hapsburgs and were driven out of the country. In the end, after more than thirty years of constant altercation over the dominance, the Jesuits appeared to have carried too many guns for everyone else and easily subjected the institution to their pecking order. There still were quite a few important professors among the staff of the Faculty of Medicine, e.g. *Jan Marcus Marci* from Kronlandu, Harvey's predecessor in Embryogenesis, who, with his interpretation of Epileptogenesis, came three hundred years ahead of his time, and *Jakub Dobřenský* from Černý Most, one of the founders of pathological anatomy. After the White Mountain period the University was renamed Charles–Ferdinand University, the name which it could not shake off for almost three hundred years.

In the middle of the 18th century the University underwent major changes. Individual faculties achieved recognition especially in the field of Mathematics and Physics, Philosophy, and Medicine. The Faculty of Medicine expanded with natural disciplines, and took on important scholars, for instance the pioneer of electrophysiology and electric treatment Czech and world–wide, *Jan K. Boháč*, who introduced experimental methods into research, an expert in anatomy *Josef T. Klinkosch*, or the physiologist of world renown in the field of nerve transmission and Dean of the Faculty (1789) *Jiří Procházka*. As a result of Medicare reform introduced by Boerhave's pupil van Swieten and realized by the government in Vienna in order to consolidate the state economy and the state of internal affairs, more and more workers in medicine found employment in practice, thus enabling rather a far–reaching quantitative expansion in the studies of Medicine.

In 1774 the University was deprived of the Church control and ranked among the institutions of the absolutist state. That is why rather liberal lectures and seminars were restricted and limited as far as their subject freedom and style of lecturing went (officially approved, standardized textbooks were introduced to facilitate the control over the curricula in the entire monarchy). There was another side to the coin, however, i.e. getting rid of anti–reformist world viewpoint and Scholastic residue.

1784 curriculum did away with Latin as an instruction language, introducing German instead. Foregoing subjects of the seven arts were shifted to secondary schools and the University focus rested solely on natural, technical, and social sciences.

The end of Enlightenment brought to the surface the struggle for language emancipation, which came to the forefront as a sign of rather more complex social problems. Repressions, which followed hunger strikes and student unrests and demonstrations, focused especially on the Faculty of Arts, saving the good name of the Faculty of Medicine which, by then, had had a considerable experience in practice and was well–known abroad.

A most prominent and central character of Czech science was Professor of Natural Sciences *Jan S. Presl*, the founder of Czech scientific terminology, and author of a Catalogue of Plants and a Catalogue of Minerals. One of the most distinguished anatomists of the 19th century *Josef Hyrtl*, dissector with an outstanding injection technique, made exemplary dissections and published an excellent textbook on anatomy (1846) in Prague. From a myriad of Enlightenment doctors we need to name at least *Jan T. Held*, who was the dean of the Faculty of Medicine (1818, 1819, 1824, 1825), rector of the University (1827) and musical composer.

It was mainly the students who dressed the soil for growing national movement, themselves being under a strong influence of unorthodox lectures given by *B. Bolzano*, who conceived religion as an ethical and educational problem. Step by step, naturalist pull was overshadowed by the drive of social sciences and modern languages and literature, from which stemmed a current of nation–liberating ideology. In 1848 the events reached its peak – the students formed, apart from many other associations, an armed Student Militia so that they could subsequently, during the uprising in June, lead the fights on barricades from the beleaguered *Klementinum*.

Repressions following the suppression of the uprising mangled education for a long time to come. A new curriculum was introduced, students' associations forced to dissolve, and many students as well as teachers were disciplined. Even the most famous Czech expert on natural sciences and professor of physiology at the Faculty of Medicine in Prague from 1849, *Jan Evangelista Purkyně* (1787–1869), was under police surveillance. His prominent pupil, *Jan N. Čermák*, the originator of rear rhinoscopy, left Prague to found Faculties of Physiology at several middle European universities. Also Prof. Ferdinand Arlt moved away just before his milestone of a textbook on eye disorder and ailments came out.

The abrupt fall of Bach's absolutist regime in 1859 ignited Czech nationalist movement which came hand in hand with unshackled development of sciences. Students' associations were revived along with a number of magazines and chronicles, literary and musical parties, and the Universities ventured forth with Czech language as a language of instruction. Czech professors and associate professors, having taken their habilitations, went on to new clinics. At that time the office of the dean of the Faculty was administered for example by *Edwin Klebs* (1879–1880), the discoverer of the originating infection of diphtheria, typhoid, and other early infections (cf. the eponymous bacterial family), *August Breisky* (1880–1881), gynecologist and meticulous follower of Semmelweis' and Lister's teaching on aseptic, as well as *Karl Toldt* (1881–1882), author of a famous anatomical atlas and founder of the Department of Anatomy.

In 1882 the monarch endorsed the law which divided the Prague University in two parts: Czech and German.

T. G. Masaryk was an influential personality in the development of the Czech University: he became its first professor and his humanitarian and international philosophy wielded immense influence especially over young Czech intelligentsia. Czech textbooks and magazines took off, the famous twenty-seven part 'Otto's Encyclopaedia' was published, Czech schools of science emerged, e.g. Gebauer's Bohemistics, Goll's History, Strouhal's Physics. Let us list a few from a number of founders of the Prague School of Medicine: internists *Eiselt*, *Meixner*, *Thomayer*, *Ladislav Syllaba*, and pathologist *Hlava*.

By the number of its students the Czech University soon three times surpassed the German University, partly also because there were enrolled plenty of students from other Slav nations. The German part of the University was significant for taking a lion's share in extending the system of education into the Middle Europe for generations to come, thus being influential not only for Bohemia and other regions but also for all German-speaking nations in Middle Europe. To select out of all deans of the German Faculty of Medicine at least a few, we ought to mention a couple which will stay forever immortal – the physiologist *Ewald Hering* (1894–1895), and the pathologist *Hans Chiari* (1896–1897). As for other members of the administration in German departments, we should mention its rector *Ernst Mach* (1883–1884). In 1912–1913 *Albert Einstein*, the author of the Theory of Relativity, worked here.

In 1891 several events took place overall having an immense impact on further development of Czech education and culture: the Czech Academy of Sciences and Arts was founded, and a Convention of Progressive Slav Students was held in Prague. The Convention put forward and ratified an agenda, which would deal with the plight of national and democratic rights as well as with social questions. At that time, demonstrations against conservative professors shifted from lecture rooms and auditoria in the street and fomented movements of the youth, which culminated in a violent anti-dynasty demonstration on the ruler's birthday on the 17th August 1893.

In the first two decades of the 20th century, the core of the University work and progress consisted especially in scientific research. We find many prominent Czech scientists and scholars practicing at the University in those years: Professor of Chemistry *B. Brauner*, naturalist *B. Němec*, Professor of Experimental Physics *B. Kučera*. Then there were already enrolled female students at the Prague University (to be exact, since 1897). In 1919 Charles-Ferdinand University was abolished and its Czech part underwent a transformation into Charles University again. An independent German university was founded, and lasted until 1945 when this discrepancy was terminated for good.

Every student of Medicine shall sooner or later encounter termini such as Hering's Channels, Epstein's Symptom, Zaufal's Sign, Weil-Felix's Reaction, Klausner's Test, Biedl's Syndrome, Chiari's Malformace, Kahler's or Pick's Disease, Schlof-Fer's

Tumour, Elschning's Pearls, Breisky and Knaus' Method, Gussenbauer's Clipper, Hasner's Operation, Schauty, Steinach's Operation, will possibly read about Richard von Zeynek's diathermal treatment, etc. The above mentioned are names of professors of German Prague Faculty of Medicine, alma mater to a number of famous students: for instance Hans Hugo Selye, the originator of the Adaptation Syndrome Theory and Stress Reaction, graduated here, as well as Prague natives Gerta Theresa Radnitz and Carl Ferdinand Cori, later husband and wife, winners of the Nobel Prize for Medicine (1947) for their joint discoveries in the sphere of the metabolism of carbohydrates.

The University status changed with the establishment of independent Czechoslovak Republic in 1918. It became the first Czechoslovak university and its students took a significant part in creating the 'atmosphere' of the First Republic. Acrid debates and opinion clashes among the devotees of different movements followed only to be swallowed by the threat of German fascism and subsequently transformed into the resistance to Nazi terror. As to the public response among intelligentsia, it redoubled with the publication of literary and critical essays and lectures by *F. X. Šalda*, and works by controversial professor of music *Z. Nejedlý*. To quote from scientific work, we might mention studies by *Bedřich Hrozný*, who deciphered Chetite writing. Let us mention – from tens and tens of teachers and professors of the University whose esteem and reputation spread abroad – at least the linguist *Roman Jakobson* and historian *Josef Pekař*.

The importance of the Faculty rose again, the number of its clinics increased from fourteen to twenty, and many foreign students were enrolled. Among prominent professors of the Faculty of Medicine between the wars were for instance world-famous physiologist, pioneer in endocrinology, discoverer of Ferritin, author of the theory of stimuli, co-founder of cybernetics and inventor of spaciocardiography *Vilém Laufberger*, ambidextrous internist *Josef Pelnář*, founder of clinical neurology *Kamil Henner*, outstanding surgeon *Arnold Jirásek*, and founder of plastic surgery *František Burian*.

Fascist invasion to Czechoslovakia stirred students to participation in demonstrations on the 28th October 1939. When police tried to stomp down, a student, Jan Opletal, was killed. His burial became yet another anti-fascist manifestation on 15th November 1939. Hitler's nomenclature used it as a pretext to brutally impinge on Czech universities and students. On the 17th November 1939 Prague dormitories were invaded and seized, 1200 Czech students taken to the concentration camp in Sachsenhausen, 9 students, leaders of the movement, were executed on the spot. Czech universities closed down, their buildings being freely available to SS troops, German universities, war industry, and for other purposes. The 17th November did not stay the only brutal revenge of the Nazis, nevertheless, it did remain a symbol of

students' resistance against Fascism. In 1941 it was proclaimed International Students' Day in 1941.

In the war years Czech students and intelligentsia took part in various underground movements and organizations. 23 professors and other university teachers were executed – let us mention at least the professors of physics *František Závíšek* and *Václav Dolejšek*, zoologist *Jaroslav Štorkán*, expert in Slav culture *Josef Páta*, sociologist *Josef Fischer*, and internists *Alexandr Gjuríč* and *Miloš Nedvěd*. To Czech and Slovak nations the Charles University in Prague became a symbol of national culture, by the Nazis inexorably preordained to perish.

Post-war era bore the stamp of reconstruction of the national economy, which had been destroyed and devastated by war. Also the students did their best to aid the devastated economy and clarify political wings and opinions at the University. Increasing number of students showed their interest in university studies.

An outstanding biologist, doctor Jan Bělehrádek was the rector and subsequently pro-rector of the Charles University in 1945 and 1945–1946. After World War II, Josef Čančík became the first dean of the Faculty of Medicine in Prague, the first (vice-deans of the new Faculties of Medicine at Charles University were Ivo Mačela (in Pízen) and Bohuslav Bouček (in Hradec Králové)).

In February 1948, however, all hopes for democracy and free and independent nation were crushed. The sixth birthday of the Charles University sarcastically began a new era of dogma. Marx–Lenin ideology forced a number of professors and teachers out of work, their positions being easily filled by obsequious and obeisant comrades who were to guide the process of education in accordance with the Communist imagination. One of the first to get their marching orders was the current rector, important national economist, Prof. Karel Engliš. The Communist Board of Students marked off thousands of students for expulsion. A common curriculum was introduced once again, including the basics of Marx–Leninist ideology, the only officially approved philosophy. This ensured a sufficient supervision over the entire system of education and universities. Thousands of young people were denied access to regular studies. Dogmatism and rigid censure influenced people's thoughts in a very negative way as well as prevented the free development of education and co-operation with the western world. The cornerstone of social progress was political loyalty, while morality or specialization received a severe cutback in time.

The Higher Education Act of 1950 legally provided for socialist changes in this field, ridding the universities off all their academic liberties. As central planning and management of economy was introduced, a new Academy of Sciences structured in accordance with the Soviet model substituted the old Czech Academy of Science and Arts. 'Aspiratures' and science ranks of Doctor and Candidate of Sciences came in force. An extensive network of nomenclature

and political 'cadres' checked upon the desired development.

In 1953 the original Faculty of Medicine underwent a transformation into three new faculties: the Faculty of General Medicine, the Faculty of Pediatrics, and the Faculty of Hygiene. The first deans of these faculties were respectively: František Blažek, Josef Houštěk, and František Bláha.

In spite of the fact that the official publishing, lecturing, scientific and research activities were grossly restricted, plenty of individuals as well as teams achieved remarkable results. Reluctance to realize the results of their work, disregarding the facts, distorting and intentionally misinterpreting new findings as well as detachment from the international scientific milieu, nevertheless led to a gradual hampering in the process of development not only in the sphere of science but also in the area of education and overall cultural, economic and social life which were soon to lag far behind the western world.

In Vinohrady Hospital and at the Faculty of Hygiene there worked several prominent personalities at this time: the above mentioned Prof. František Burian, an outstanding surgeon Prof. Emerich Polák (Vice-Dean of the Faculty in 1957–1959), from among the internists we should not omit a great cardiologist and endocrinologist Prof. Vratislav Jonáš, and the founder of Czech diabetology and proponent of its good name abroad Prof. Jiří Syllaba. The State Institute of Health employed Prof. Karel Raška, who left no stone unturned to seal the doom of small-pox all round the world.

The events that took place in 1968, now inscribed to history as 'the Prague Spring', when the students also came in for their share, caused the invasion of Warsaw Pact armies into our country, with subsequent expurgations, repressions, and strengthening of the communist dictate. Students' demonstrations took place in the winter of 1968. Today we are left with the painful symbol of human desire for freedom – a student of the Faculty of Arts at Charles University, Jan Palach, burned himself as a protest against the invasion of Warsaw Pact armies into our country, as well as to object against all demagoguery, violence, and totalitarian suppression of freedom all over the world. However, the 'period of normalization' managed to hold in disgrace not only Palach, but any attempts to put forward the principles of democracy and freedom in the country. A similar destiny was doomed for Charter 77, a remarkable act of independent citizens. A series of charges and trials, hand in hand with further expurgations and spying, followed. The years on the turn of the 1970s and 1980s were amongst the darkest times of the communist era since August 1968.

In spite of all attempts on the part of the communist government, the ties that bind Czech nation with the best moral and cultural canon from T. G. Masaryk to Jan Patočka were preserved.

Great damage was inflicted on the Charles University, for the best specialists of outstanding moral and

expert qualities were either forced to retire with no possibility to go on in their work or driven to exile right away.

Autumn 1989: the unbelievable did happen in the end. Independent organized movements from abroad and the bold courage of the students at home helped to bring about major changes and set our country on the road to democracy in a very short time. Prof. Radim Palouš, PhD was elected Rector of the Charles University at this time (free elections of deans and other members of the academic administration along with competitions for heads of individual departments, docents and lecturers took place at the faculties. The arrangement of the University stems from ages-proven tradition and is commensurate to the needs and requirements of individual faculties for autonomy as well as their co-operation and co-ordination. To

remain open and open-minded to foreign countries means to come back to the free, developed modern world.

The Parliamentary elections in June 1992 evidenced the political tendency of the revolutionary November, excepting for a separate vote of the Slovak people which caused the federal country – Czechoslovakia – to fall apart). The Czech Republic was proclaimed on the 1st January 1993. Naturally, this country falls into line of independent Czech statehood from the first rulers of the Přemyslid dynasty where the Czechoslovak period forms no exception. The Charles University, the oldest university in middle Europe, belongs by dint of tradition as well as by the strong hand of its current potential among the most important cultural, scientific and educational institutions in our country.

3rd Faculty of Medicine, Charles University in Prague

<http://www.lf3.cuni.cz>

The activity of the 3rd Faculty of Medicine, Charles University, takes place predominantly in the Faculty Hospital *Královské Vinohrady* in Prague 10 and in the nearby complex of the State Institute of Health.

The 3rd Faculty of Medicine belongs to the tradition of the Charles University from the earliest times, for medicine was one of the four subjects taught ever since it was established in 1348. From academic year 1882/83, the Faculty of Medicine, just as the rest of the University, was divided into two parts – German and Czech. On November 17th, together with all other Czech schools, the Czech part of the University was closed. This temporary halt in Czech education lasted till 1945. Then, along with the whole of German University, the German Faculty of Medicine was abolished. Its property was handed over to the Czech Faculty of Medicine. In 1953 the Ministry of Higher Education divided the Prague Faculty of Medicine into three separate faculties: the Faculty of General Medicine (including stomatology), the Faculty of Pediatrics, and the Faculty of Hygiene (lékařská fakulta hygienická, LFH). The last mentioned one was transformed into the current 3rd Faculty of Medicine in 1990. The fact that a new independent Faculty of Hygiene was created in 1953 brought about some fundamental changes: this Faculty preserved a basic medical focus, although it specialized in the field of hygiene and prevention. On the one hand this specialization enabled to develop all branches of hygiene in our post-war medicine, but on the other it at the same time restricted and limited the scope of students' realization in clinical practice.

The decision to locate the new Faculty into the *Vinohrady Medical Complex* provided favorable conditions for a number of experts who would teach and practice here. Among others we should mention especially:

- Prof. MUDr. F. Burian, the founder of Czech plastic surgery
- Prof. MUDr. E. Polák, an outstanding surgeon
- Prof. MUDr. V. Jonáš, a famous cardiologist
- Prof. MUDr. J. Syllaba, the founder of Czechoslovak diabetology
- Prof. MUDr. J. Šebek, Chairman of the Department of Neurology
- Prof. MUDr. E. Knobloch, Chairman of the Department of Forensic Medicine
- Doc. MUDr. V. Petrář, Head of the Department of Psychiatry
- Prof. MUDr. J. Janků, Chairman of the Department of Ophthalmology

In spite of a rather formalistic and cadre-based instruction of the communist era, since after the 1989 Revolution we were able to carry out all substantial changes in the organization of the Faculty requisite for the realization of the new curriculum and study reforms. The name of the Faculty was changed to the 3rd Faculty of Medicine, Charles University, which underlined its general focus. The election of the dean took place, the Academic Senate was established along with the Scientific Council which enlists many outstanding foreign members. Prof. Cyril Höschl, MD, was elected dean of the Faculty in the first free elections after the revolution in 1989. There were competitions for all the positions of the heads of particular departments, clinics, and other university employees. Individual subjects (including a diverse network of preventive subjects) were integrated and ordered so as to make the overall schedule as close to the general focus of the Faculty as possible.

Plenty of employees from diverse sections of the Ministry of Health and the Academy of Sciences of the Czech Republic are involved in the pedagogic as well as research activities of the Faculty.

In September 1992 a new Faculty building at Ruská street was opened. One may find here, apart from the Dean's office, different theoretical departments, departments of hygiene and preventive subjects, and, last but not least, the Center for Scientific Information, newly established in 1992.

The conditions for study and scientific work has improved with the opening of the newly constructed 6th floor of the main faculty building in May 2000. The Centre of Biomedical Disciplines and Department of Nutrition with its library are based there. There are further laboratories, classrooms and a students' room with 20 computers.

Study visits abroad are becoming an indelible part of instruction at the Faculty. Participation in international scientific and research programs and lectures by foreign specialists enable the Faculty to spread its wings and extend the right hand of mutually beneficial scientific fellowship. This enables to improve the quality of teaching material, to study new methods, procedures, and approaches, thus creating technical conditions indispensable for a higher level of education.

Many outstanding personalities habilitated from the 3rd Faculty of Medicine in the last three years, among the most prominent were: Prof. Zdeněk Neubauer in biology, Doc. Ivan M. Havel in artificial intelligence, and Prof. Luboslav Stárka in endocrinology. At the same time there were several dozens of lectures by well-known foreign specialists took place on the precincts of the Faculty. Let us mention at least the Nobel Prize winner in neurophysiology Prof. J. Eccles, famous specialist in psychiatry Prof. P. Grof, and daseinsanalytic Prof. Condrau. In accordance with the suggestion by the Scientific Council of the 3rd Faculty of Medicine, Sir Karl Raimund Popper (1902–1996), epistemologist, open society proponent, one of the greatest philosophers of the twentieth century, was paid homage by being awarded the honorable degree of *doctor honoris causa* of medicine. The 3rd Faculty of Medicine was a party in awarding a honorary doctorate to one of the discoverers of DNA, Nobel Prize winner, James Watson. Likewise, on the occasion and in the course of last year's celebrations of the 650th anniversary of the foundation of Charles University, we suggested that another Nobel Prize winner, world-wide known neurophysiologist, Professor Huxley from Great Britain, be also awarded a honorary doctorate. It is a matter of habit that all habilitation lectures and foreign lecturers' addresses are videotaped and freely available at the office of the dean of the 3rd Faculty of Medicine.

The 3rd Faculty of Medicine initiated the move to award *honoris causa* Doctor of Medicine titles to the important Munich dermatologist Prof. Gerd Plewig, founder of the UK Kreissl-von Coudenhove Foundation, and to Prof. Robert B. Tattersall from

Nottingham, discoverer of a special diabetes mellitus type called "MODY". In 2000, the Faculty suggested that the director of the National Science Foundation of the United States, Prof. Rita Colwell, be awarded a golden medal of Charles University for her scientific activities in the field of microbiology and her support of Czech researchers.

As part of the huge project called Prague–European City of Culture 2000, anatomy expert MUDr. P. Čech spurred the faculty to place plaques of honor in memory of the Nobel Prize in Medicine winners Mr. and Mrs. Cori to their birthplace houses in Salmovska and Petrska streets in Prague.

The co-operation among individual departments of the University, in particular departments of medicine, is on the increase. The University supports healthy competition in sport activities among faculties, and students also take part in various social and cultural events not only in this country but abroad. The Faculty publishes VITA NOSTRA magazine, reflecting the academic life of the community and representing diverse sides of the Faculty in two functionally distinct issues: VITA NOSTRA REVUE, a quarterly which gathers articles, commentaries, and thoughts, and VITA NOSTRA SERVIS, an information bulletin which comes out on a week basis.

In the academic year 1991–92 the Faculty took on foreign students in General Medicine with the Focus on Prevention. The language of instruction is English. The rights and duties of foreign students are stipulated in the contracts signed between the student and the Dean of the Faculty.

In May 1991 Mrs. Margaret M. Bertrand, Canadian professor of the English language, founded a prize for the best student of the Faculty to be awarded annually at the graduation ceremony.

In the academic year 1992/93 the Faculty opened Bachelor studies in 'Physiotherapy' and 'Medical Science'. A year later a new branch called 'Public Medicare' was introduced.

Since 1996/97 academic year the Faculty has been running according to a new curriculum of Medicine. This curriculum reflects new demands on the doctors of the next millennium.

The instruction and training of the 3rd Faculty of Medicine takes place mainly in the Faculty Hospital Complex Kralovske Vinohrady in Prague 10 and the nearby State Medical Center. Pregraduate and post-graduate students of medicine as well as Bc. students also attend lectures and seminars at the Psychiatric Center in Bulovka Hospital and – from the March 27th, 2001 when a contract on cooperation was concluded with the Homolka Medical Center and the Institut of Mother and Child Care in Prague–Podoli – the instruction also takes place at these two locations.

Faculty Hospital Královské Vinohrady

<http://www.fnkv.cz>

The hospital in Prague 10 Vinohrady was opened separately on the 15th May 1902. After the acquisition of the public law in 1905 its official name was 'General Public Hospital of the Emperor and King František Josef I. for the boroughs of Vinohrady and Žižkov'. The founding charter with the Emperor's signature – by the way the only original signature in which the Emperor used his Czech name František – is still saved in the office of the director of the hospital. When opened, the hospital bedded 103, and later, when the department for infection diseases was built, 328 patients. The entire staff of the hospital at that time included: 2 senior consultants, 1 senior dissector, 4 registrars, 2 external physicians, 12 nurses, 27 maids, 1 manager, 3 clerks, 1 receptionist, 1 engineer, 2 heating mechanics, 1 attendant to the surgeon and the dissector, 1 tailor, 1 bricklayer, 1 supervisor, and 3 workmen.

During World War I, the hospital fell into dire straits financially thanks to its perpetual overflow of patients. This led to its being handed over into public service. Renamed as 'General Public State Health Institution' it became the only state hospital in the Czech Republic, and thus, at the times of the First Republic, could undergo extensive building boom and achieve some indeed pioneer changes. As early as this there existed close ties with the Faculty of Medicine, especially as for the habilitation of professors and docents at the Faculty, and vice versa fresh graduates could apply themselves at hospital work during their first years of practice. Among the experts employed by the hospital then, there were for example: Prof.

MUDr. Ivan Honl, who built the first therapeutic Pasteur Institution in our country, doc. MUDr. Ferdinand Tománek, the founder of the Department of Radium–Therapy, or Prof. MUDr. František Burian, who spread the fame of the Czech plastic surgery abroad in the mid–thirties. World–wide known surgeon Prof. MUDr. Emerich Polák worked in the hospital too, along with the famous ophthalmologist Prof. Josef Janků (M. Jankumi), and the internists Prof. Jiří Syllaba and Prof. Vratislav Jonáš who took their jobs up only after the War.

The post–war era marks the start of pedagogical activity of Vinohrady Hospital. In 1952 it became a faculty hospital, making substantial contribution to the instruction at lately established Faculty of Hygiene.

Clinics and departments at the hospital take responsibility for providing highly specialized aid and treatment to patients who come in particular from the neighboring area: Vinohrady, Žižkov, and Vršovice. In many cases, however, the hospital departments take care of the patients from the whole country, e.g. the Department of Burns, or the Department of Plastic Surgery.

The Faculty Hospital *Královské Vinohrady* has at its disposal a number of state–of–the–art facilities and above all outstanding theoretical and practical experts. Personnel and organization changes should secure more effective and professional services. Many physicians employed by the hospital are actually involved in pedagogic activity.

Bulovka Faculty Hospital

<http://www.fnb.cz>

At the beginning of the twentieth century, Prague noted attempts at reorganization and modernization of general health care. Especially in the districts of Prague, where it was largely neglected, vital hospitals were being founded (Královské Vinohrady Hospital, Bulovka, Bohnice Psychiatric Center). on August 8th 1910, the City Council endorsed the project of a new modern hospital at Bulovka prepared by the city architect L. P. Procházka. Until 1896, there stood a small hospital at this place which operated as an infection center from its geographic inclusion into the city of Prague in 1903. The building of the first part (architect F. Velich) was commenced in 1913 and it was completed when the war flared up. The most needed and essential (in particular at the times of war) was the infection unit which, along with the infection section of Vinohrady Hospital, contributed immensely to the protection of Prague from virulent epidemics brought to the city by the passing armies. Subsequently scheduled building was interrupted by the war.

The whole project by architect Procházka was not taken up again until October 1925. The first phase was finished in the summer of 1931. This stage is closely linked to the name of the internal medicine specialist, Professor Kristián Hynek. Since running requirements were at the top of the agenda, these also determined the building schedule, which included three major departments: Non–Infection (in the internal and surgical section connected by an underground underpass), Infection (in a separate pavilion for everyday purposes detached from the rest of the hospital), and T.B. Section (likewise situated in its own building). The whole building complex also involved three buildings accommodating the staff. Just as was the case in Vinohrady, full–time professors from the Medical Faculty became department heads. (R. Foit, MD, J. Skládal, MD, Prof. Jedlička, etc.)

The second half of the 1930s marked another enlargement of the hospital. New Radiological and Dermatovenerological sections were built, as well as a second Infection pavilion, the construction of which

was concluded in 1940. The magnanimous project of Infection section, whose state-of-the-art concept may be attributed to Professor Jaroslav Procházka, gradually, after World War II, took under its wing the infection departments of all three Faculties.

In 1938, Bulovka berthed 1384 patients, running close to the largest hospital at Karlovo náměstí (1690) and leaving far behind Vinohrady Hospital Center with its 580 maximum.

During World War II, the hospital, like a number of other medical institutions, was taken over by the Germans. Professor Walter Dick headed the Surgery Department and, after an assassination attempt in a bent on a nearby road, operated, with his colleague J. A. Hohlbaum and experts invited over from Berlin, on Reich Protector Reinhard Heydrich.

The State Institute of Health

<http://www.szu.cz>

The State Institute of Health was financed by the Czech Republic and the International Rockefeller Foundation in New York. The institute was unveiled with jubilation in 1925. The founding charter was signed by president T. G. Masaryk.

According to the law No. 218 of the Code the Institution was to execute expert tasks for the State Department of Health, execute investigations necessary for the enforcement of compelling measures, as well as support the education in preventive medicine. Also, the Institution was to provide sera and inoculation liquids, control medication, and furnish bacteriology–diagnostic services. A Department of Hygiene was established within the Institution whose task was to carry out researches in the sphere of the hygiene of nutrition, school, and community hygiene.

Step by step, after 1945 the complex was divided into separate institutions of the Ministry of Health, that became part and parcel of the teaching ground of the Faculty of Hygiene, Charles University. In 1971 all the institutions were united into one science–and–research establishment of the Ministry of Health in the fields of hygiene, epidemiology, and microbiology called the Institute of Hygiene and Epidemiology.

In January 1992 the Minister of Health M. Bojar set up the State Institute of Health again.

The State Institute of Health is a central institution with nation–wide impact instituted in order to:

- preserve and support public health
- prevent the spread of diseases
- survey the influence of environment on the state of health of the population

MUDr. Jaroslav Volf is the director of the Institute.

As to the fundamental activities we may mention in particular:

Gynaecology and Obstetrics, Surgery and nurses' residence were not finished until recent decades. In the 90s, moreover, Bulovka accommodated a modern Pathology Department with a separate Infective Dissection Room.

The status of 'Faculty' was ascribed to the hospital in the 1950s and it functions as a clinical safe haven not only for Prague medical faculties but also for the Institute of Post–Graduate Studies in Medicine. Currently, the 3rd Faculty of Medicine accommodates two most important departments in the Bulovka complex – the Department of Infectious Diseases, and the Department of Pneumology and Chest Surgery (founded on the bases of what was originally the Department of Pulmonary Diseases).

Science–research exertion, educational and edifying endeavor, referential activity (The State Institute of Health unites 47 National Reference Centers, laboratories, and establishments of hygiene, microbiology, and epidemiology), evaluations (a number of laboratories evaluate health risks of various products – from foodstuffs to cosmetics to 'articles of everyday use'), monitoring of the health state of the population vis–a–vis the environment, a nation–wide project of studying the impact of harmful particles on human health. The institute is directed by MUDr. Jaroslav Volf, PhD.

In the sphere of Medicare and disease prevention the Institute attempts to solve currently hottest potatoes, medically speaking, within the scope of the above mentioned as well as other projects:

1. In the field of the prevention of infectious diseases we are concerned with epidemiological studies of serious infections, such as AIDS, tuberculosis, intestinal infections and toxicosis, diverse viral afflictions, in particular hepatitis, surveying the occurrence of new types of infection, going as far as monitoring the resistance to antibiotics.
2. Healthy lifestyle as a prevention of cardiovascular diseases and tumors, including fight against alcoholism, tobacco and drug addiction, are the top priority in the area of community medicine and different subjects of hygiene. What is also important is the contribution made in the sphere of work hygiene and occupational diseases toward the creation of a healthy workplace. The problem of healthy nutrition is solved with regard to its minimal health risks as well as composition desirable for the health of a human being.

The State Institute of Health is a teaching foundation for graduate and postgraduate instruction in a whole

range of preventive subjects at the 3rd Faculty of Medicine, Charles University. The State Institute of

Health is accredited as a center co-operating with the World Health Organization

Psychiatric Center Prague

<http://www.pcp.lf3.cuni.cz>

The Psychiatric Center, which is situated in the precincts of Bohnice Hospital, has been founded in 1961 as the Psychiatric Research Institute. Its first director was MUDr. Lubomír Hanzlíček, DrSc., later professor of psychiatry at the Faculty of Hygiene, author of a unique encyclopaedia of Psychiatry.

In its lifetime, the Institute provided professional background to many interesting and important personalities: Professor Kurt Freund, who made great achievements and contributions in the field of sexual disorders, worked in Toronto, died on the 23rd October 1996; PhDr. Jaroslav Madlafousek, pupil of Prof. K. Freund, who achieved recognition in the sphere of non-verbal communication; PhDr. Michael Žantovský, former ambassador of the Czech Republic to the United States, speaker of the president of the Czech Republic, carried out research in the laboratory of Dr. Madlafousek for many years. Grof brothers also took off here. Paul Grof is now a world famous psychiatrist and professor in Ottawa. His brother Stanislav lives in California today, and is widely recognized as a specialist in transpersonal psychology; prof. Miloš Matoušek, who spent years in Göteborg, Sweden, to become a famous specialist in psychiatric electroencephalography, now again is a member of the staff; Prof. Jan V. Volavka is a prestigious scientist at Nathan S. Kline Institute in Orangeburg, New York State, USA, known especially thanks to his studies on violent behavior; Dr. Frank Engelsmann, foremost expert in psychometrics and methodologist, for a long time operating at McGill University in Montreal; there is also a recently deceased renowned surrealist Luděk Šváb. Also foremost famous psychopharmacologists Doc. J. Baštecký and Doc. O. Vinař were members of our staff. The team of applied mathematics and biomedical engineering, the member of which several years ago was also later Minister of Education Prof. Petr Vopěnka, and many others.

Homolka Medical Center

<http://www.homolka.cz/>

HOMOLKA was opened July 15, 1989, as an elite institution for high-ranking communist officials. Its official name used to be State Institute of National Health ("Sanopz", acronym in Czech) and it more or less stood for an exclusive sanatorium with berth facilities and conservative medical background, in particular in the areas of internal medicine, cardiology and neurology, including an extensive health center with broad rehabilitation amenities.

In 1990 the Center was affiliated to the 3rd Faculty of Medicine, Charles University. The PCP dresses the teaching soil for psychiatry and psychology at this Faculty and takes part in the instruction of neuroscience. The Psychiatric Center is directed by the current Vice-Dean of the Faculty, Prof. MUDr. C. Höschl, DrSc., who was its dean in 1990–1997.

The Center is divided into ten separate laboratories and sections:

- Pathophysiology of the Brain (head: Doc. F. Šťastný)
- Biochemistry (head: RNDr. D. Řířpová)
- Family Research (head: Prof. Z. Dytrych)
- Research Lab for Dependencies (head: Dr. L. Csemy)
- Clinical Psychopharmacology (vacant)
- Psychometrics (head: Prof. J. Kožený)
- Dependency Research Lab (head: PhDr. L. Kubička)
- Psychiatric Demography (head: Dr. E. Dragomirecká)
- PCP Clinical Section (head: MUDr.D. Seifertová)
- EEG Department and Laboratory (head: Prof. Miloš Matoušek)
- Information Department (Ing. M. Prokeš)
- Medical Information Center (head: PhDr. A. Pačková)
- Business Administration (head: J. Víttek)

The Psychiatric Center Prague is accredited as a 'Collaborating Center of the World Health Organization and participates in the publishing of the magazine *Psychiatrie*.

After November 1989, the entire Center was renamed Homolka Medical Center and opened for Czech general public with an eye to practicing two specialized fields of medicine here – the diseases of the heart and veins, and the diseases of the nerve system.

1990 – 1996 had the Center rebuilt and functionally changed while being equipped with requisite technical apparatuses, material, and above all medical experts

– specialists, nurses, technicians and other medical personnel. During this time, the general specifications and specialized profile of the Center was being created. This is today represented by three clinical programs.

Neurologic–Neurosurgical Program offers complex diagnostics, conservative and, above all, surgical treatment to patients with ill, malfunctioning or injured nerve system. It also include the treatment of locomotory functions.

Cardiovascular Program ensures complex diagnostics and conservative treatment of the diseases of cardiovascular system and, in particular, surgical treatment of vascular diseases – primarily the narrowing or clotting of arteries as a result of atherosclerotic changes in organism – including radiological intervention methods.

General Medicare Program incorporates medical care focus on the area of internal medicine and general surgery with some specialized applications in the field of gynecology, orthopaedics and urology.

Services of general focus boast support of a large medical center of over sixty specialized surgeries/offices complemented by a laboratory.

Laboratory complementing the medical center contains radiodiagnostics department, department of nuclear medicine, department of clinical biochemistry, hematology and immunology, department of clinical microbiology, department of pathology and central sterilization and hygiene unit. Since Fall 1999, the Nuclear Medicine Department is complemented by Positron Emission Tomograf (PET), which offers monitoring and evaluation of metabolic activity of the cells of human organism.

Homolka Center hospitalizes 330 patients today (instead of the original capacity of 190), 10 operating theatres (instead of the original 3), employs 1 370 employees – 201 doctors of medicine, and 680 nurses. Annually, it hospitalizes over 14 000, out of which ca. 11 000 are operated, and it offers over 670 000 medical examinations. Average treatment period is 7 days.

Institute of Mother and Child Care in Praha – Podolí

<http://www.upmd.cz>

In 1909 an outstanding Czech surgeon and X-ray specialist Prof. Rudolf Jedlicka made up his mind to lay the foundations of a representative Czech medical center which would provide safe haven for foremost Czech medical experts in nearly all medical fields with perhaps one sole exception of psychiatry. This medical center was modeled on similar state-of-the-art European institutes. The final realization of this project was consigned to Prof. Rud. Krizenecky while Prof. Jedlicka remained behind the whole project as its author and manager. The whole building complex of the medical center under Vysehrad was build in less than four years and was opened for public on June 28th, 1914.

During World War I, a part of the medical center was handed over to the Red Cross and became a temporary military hospital. During World War II, the entire medical center was confiscated and transformed into a war hospital for the SS troops. In the course of Prague uprising in May 1945 the building was damaged by heavy artillery, nonetheless it served as a repatriation hospital for TB suffering inmates liberated from Nazi concentration camps.

The Government Act of December 20th, 1946, the Prague medical center was expropriated and nationalized. The Ministry of Education and Enlightenment, which had appropriated the building, decided that the building be reconstructed and made into a modern clinic which would take care of mother-and-child health. January 23rd, 1948, the same Ministry issued a regulation assigning the building to the 3rd Obstetrics and Gynecology Clinic headed by Prof. Jiří Trapl and the Clinic of Nursing, founded by

Prof. Josef Švejcar and Prof. Jiří Blecha with the management being presided by doc. Kamil Kubát.

As if by placing the two clinics under one roof (which was inspired by their common goals and fields of interest) a new development was foregrounded – the development characterized by a new attitude to the mother-and-child care. The Nursing Clinic was to focus on the basics of child caretaking and nursing. Here, the first steps were taken towards greater cooperation between the paediatrician and the labor surgeon in neonatal period. It was also here that the demand was made to extend this cooperation on to prenatal period in the organizational, clinical and research areas.

Nonetheless, the institute did not suffice, because questions of grave import with national magnitude and consequence – not only optimal reproduction of the population but also the quality of population – had to be solved in a complex, systematic and planned manner, with perspective and on solid scientific ground. March 1st 1951, the current university clinics stopped being a part of the State Faculty Hospital and became a resort institute of Ministry of Health headquartered in Prague–Podolí, an organization under direct supervision of the Ministry of Health.

Currently, the Institute of Mother and Child Care (ÚPMD) belongs to the four largest obstetrics clinics in the Czech Republic with over 2500 births a year. ÚPMD is one of the 12 perinatalogical centers created by the Ministry of Health with an eye to concentrate women with serious pathological states in pregnancy, including untimely births. Although ÚPMD gives birth to three times more high-risk babies under 1000 g

compared to other clinics in the Czech Republic, the perinatal death rate has been lower than the national average for the past five years. Since 1988, ÚPDM

has been cooperating with the World Health Organization for Perinatology.

Central Military Hospital in Prague

<http://www.uvn.cz>

The Central Military Hospital is a top-ranking health care institution of the Army of the Czech Republic that provides health care in a number of specialized medical departments and disciplines not only for active soldiers but civilians as well.

The main objective is to assure highly qualified health care in most of the medical fields and at the same time to provide a friendly and safe environment for hospitalized patients, outpatients and other people visiting the hospital.

The hospital has 640 beds in 40 specialized departments. It cares for only adults which is special characteristics developed historically. Exceptions are made case by case that require specialized treatment

at departments of neurosurgery, ENT, and ophthalmology.

The hospital gives priority to emergency medical treatment. In surgery, for example, it would be for the treatment of trauma and polytrauma. In 1998 the hospital was granted status of The Center of Traumatology by the Ministry of Health. The discipline, which traditionally reaches the highest level in the country, is neurosurgery.

Among internal disciplines, the outstanding position belongs to urgent cardiology including invasive methods. Another prioritized field comprises endoscopy especially within gastroenterology.

Institute of Endocrinology

<http://www.endo.cz>

The Institute of Endocrinology provides comprehensive care and consultant services in the field of endocrinology, diabetology, and obesitology and related clinical disciplines for patients from the whole country.

The institute comprises 5 clinical departments, 2 independent laboratories, and organization and engineering departments.

The institute provides, apart from other things, screening of iodine and selenium deficit in the whole republic. Research is focused on main questions in. physiology and pathophysiology of

hormones and their controlling mechanisms. It includes areas from molecular endocrinology, genetics, immunoendocrinology, steroids and proteins endocrinology, obesitology, diabetology and osteology. Attention is also paid to development and application of new methods including dynamic functional tests. The institute has at its disposal extensive laboratory facilities covering apart from routine hormone tests number of methods and procedures that are not performed in any other institute within the Czech Republic.

**DEPARTMENTS, CLINICS,
CENTERS AND OTHER
AFFILIATED WORKPLACES
OF 3RD FACULTY OF MEDICINE**

List Departments, Centers, Clinics at 3RD Faculty of Medicine:

DEPARTMENTS

- DPT. OF ANATOMY
- DPT. OF BIOCHEMISTRY AND PATHOBIOCHEMISTRY
- DPT. OF FOREIGN LANGUAGES
- DPT. OF FORENSIC MEDICINE
- DPT OF MEDICAL BIOPHYSICS AND INFORMATICS
- DPT. OF MEDICAL ETHICS AND NURSING
- DPT. OF MICROBIOLOGY
- DPT. OF NORMAL, PATHOLOGICAL AND CLINICAL PHYSIOLOGY
- DPT. OF PATHOLOGY
- DPT. OF PHARMACOLOGY
- DPT. OF PHYSICAL EDUCATION

CENTER OF BIOMEDICAL SCIENCES

- DIVISION OF CELL AND MOLECULAR BIOLOGY
- DIVISION OF CELL AND MOLECULAR IMMUNOLOGY
- DIVISION OF GENERAL BIOLOGY AND GENETICS
- DIVISION OF HISTOLOGY AND EMBRYOLOGY
- DIVISION OF MEDICAL CHEMISTRY AND BIOCHEMISTRY OF CELL TERATOLOGICAL INFORMATION SERVICE

CENTER OF PREVENTIVE MEDICINE

- DIVISION OF EPIDEMIOLOGY
- DIVISION OF GENERAL HYGIENE
- DIVISION OF THE HEALTH OF CHILDREN AND YOUTH
- DIVISION OF NUTRITION
- DIVISION OF OCCUPATIONAL MEDICINE
 - Division of Travel Medicine
- DIVISION OF PRIMARY CARE – FAMILY MEDICINE
- DIVISION OF SPORT MEDICINE

PSYCHIATRIC CENTER PRAGUE

- PSYCHIATRY CLINICS
- DIVISION OF MEDICAL PSYCHOLOGY

DEPARTMENT OF SURGICAL SUBJECTS

- CLINICAL DPT. OF ANESTHESIOLOGY AND RESUSCITATION
- CLINICAL DPT. OF BURNS MEDICINE
- CLINICAL DPT. OF PLASTIC SURGERY
- CLINICAL DPT. OF SURGERY
- CLINICAL DPT. OF UROLOGY
- CLINICAL ORTHOPEDICS – TRAUMATOLOGICAL DPT.
- CLINICAL DPT. OF NEUROSURGERY
- CLINICAL DPT. OF CARDIOSURGERY
- CLINICAL DPT. OF CHILDREN'S SURGERY AND TRAUMATOLOGY

DEPARTMENT OF INTERNAL MEDICAL SUBJECTS

- 1ST CLINICAL DPT. OF INTERNAL MEDICINE
- 2ND CLINICAL DPT. OF INTERNAL MEDICINE
- 3RD CLINICAL DPT. OF INTERNAL MEDICINE – CARDIOLOGY
- CLINICAL DPT. OF PNEUMOLOGY AND THORACIC SURGERY
- CLINICAL DPT. OF INFECTIOUS DISEASES
- DPT. OF CLINICAL HEMATOLOGY OF THE FACULTY HOSPITAL

AFFILIATED WORKPLACES:

- DPT. OF INTERNAL MEDICINE
- AT HOMOLKA MEDICAL CENTER
- DPT. OF CARDIOLOGY AT HOMOLKA MEDICAL CENTER

DEPARTMENT OF GYNAECOLOGY AND OBSTETRICS

- CLINICAL DPT. OF GYNAECOLOGY AND OBSTETRICS

AFFILIATED WORKPLACE:

- INSTITUTE OF MOTHER AND CHILD CARE IN PRAGUE PODOLI

CLINICAL DEPARTMENTS

- DPT. OF DERMATOVENEROLOGY
- DPT. OF CHILDREN AND ADOLESCENTS
- DPT. OF NEUROLOGY
- DPT. OF NUCLEAR MEDICINE
- DPT. OF OPHTHALMOLOGY
- DPT. OF OTORHINOLARYNGOLOGY
- DPT. OF RADIOLOGY
- DPT. OF RADIOTHERAPY AND ONCOLOGY
- DPT. OF STOMATOLOGY
- DPT. OF PHYSIOTHERAPY

DEPARTMENTS

• DEPARTMENT OF ANATOMY

100 00 Praha 10, Ruská 87, tel.: 267 102 508, fax: 267 102 504

Head of Department:

Prof. MUDr. Josef Stingl, CSc. – ext. 494 josef.stingl@lf3.cuni.cz

Administrative Secretary:

Ivanka Žížalová – ext. 508 ivanka.zizalova@lf3.cuni.cz

Senior Lecturers:

MUDr. Václav Báča - ext. 560 vaclav.baca@post.lf3.cuni.cz

MUDr. Pavel Čech - ext. 509 pavel.cech@lf3.cuni.cz

MUDr. Alena Doubková, CSc. - ext. 510 alena.doubkova@lf3.cuni.cz

MUDr. David Kachlík - ext. 560 david.kachlik@lf3.cuni.cz

RNDr. Jitka Riedlová - ext. 511 jitka.riedlova@lf3.cuni.cz

MUDr. Petr Zach - ext. 581 petr.zach@lf3.cuni.cz

• DEPARTMENT OF BIOCHEMISTRY AND PATHOBIOCHEMISTRY

100 34 Praha 10, Šrobárova 50, tel.: 267162 780, fax: 267 312 967

Head of Department:

Doc. MUDr. Petr Čechák, CSc. – ext. 2780 (2818) cechak@fnkv.cz

Administrative Secretary:

Jana Sobotková - VPP, ext. 2780 biosec@fnkv.cz

Associate Professor:

Ing. Olga Nováková, CSc. - ext. 2783

Senior Lecturers:

MUDr. Karel Hátle, CSc. - VPP, ext. 2780, 323 632 521 kaha.hatle@volny.cz

RNDr. Helena Kopřivová - VPP, ext. 2824 kopriv@fnkv.cz

MUDr. Hana Nováková - VPP, ext. 2781 novakova@fnkv.cz

Ing. Jan Panoš - VPP, ext. 2789 janpanos@asmnet.cz

MUDr. Andrea Pavlíková - VPP, ext. 2788 pavlikova@fnkv.cz

RNDr. Blanka Rypáčková - VPP, ext. 2788 rypackova@fnkv.cz

MUDr. Elena Šilhová - VPP, maternity leave

MUDr. Dagmar Vogtová - VPP, ext. 2788 biochlab@fnkv.cz

MUDr. Veronika Zemanová - ext. 2783 zemanova@fnkv.cz

Visiting Lecturers:

Prof. Dr. Dolphe Kutter

• DEPARTMENT OF FOREIGN LANGUAGES

100 00 Praha 10, Ruská 87, tel.: 267 102 218, 267 102 482, 267 102 258

Head of Department:

Doc. PhDr. Jana Přívratská, CSc. - ext. 482, 218 jana.privratska@lf3.cuni.cz

Administrative Secretary:

Ing. Miroslava Prokopičová - ext. 218 mirka.prokopicova@lf3.cuni.cz

Senior Lecturers:

Mgr. Iveta Čermáková

Mgr. Kristina Čermáková - ext. 218

MUDr. Dominika Grundová - ext. 258 dominika.grundova@lf3.cuni.cz

MUDr. Eva Lahodová - ext. 258 eva.lahodova@lf3.cuni.cz

Mgr. Marcela Riglová - ext. 258

Mgr. Anna Veselá - ext. 258

• DEPARTMENT OF FORENSIC MEDICINE

100 34 Praha 10, Šrobárova 50, tel.: Head 267162 535, 272 743 836, Admin.Secr. 267 162 505, fax: 267 162 505

Head of Department:

MUDr. Jiří Hladík - VPP, ext. 2623 hladik@fnkv.cz

Professor:

MUDr. Jiří Štefan, DrSc. - ext. 2535 stefan@fnkv.cz

Administrative Secretary:

Ludmila Filipcová - ext. 2505

Senior Lecturer:

MVDr. MUDr. Tomáš Adámek - ext. 3571 adamek@fnkv.cz

Research Fellows:

RNDr. Jiří Fišer, CSc. - ext. 2513

• DEPARTMENT OF MEDICAL BIOPHYSICS AND INFORMATICS

100 00 Praha 10, Ruská 87, tel.: 267 102 303–5, 672 102 627, fax: 267 102 360

<http://www.lf3.cuni.cz/biofyzika/>

Head of Department:

Doc. MUDr. Jozef Rosina - ext. 305 jozef.rosina@lf3.cuni.cz

Administrative Secretary:

Květoslava Lorencová - ext. 334

Professor Emeritus:

MUDr. Vlastimil Slouka, CSc. - ext. 305 vlastimil.slouka@lf3.cuni.cz

Senior Lecturers:

MUDr. Tomáš Kostrhun - ext. 627 tomas.kostrhun@lf3.cuni.cz

MUDr. Dana Mrskočová - ext. 304 dana.mrskocova@lf3.cuni.cz

MUDr. Marek Průcha - ext. 304 prucha@lf3.cuni.cz

MUDr. Miroslav Starec, CSc. - ext. 304

Ing. Daniel Šuta, PhD. - ext. 304, 627 daniel.suta@lf3.cuni.cz

MUDr. Jana Šutová - ext. 304 jana.hrmova@lf3.cuni.cz

Assistant:

Václav Daněček - ext. 303 vaclav.danecek@lf3.cuni.cz

Lenka Saláková - ext. 303 lenka.salakova@lf3.cuni.cz

• DEPARTMENT OF MEDICAL ETHICS AND NURSING

100 00 Praha 10, Ruská 87, tel.: 267 102 437

Head of Department:

Doc. MUDr. Jiří Šimek, CSc. - ext. 436 jiri.simek@lf3.cuni.cz

Administrative Secretary:

Irena Machuldová - ext. 437

Senior Lecturers:

PhDr. Radomila Drozdová - ext. 424 radomila.drozdova@post.lf3.cuni.cz

Mgr. Jana Holubová - ext. 424

Bc. Jana Chlumecká, - ext. 424

PhDr. Hana Janečková - tel.: 2710 19 282 janeckova@ipvz.cz

PhDr. Eva Křížová - ext. 438 eva.krizova@lf3.cuni.cz

PhDr. Miroslava Kolínová - ext. 424

PhDr. Marie Messanyová - ext. 424

Mgr. Hana Svobodová - ext. 424

PhDr. Vladimír Špalek - ext. 438

MUDr. Tamara Tošnerová - ext. 437, 3154

Mgr. Monika Trčková - ext. 424 – maternity leave, monika.trckova@lf3.cuni.cz

Mgr. Lenka Zamykalová - ext. 424

PhDr. Marie Zvoníčková - ext. 424 - maternity leave, marie.zvonickova@lf3.cuni.cz

• DEPARTMENT OF MICROBIOLOGY

100 34 Praha 10, Šrobárova 50, tel.: 267 162 580 Head, 267162 531 Agency, fax: 267 163 407, 267162 516

Head of Department:

Doc. MUDr. Marek Bednář, CSc. - ext. 2580 bednarm@cbox.cz

Administrative Secretary:

Eva Adamová - ext. 2531 microsec@fnkv.cz

Professor:

MUDr. Jiří Schindler, DrSc. - ext. 3559 schind@cesnet.cz

Senior Lecturers:

MUDr. Václava Adámková - ext. 3560 v.adamkova@iol.cz

MUDr. Eva Bendová, CSc. - ext. 2532 bendova@fnkv.cz

RNDr. Libuše Kolářová - libuse.kolarova@ipvz.cz

Mgr. Pavlína Kouřilová - ext. 3560 pkourilova@hotmail.com

RNDr. Eva Stránská - ext. 2533 stran@atlas.cz

RNDr. Pavla Urbášková, CSc. - tel.: 26708 2280 purbaskova@szu.cz

MUDr. Jaroslava Vránková - ext. 3537 vrankova@fnkv.cz

• DEPARTMENT OF NORMAL, PATHOLOGICAL AND CLINICAL PHYSIOLOGY

120 00 Praha 2, Ke Karlovu 4, tel.: 224 923 241, 224 916 896, fax: 224 923 827.

Department of Pathological Physiology also tel./fax: 224 910 403.

www: <http://physio.lf3.cuni.cz>

Head of Department:

Prof. MUDr. Richard Rokyta, DrSc. - tel. 224 923 827 richard.rokyta@lf3.cuni.cz

Deputy Head of Department:

Doc. MUDr. Jan Mareš, CSc. jan.mares@lf3.cuni.cz

Administrative Secretary:

Alena Brejšková brejskov@lf3.cuni.cz

Miroslava Šplíchalová msplich@lf3.cuni.cz

Associate Professors:

PhDr. Andrej Stančák, CSc. stancak@lf3.cuni.cz

RNDr. Anna Yamamotová, CSc. yamamoto@lf3.cuni.cz

Senior Lecturers:

MUDr. Klára Bernášková, CSc. kbernas@lf3.cuni.cz

MUDr. Ludmila Brunerová brunerova@seznam.cz

MUDr. Miroslav Franěk, PhD. franek@lf3.cuni.cz

Ing. Jana Jurčovičová, CSc. Jurcovic@lf3.cuni.cz

MUDr. Iveta Matějovská, CSc. matejov@lf3.cuni.cz

MUDr. Tomáš Paul tomas.paul@centrum.cz

MUDr. Marie Pometlová, CSc. mpomet@lf3.cuni.cz

MUDr. Romana Šlamberová, PhD. rslamber@lf3.cuni.cz

MVDr. Šimon Vaculín svaculin@lf3.cuni.cz

Visiting Professor:

Prof. Stanislav Reiniš, M.D., PhD.

Prof. Dr. Med. Franz Schimek, DrSc.

• DEPARTMENT OF PATHOLOGY

100 34 Praha 10, Šrobárova 50, tel.: 6716 2510 Head, 6716 2500 Agency

Head of Department:

Prof. MUDr. Václav Mandys, CSc. mandys@fnkv.cz

Administrative Secretary:

Drahomíra Rychlá patsec@fnkv.cz

Associate Professor:

MUDr. Vlasta Rychterová, CSc. vlasta.rychterova@lf3.cuni.cz

Senior Lecturers:

MUDr. Milan Dušek dusek@fnkv.cz
MUDr. Lidmila Koldová koldova@fnkv.cz
MUDr. Vojtěch Kubálek, CSc.
MUDr. Jana Náprstková, CSc.
MUDr. Bohuslav Sosna sosna@fnkv.cz
MUDr. Josef Šach sach@fnkv.cz
MUDr. Alexandr Švec svec@fnkv.cz
MUDr. Zuzana Velenská velenska@fnkv.cz
MUDr. Zdeňka Vernerová, CSc. vernerova@fnkv.cz

• DEPARTMENT OF PHARMACOLOGY

100 00 Praha 10, Ruská 87, tel.: 267 102 404, 267 102 405

Head of Department:

Prof. MUDr. Miloslav Kršiak, DrSc. - ext. 405, 487 miloslav.krsiak@lf3.cuni.cz

Administrative Secretary:

Radka Mieslerová – ext. 404, 405 radka.mieslerova@lf3.cuni.cz

Senior Lecturers:

MUDr. Tomáš Doležal - ext. 450 tomas.dolezal@lf3.cuni.cz
PharmDr. Magdaléna Šustková (Fišerová), CSc. - ext. 402 magdalena.fiserova@lf3.cuni.cz
MUDr. Olga Kroftová, PhD. olga.kroftova@abbott.com
MUDr. Jitka Patočková, PhD. - ext. 402 jitka.patockova@lf3.cuni.cz
MUDr. Martin Votava, PhD. - ext. 450 martin.votava@lf3.cuni.cz

Assistant:

RNDr. Emanuel Žďárský, CSc. - ext. 448 emanuel.zdarsky@lf3.cuni.cz

• DEPARTMENT OF PHYSICAL EDUCATION

102 00 Praha 10, Bruslařská 10, tel./fax: 2786 30 14, tel.: 2720 82 500, e– mail: UTV@post.lf3.cuni.cz

Head of Department:

prom. těl. pedag. Bohuslav Příhoda, CSc. - tel.: 272 082 501 prihoda@cesnet.cz

Administrative Secretary:

Hana Hiršalová, tel.: 272 082 500 hana.hirsalova@post.lf3.cuni.cz

Department Representative for 3rd Fac. of Medicine:

PaedDr. Bohumil Hněvkovský, tel.: 272 082 502 bohumil.hnevkovsky@post.lf3.cuni.cz

Senior Lecturers, Department on 3rd Faculty of Medicine

PaedDr. Bohumil Hněvkovský, tel.: 272 082 502
Mgr. Petr Horn, tel.: 272 082 506 petr.horn@post.lf3.cuni.cz
PaedDr. Hana Milerová, , tel.: 272 082 503 hana.milerova@post.lf3.cuni.cz
Mgr. Jitka Petříčková, tel.: 272 082 505 jitka.petrickova@post.lf3.cuni.cz
PaedDr. Květoslava Skálová, tel.: 272 082 505 kvetoslava.skalova@post.lf3.cuni.cz
Mgr. Přemysl Žák, tel.: 272 082 506 premysl.zak@post.lf3.cuni.cz

Senior Lecturers, Department on 2nd Faculty of Medicine

PaedDr. Miroslav Berka, tel.: 272 082 506 miroslav.berka@post.lf3.cuni.cz
Mgr. Martin Kašpar, tel.: 272 082 506 martin.kaspar@post.lf3.cuni.cz
PaedDr. Jiří Polášek, tel.: 272 082 502 jiri.polasek@post.lf3.cuni.cz
PhDr. Věra Svobodová, CSc., tel.: 272 082 504 vera.svobodova@post.lf3.cuni.cz
PaedDr. Ivana Vladyková, tel.: 272 082 503 ivana.vladykova@post.lf3.cuni.cz

CENTERS AND DEPARTMENTS

CENTER OF BIOMEDICAL SCIENCES

100 00 Praha 10, Ruská 87, tel.: 267 102 491, fax: 67 102 464

Head of Center:

Doc. RNDr. Ivo Bárta, CSc. - ext. 491 ivo.barta@lf3.cuni.cz

Administrative Secretary:

Jiřina Jalovecká jirina.jalovecka@lf3.cuni.cz

• DIVISION OF CELL AND MOLECULAR BIOLOGY

100 00 Praha 10, Ruská 87, tel.: 267102 657, tel/fax.: 267 102 650

Head of Division:

Doc. RNDr. Jan Kovář, DrSc. - tel. 658 jan.kovar@lf3.cuni.cz

Administrative Secretary:

Miroslava Zaoralová – ext 657, 650 miroslava.zaoralova@post.lf3.cuni.cz

Senior Lecturers:

MUDr. Marie Černá, CSc. - ext. 667 marie.cerna@post.lf3.cuni.cz

MUDr. Markéta Čimburová - ext. 657, 650 marketa.cimburova@post.lf3.cuni.cz

MUDr. Jan Hajer, PhD. - ext. 666, 2719 jan.hajer@post.lf3.cuni.cz

RNDr. Ivana Půtová - ext. 657, 650 ivana.putova@post.lf3.cuni.cz

Laboratory:

Anežka Koubová - ext. 666 anezka.koubova@post.lf3.cuni.cz

Dagmar Rosenauerová - ext. 657, 650 dagmar.rosenauerova@post.lf3.cuni.cz

Ivana Špoljaričová - ext. 666 ivana.spoljaricova@post.lf3.cuni.cz

Jana Visingerová - ext. 650, 657

• DIVISION OF CELL AND MOLECULAR IMMUNOLOGY

100 00 Praha 10, Ruská 87, tel.: 267 102 439, 267 102 440, fax: 267 102 161

Head of Division:

MUDr. Petr Kučera - ext. 493, tel. 267 162 680 (2257) kucera@fnkv.cz

Administrative Secretary:

Eva Wolfová – ext. 440 eva.wolfova@lf3.cuni.cz

Senior Lecturers:

MUDr. Milada Cvačková - cvackova@fnkv.cz

MUDr. Martina Heroldová - heroldo@fnkv.cz

RNDr. Marie Lipoldová, CSc. -

RNDr. Dana Nováková - ext. 502 dana.novakova@lf3.cuni.cz

MUDr. Jindřich Madar, CSc. - madar@mail.upmd.cz

RNDr. Petr Stockbauer, CSc. - petr.stockbauer@uhkt.cz

• DIVISION OF GENERAL BIOLOGY AND GENETICS

100 00 Praha 10, Ruská 87, tel.: 267102 491, fax: 267102 464

Head of Division:

Doc. RNDr. Ivo Bárta, CSc. – ext. 491 ivo.barta@lf3.cuni.cz

Administrative Secretary:

Jiřina Jalovecká jirina.jalovecka@lf3.cuni.cz

Associate Professor:

RNDr. Pavel Rödl, CSc. – ext. 429 prodl@szu.cz

Senior Lecturers:

MUDr. Miloslav Kadlec - ext. 492

MUDr. Martina Langová - ext. 492 martina.langova@lf3.cuni.cz

RNDr. Zdeňka Polívková - ext. 492 zdenka.polivkova@post.lf3.cuni.cz

MUDr. David Stejskal - ext. 429

Mgr. Petr Šmerák - ext. 429 petr.smerak@lf3.cuni.cz

MUDr. Rudolf Štětina, CSc. - ext. 431

External:

MUDr. Pavel Vodička, CSc. - tel.: 241 062 694 vodicka@biomed.cas.cz

• **DIVISION OF HISTOLOGY AND EMBRYOLOGY**

100 00 Praha 10, Ruská 87, tel.: 267 102 310, fax: 267 102 311

Head of Division:

Prof. MUDr. Richard Jelínek, DrSc. – ext. 310 richard.jelinek@lf3.cuni.cz

Administrative Secretary:

Ivanka Jelínková – ext. 310 ivana.jelinkova@lf3.cuni.cz

Senior Lecturers:

MUDr. Lucie Heringová, PhD. – ext. 521 lucie.heringova@lf3.cuni.cz

MUDr. Eva Maňáková – ext. 311 eva.manak@post.cz

MUDr. Alexandra Seichertová, CSc. – ext. 520

MUDr. Milan Titlbach, DrSc.

Lecturers:

Jakub Folvarčný

Štěpán Jelínek

Lenka Krejčí

Klára Matoušková

Vlasta Řitschelová

Martin Špaček

Renata Václavá

Laboratory:

Jitka Pechová – ext. 322

• **DIVISION OF MEDICAL CHEMISTRY AND BIOCHEMISTRY**

100 00 Praha 10, Ruská 87, tel.: 267 102 407

Head of Division:

Doc. RNDr. Eva Samcová, CSc. – ext. 407 eva.samcova@lf3.cuni.cz

Senior Lecturers:

MUDr. František Duška - ext. 410 fduska@yahoo.com

Mgr. Vladimíra Kvasnicová - ext. 411 vladimira.kvasnicova@lf3.cuni.cz

ing. Hana Logerová - ext. 617 hana.logerova@lf3.cuni.cz

Mgr. ing. Petr Tůma, PhD. - ext. 585

Asistant:

Jan Trnka. - ext. 410 jantrnka@hotmail.com

Laboratory:

Dana Bindzarová - ext. 615 dana.bindzarova@lf3.cuni.cz

Irena Klímová - ext. 409 irena.klimova@lf3.cuni.cz

Lenka Sukdoláková - ext. 409 lenka.sukdolakova@lf3.cuni.cz

Lecturers:

Petr Cabáňík – ext. 410

Zuzana Ghanwiová – ext. 410

• **TERATOLOGICAL INFORMATION SERVICE**

Common for histology, embryology, center for biomedical studies, and gynaecology and obstetrics department

100 00 Praha 10, Ruská 87, tel.: 267 102 310, fax: 267 102 311

Head:

Prof. MUDr. Richard Jelínek, DrSc.

Administrative Secretary:

Ivanka Jelínková

Personnel:

MUDr. Lucie Heringová, PhD.

MUDr. Eva Maňáková

CENTER OF PREVENTIVE MEDICINE

100 00 Praha 10, Ruská 87, tel.: 267 102 334

Head of Center:

Prof. MUDr. Kamil Provazník, CSc. - ext. 264 kamil.provaznik@lf3.cuni.cz

Administrative Secretary:

Květoslava Lorencová - ext. 334 kvetoslava.lorencova@lf3.cuni.cz

Professor:

MUDr. Miroslav Cikrt, DrSc. - tel. 267 311 467

Senior Lecturers:

Mgr. Viktor Hynčica - tel.: 267 082 768

RNDr. Bohumír Procházka, CSc. - tel.: 267 082 353

Visiting Teacher:

MUDr. Karel Křížkava, CSc.

MUDr. Zdeněk Šmerhovský

MUDr. Alena Šteflová

• **DIVISION OF EPIDEMIOLOGY**

100 00 Praha 10, Ruská 87, tel.: 267 102 338

Head of Division:

MUDr. Alexander Martin Čelko, CSc. – ext. 485 martin.celko@lf3.cuni.cz

Administrative Secretary:

Kateřina Maternová – ext. 338 katerina.maternova@lf3.cuni.cz

Associate Professor:

MUDr. Daniela Janovská, CSc. – ext. 337 daniela.janovska@lf3.cuni.cz

MUDr. Bohumír Kříž, CSc. – ext. 336 bohumir.kriz@lf3.cuni.cz

Senior Lecturers:

MUDr. Jana Dáňová – ext. 336 jana.danova@lf3.cuni.cz

MUDr. Marina Maixnerová, CSc. – ext. 338

• **DIVISION OF GENERAL HYGIENE**

100 00 Praha 10, Ruská 87, tel.: 267 102 204

Head of Division:

Prof. MUDr. Milena Černá, DrSc. - ext. 204 milena.cerna@lf3.cuni.cz

Administrative Secretary:

Jana Kočová – ext. 202

Senior Lecturers:

MUDr. Jiřina Bártová, CSc. - ext. 203 jirina.bartova@lf3.cuni.cz

MUDr. Jaroslav Baumruk - tel.: 267 082 651 jbaum@szu.cz

• **DIVISION OF THE HEALTH OF CHILDREN AND YOUTH**

100 34 Praha 10, Ruská 87, tel.: 267 102 334, 267 102 486

Head of Division:

Doc. MUDr. Hana Provazníková, CSc. - ext. 333 hana.provaznikova@lf3.cuni.cz

Administrative Secretary:

Květoslava Lorencová - ext. 334 kvetoslava.lorencova@lf3.cuni.cz

Associate Professor:

MUDr. Lumír Komárek, CSc. komarek@szu.cz

Senior Lecturers:

MUDr. Dagmar Schneidrová, CSc. - ext. 340 dagmar.schneidrova@lf3.cuni.cz

MUDr. Eva Vaníčková, CSc. - ext. 332 eva.vanickova@lf3.cuni.cz

• **DIVISION OF NUTRITION**

100 00 Praha 10, Ruská 87, tel.: 267 102 620, fax: 267 102 618

Head of Division:

Prof. MUDr. Michal Anděl, CSc. - ext. 619 andel@fnkv.cz

Administrative Secretary:

Michaela Hromadová - ext. 620 michaela.hromadova@lf3.cuni.cz

Associate Professors:

MUDr. Lubomír Kužela, DrSc. - ext. 623

MUDr. Miroslav Stránský - ext. 623

Senior Lecturers:

MUDr. Pavel Dlouhý - ext. 621 pavel.dlouhy@lf3.cuni.cz

Ing. Ctibor Perlín, CSc. -

MUDr. Jolana Rambousková, CSc. - ext. 622 jolana.rambouskova@lf3.cuni.cz

Assistants:

Vladimíra Šmejkalová

Marta Zezuláková

- **DIVISION OF OCCUPATIONAL MEDICINE**

100 34 Praha 10, Šrobárova 50, tel.: 26716 2690, fax: 26716 2679

Head of Clinic:

Doc. MUDr. Evžen Hrnčíř, CSc. – ext. 2810 hrncir@fnkv.cz

Administrative Secretary:

Dana Nejedlá – ext. 2690 nejedla@fnkv.cz

Associate Professor:

MUDr. Monika Kneidlová, CSc. – ext. 2679 kneidlova@fnkv.cz

Senior Lecturers:

Mgr. Zdena Čábelková – tel.: 26708 2714

DIVISION OF TRAVEL MEDICINE:

MUDr. Jana Kožnerová - ext. 2682 koznero@fnkv.cz

- **DIVISION OF PRIMARY CARE – FAMILY MEDICINE**

100 00 Praha 10, Ruská 87, tel.: 267 102 324

Head of Division: MUDr. Helena Hovorová tel.: 267 910 944

- **DIVISION OF SPORT MEDICINE**

100 00 Praha 10, Ruská 87, tel.: 267 102 210

Head of Division:

MUDr. Vladimír Štich – ext. 209 vladimir.stich@lf3.cuni.cz

Administrative Secretary:

Zuzana Pařízková – ext. 210 zuzana.parizkova@lf3.cuni.cz

Senior Lecturer:

MUDr. Jindřiška Hejnová – ext. 211 jindra.hejnova@lf3.cuni.cz

PSYCHIATRIC CENTER PRAGUE

- **PSYCHIATRY CLINICS**

181 03 Praha 8, Ústavní 91, tel.: 266 003 111, Administrative Secretary, 266 003 131, fax: 26600 3134

<http://www.pcp.lf3.cuni.cz>

Director:

Prof. MUDr. Cyril Höschl, DrSc., FRCPsych. hoschl@pcp.lf3.cuni.cz

Administrative Secretary:

Libuše Cucová cucova@pcp.lf3.cuni.cz

Hana Jarošová jarosova@pcp.lf3.cuni.cz

Professors:

MUDr. Miloš Matoušek

Associated Professor:

MUDr. František Šťastný, CSc.

Senior Lecturers:

MUDr. Martin Bareš

MUDr. Tomáš Hájek, PhD.

MUDr. Jiří Horáček, PhD. horacek@pcp.lf3.cuni.cz

MUDr. Jiřina Kosová

MUDr. František Koukolík, DrSc.

MUDr. Michal Maršálek, CSc.

MUDr. Pavel Mohr, PhD.

MUDr. Lucie Motlová

MUDr. Beáta Pašková

MUDr. Ján Praško-Pavlov, CSc.

MUDr. Dagmar Seifertová, CSc.

MUDr. Filip Španiel

• DIVISION OF MEDICAL PSYCHOLOGY

181 03 Praha 8, Ústavní 91, tel.: 266003 170 Head, tel.: 266003 171 Administrative Secretary

100 00 Praha 10, Ruská 87, tel.: 267 102 561, 267 102 562 Teachers, 267102 339 Administrative Secretary

Head of Division:

Prof. PhDr. Jiří Kožený, CSc. kozeny@pcp.lf3.cuni.cz

Administrative Secretary:

Zdeňka Červenková zdenka.cervenkova@lf3.cuni.cz

Lýdie Tišanská tisanska@pcp.lf3.cuni.cz

Associate Professor:

PhDr. Karel Balcar, CSc. karel.balcar@lf3.cuni.cz

Senior Lecturers:

Mgr. Katarína Durecová katarina.durecova@lf3.cuni.cz

PhDr. Karel Humhal - humhal@mbox.cz

DEPARTMENT OF SURGICAL SUBJECTS

100 34 Praha 10, Šrobárova 50, tel.: 26716 2410, 26716 2412, fax: 26716 3185

Head of Department:

Doc. MUDr. Jan Fanta, DrSc. – ext. 2412

Administrative Secretary:

Ivana Henslová – ext. 2419

• CLINICAL DEPARTMENT OF ANESTHESIOLOGY AND RESUSCITATION

100 34 Praha 10, Šrobárova 50, tel.: 26716 2451 Head, 26716 2461 Agency

Head of Department:

Doc. MUDr. Jan Páchl, CSc. – ext. 2451 pacht@fnkv.cz

Administrative Secretary:

Petra Steinbachová - ext. 2461 karsec@fnkv.cz

Emeritus Professor:

Prof. MUDr. Jaroslav Počta, CSc.

Associated Professor:

MUDr. Jiří Málek, CSc. – ext. 3025 malekj@fnkv.cz

Senior Lecturers:

MUDr. Bohumil Bakalář – ext. 3261 bakalar@fnkv.cz

MUDr. Jaroslava Jandová – ext. 3361 jandova@fnkv.cz

MUDr. Petr Mizner – ext. 8434

MUDr. Leo Slavkovský – ext. 3458 slavkovsky@fnkv.cz

MUDr. Eva Šimánková – ext. 3361 simankova@fnkv.cz

MUDr. Jan Šturma, CSc. – ext. 3327 sturma@fnkv.cz

• CLINICAL DEPARTMENT OF BURNS MEDICINE

100 34 Praha 10, Šrobárova 50, tel.: 26716 3365 secretary fax: 26731 3374

Head of Department, Assistant Head of Center:

MUDr. Ludomír Brož – ext. 3362 broz@fnkv.cz

Administrative Secretary:

Ing. Anahit Pehrizyan - ext. 3365 burnsec@fnkv.cz

Professor:

MUDr. Radana Königová, CSc. – ext. 3354

Senior Lecturers:

MUDr. Josef Bláha – ext. 3370, 3368

MUDr. Zuzana Kapounková – ext. 3367, 3392 kapounkova@fnkv.cz

MUDr. Jiří Kripner – ext. 3378, 3346

MUDr. Vlasta Štolbová – ext. 3391, 3355

MUDr. Monika Valová – ext. 3392, 3383 valova@fnkv.cz

MUDr. Robert Zajíček - ext. 3382 zajicek@fnkv.cz

Senior Research Fellow:

RNDr. Barbora Dvořánková – ext. 3381, 3347 dvoranko@fnkv.cz

Laboratory:

Marie Čápová - ext. 3352, 3347

• CLINICAL DEPARTMENT OF PLASTIC SURGERY

100 34 Praha 10, Šrobárova 50, tel.: 26716 3030, 26716 3310

Head of Department:

Doc. MUDr. Miroslav Tvrdek – ext. 3252 tvrdek@fnkv.cz

Administrative Secretary:

Štěpánka Slavičková – ext. 3310

Ing. Eva Šotolová – ext. 3030

Associate Professors:

MUDr. Markéta Dušková, CSc. – ext. 3234 marketa.duskova@lf3.cuni.cz

MUDr. Jaroslava Hrivnáková, DrSc. – ext. 3250, 3304

Senior Lecturers:

MUDr. Marie Čákrtová – ext. 3256

MUDr. Jiří Kletenský – ext. 3319

MUDr. Jiřina Kuderová – ext. 3320

MUDr. Roman Kufa – ext. 3322 kufa@email.cz

MUDr. Aleš Nejedlý – ext. 3317 nejedly@mediclub.cz

MUDr. Svatopluk Svoboda – ext. 3203 svasvo@fnkv.cz

MUDr. Jitka Vrtišková – ext. 3248

Emeritus Professor:

MUDr. Miroslav Fára, DrSc. – ext. 3263

• CLINICAL DEPARTMENT OF SURGERY

100 34 Praha 10, Šrobárova 50, tel.: 26716 2410, 26716 2412, fax: 26716 3185

Head of Department:

Doc. MUDr. Jan Fanta, DrSc. – ext. 2412 fanta@fnkv.cz

Administrative Secretary:

Ivana Henslová – ext. 2419

Associate Professors:

MUDr. Ladislav Horák, DrSc. – ext. 2745 horakl@fnkv.cz

MUDr. František Vyhnaněk, CSc. – ext. 2966 vyhnanek@fnkv.cz

Senior Lecturers:

MUDr. Martin Bernat – ext. 2476 bernat@fnkv.cz

MUDr. Ladislav Denemark – ext. 2566

MUDr. Vítězslav Ducháč – ext. 2745 duchac@fnkv.cz
MUDr. Ahmad El-Masri masri@fnkv.cz
MUDr. David Jirava – ext. 2466 jirava@fnkv.cz
MUDr. Rodomil Kostka, CSc. – ext. 2472 kostka@fnkv.cz
MUDr. Ladislav Novák – ext. 2468 novak.lad@seznam.cz
MUDr. Bohumil Vach – ext. 2566
MUDr. Jiří Vavřík, CSc. – ext. 2472 vavrik@fnkv.cz
MUDr. Oldřich Vojtíšek – ext. 2452 vojtisek@fnkv.cz

• **CLINICAL DEPARTMENT OF UROLOGY**

100 34 Praha 10, Šrobárova 50, tel.: 26716 2808 Head, 26716 2609 Agency, fax: 26716 2999

Head of Department:

Doc. MUDr. Michael Urban – ext. 2609 urbanm@fnkv.cz

Administrative Secretary:

Marie Lišková – ext. 3550

Senior Lecturers:

MUDr. Tomáš Baitler baitler@fnkv.cz

MUDr. Robert Grill – ext. 3444 grill@fnkv.cz

MUDr. Jiří Heráček - ext. 3237 heracek@fnkv.cz

MUDr. Martin Lukeš – ext. 2961 lukes@fnkv.cz

MUDr. Věra Mašková - ext. 3237 maskova@fnkv.cz

MUDr. Roman Zachoval zachoval@fnkv.cz

MUDr. Miroslav Záleský - ext. 2961 zalesky@fnkv.cz

• **CLINICAL ORTHOPAEDICS–TRAUMATOLOGICAL DEPARTMENT**

100 34 Praha 10, Šrobárova 50, tel.: 26716 2431, tel./fax: 26731 3372

Head of Department:

Doc. MUDr. Jan Bartoníček, DrSc. – ext. 2431 bartonic@fnkv.cz

Administrative Secretary:

Anna Holubová - ext 2431

Professor:

MUDr. Oldřich Čech, DrSc. – ext. 2813

Associate Professor:

MUDr. Valér Džupa, CSc. - ext. 3172 dzupa@fnkv.cz

MUDr. Martin Krbec

Senior Lecturers:

MUDr. Pavel Douša – ext. 2978 dousa@fnkv.cz

MUDr. Vladimír Frič, CSc. – ext. 2430

MUDr. David Jehlička – ext. 2489

MUDr. Roman Košťál – ext. 2713 kostal@fnkv.cz

MUDr. Vladimír Pacovský – ext. 2903 pacovsky@fnkv.cz

MUDr. Pavel Pazdírek – ext. 2799 pazdirek@fnkv.cz

MUDr. Jiří Skála–Rosenbaum - ext. 2712

MUDr. Jaroslav Vávra – ext. 2483

MUDr. Michal Zídka – ext. 2483

• **CLINICAL DEPARTMENT OF NEUROSURGERY**

100 00 Praha 10, U roháčových kasáren 2, tel./fax: 272738490

Head of Department:

Doc. MUDr. Pavel Haninec, CSc. – ext. 8540 haninec@cesnet.cz

Administrative Secretary:

Jaroslava Frýdlová - ext. 8548

Professors:

MUDr. Lubor Stejskal, DrSc.

MUDr. Eduard Zvěřina, DrSc.

External Teachers:

MUDr. Ladislav Houšťava, Ph.D. - ext. 8300

MUDr. Petr Linzer - ext. 3641

MUDr. Roman Liščák, CSc., tel.: 257 272 552, fax: 257 210 688, Roman.Liscak@homolka.cz

MUDr. Filip Šámal - ext. 3641

MUDr. Robert Tomáš - ext. 3641

MUDr. Dušan Urgošik, CSc., tel.: 257 272 901, fax: 257 210 688, Dusan.Urgosik@homolka.cz

- **CLINICAL DEPARTMENT OF CARDIOSURGERY**

100 34 Praha 10, Šrobárova 50, tel: 26716 3422

Head of Department:

Doc. MUDr. Zbyněk Straka, CSc. – ext. 3421 straka@fnkv.cz

Administrative Secretary:

Ivana Synkulová - ext. 3422

External Teachers:

MUDr. Tomáš Vaněk, CSc.

MUDr. Jan Votava

- **CLINICAL DEPT. OF CHILDREN'S SURGERY AND TRAUMATOLOGY , 3RD FACULTY OF MEDICINE AND THOMAYER FACULTY HOSPITAL WITH HEALTH CENTER, PRAGUE**

140 59 Praha 4, Krč, Vídeňská 800, tel. 261 083 770, 261 083 369

Head of Department:

Prof. MUDr. Petr Havránek, CSc. - tel.: 261 083 770 petr.havranek@ftn.cz

Administrative Secretary:

Jarmila Matysíková - tel.: 261 083 369 detchir@ftn.cz

External Teachers:

as. MUDr. Tomáš Pešl - tel. 261 083 164 tomas.pesl@ftn.cz

as. MUDr. Stanislav Tichý - tel. 261 082 169

as. MUDr. Pavel Tomek - tel. 261 083 360

DEPARTMENT OF INTERNAL MEDICAL SUBJECTS

100 34 Praha 10, Šrobárova 50, tel./fax: 26716 2710

Head of Department:

Prof. MUDr. Michal Anděl, CSc. michal.andel@lf3.cuni.cz

Administrative Secretary:

Kateřina Janů - ext. 2710 int2sec@fnkv.cz

- **1ST CLINICAL DEPARTMENT OF INTERNAL MEDICINE**

100 34 Praha 10, Šrobárova 50, tel.: 26716 2315, 26716 2357, fax: 26716 2658

Head of Department:

Prof. MUDr. Jiří Horák, CSc. horak@fnkv.cz

Administrative Secretary:

Lenka Pavlíková - int1sec@fnkv.cz

Associate Professors:

MUDr. Milan Jaroš, CSc.

MUDr. Ladislav Mertl, CSc. mertl@fnkv.cz

MUDr. Jaroslav Stránský, CSc.

MUDr. Marie Valešová, CSc. valesova@fnkv.cz

Senior Lecturers:

MUDr. Marie Alušíková, CSc.

MUDr. Jana Bělinová

MUDr. Hana Burešová h.buresova@volny.cz
MUDr. Blanka Cieslarová cieslaro@fnkv.cz
MUDr. Julius Forejt
MUDr. Jan Háša hasa@fnkv.cz
MUDr. Jan Hnaníček hnanicek@fnkv.cz
MUDr. Tomáš Kozák kozak@fnkv.cz
MUDr. Jiří Sedlák, CSc. sedlak@fnkv.cz
MUDr. Radka Šafářová
MUDr. Monika Tóthová
MUDr. Světlana Vaňková
MUDr. Pavla Zámečnicková zamecnikovapavla@hotmail.com

• **2ND CLINICAL DEPARTMENT OF INTERNAL MEDICINE**

100 34 Praha 10, Šrobárova 50, tel./fax: 26716 2710

Head of Department:

Prof. MUDr. Michal Anděl, CSc. michal.andel@lf3.cuni.cz

Administrative Secretary:

Kateřina Janů - ext. 2710 int2sec@fnkv.cz

Associate Professor:

MUDr. Miroslav Bulvas, CSc. - ext. 2668 Mbulv@fnkv.cz

MUDr. Milan Kment, CSc. - ext. 2706, 2719 kment@fnkv.cz

Senior Lecturers:

MUDr. Hana Bartáková – ext. 2702, 3418

MUDr. Jan Brož – ext. 2982

MUDr. Jan Hajer – ext. 2719, 2760 jan.hajer@post.lf3.cuni.cz

MUDr. Eva Helekalová – ext. 2741, 2708

MUDr. Iva Hoffmanová - ext.: 2703, 2702, 2708 hoffmanova@centrum.cz

MUDr. Milena Hořejšová – ext. 2718, 2708

MUDr. Věra Hošková - maternity leave

MUDr. Pavel Kraml – ext. 2729, 2983 kraml@fnkv.cz

MUDr. Ivan Rychlík, CSc. - l.p. 2983 rychlik@cesnet.cz

MUDr. Richard Sotorník - ext. 2752, 2983 sotornik@yahoo.com

MUDr. Pavel Těšínský - ext. 2741 tesinsky@lf3.cuni.cz

MUDr. Zdeňka Zádorová - ext. 2719, 2708

Technical Lecturer:

Jana Potočková – ext. 3031 potocko@fnkv.cz

Laboratory of pathological physiology of diabetes and other metabolic disorders

(common workplace of 2nd Clinical Dpt. of Internal Medicine; Dpt. of Normal, Pathological and Clinical Physiology and Division of Medical Chemistry and Biochemistry)

Head: Prof. MUDr. Michal Anděl, CSc.

Ludmila Brunerová

MUDr. František Duška

Technical Lecturer:

Magdalena Mátlová

• **3RD CLINICAL DPT. OF INTERNAL MEDICINE – CARDIOLOGY**

100 34 Praha 10, Šrobárova 50, tel./fax: 26716 2621

Head of Department:

Prof. MUDr. Petr Widimský, DrSc. – ext. 3159 widim@fnkv.cz

Administrative Secretary:

Gabriela Mühlbergerová - ext. 2621kardsekr@fnkv.cz

Professor:

MUDr. Pavel Gregor, DrSc. – ext. 2700 gregor@fnkv.cz

Associate Professor:

MUDr. Jana Málková, CSc. – ext. 2705, 2704 malkova@fnkv.cz

Senior Lecturers:

MUDr. Tomáš Buděšinský - ext. 2701, 3162 budessin@fnkv.cz
MUDr. Václav Bufka - ext. 3760, 3546 bufka@fnkv.cz
MUDr. Jaroslav Dvořák - ext. 2701, 2763 dvorakja@fnkv.cz
MUDr. Martin Herold - ext. 2757 herold@fnkv.cz
MUDr. Dalibor Heřman - ext. 3029 herman@fnkv.cz
MUDr. Radovan Jirmář - ext. 2762 jirmar@fnkv.cz
MUDr. Jiří Krupička - ext. 2724, 2764 krupicka@fnkv.cz
MUDr. Libor Lisa - ext. 2701, 3162
MUDr. Filip Málek - ext. 2616, 2311 malek@fnkv.cz
MUDr. Pavel Štanka - ext. 2329, 2311 stanka@fnkv.cz
MUDr. Rudolf Špaček - ext. 2319 spacek@fnkv.cz
MUDr. Petr Štros - ext. - 3029 stros@fnkv.cz

• CLINICAL DEPARTMENT OF PNEUMOLOGY AND THORACIC SURGERY

180 81 Praha 8, Budínova 2, tel.: 26608 2671, 26608 2080, fax: 28484 0840

Head of Department:

Doc. MUDr. Petr Zatloukal, CSc. – tel.: 26608 2080 zatloukp@fnb.cz

Administrative Secretary:

Miluše Grusová – tel.: 26608 2671

Associate Professor:

MUDr. Jaromír Musil – tel.: 26608 2095

Lecturers:

MUDr. Pavel Fiala, CSc. – tel.: 26608 2267

MUDr. Igor Jurikovič – tel.: 26608 2085

MUDr. František Petřík - tel.: 26608 2095

• CLINICAL DEPARTMENT OF INFECTIOUS DISEASES

180 81 Praha 8, Budínova 2, tel./fax: 26608 2707

Head of Department:

MUDr. Jiří Beneš, CSc. – tel.: 26608 2708 benesj@cesnet.cz

Administrative Secretary:

Danuše Vopálenská – tel./fax: 26608 2707 benesj@fnb.cz

Senior Lecturers:

MUDr. Olga Džupová – tel.: 26608 2705 olga.dzupova@fnb.cz

MUDr. Zdenka Mandáková – tel.: 26608 2713 mandakovaz@seznam.cz

MUDr. Jana Viechová, CSc. – tel.: 26608 2705 Jana.Viechova@fnb.cz

• DEPARTMENT OF CLINICAL HEMATOLOGY OF THE FACULTY HOSPITAL

100 34 Praha 10, Šrobárova 50, tel: 26716 2292

Head of Department: Prim. MUDr. Tomáš Kozák – ext. 2821 kozak@fnkv.cz

• DEPARTMENT OF INTERNAL MEDICINE AT HOMOLKA MEDICAL CENTER

150 30 Praha 5, Roentgenova 2, tel: 25727 3049

Head of Department:

Doc. MUDr. Jan Kábrt, CSc.

Senior Lecturer:

MUDr. Petr Beneš

• DEPARTMENT OF CARDIOLOGY AT HOMOLKA MEDICAL CENTER

150 30 Praha 5, Roentgenova 2, tel: 25727 2216

Head of Department: Doc. MUDr. Petr Niederle, CSc.

DEPARTMENT OF GYNAECOLOGY AND OBSTETRICS

100 34 Praha 10, Šrobárova 50, tel.: 29647 3101 head, 29647 2368 secretary

Head of Department:

Doc. MUDr. Bohuslav Svoboda, CSc.– ext. 3101 bsvoboda@cesnet.cz

Administrative Secretary:

Ludmila Jirochová – ext. 2368

• **CLINICAL DEPARTMENT OF GYNAECOLOGY AND OBSTETRICS**

100 34 Praha 10, Šrobárova 50, tel.: 29647 3101 Head, 29647 2368 Administrative Secretary

Head of Department:

Doc. MUDr. Bohuslav Svoboda, CSc. – ext. 3101 bsvoboda@cesnet.cz

Administrative Secretary:

Ludmila Jirochová – ext. 2368

Associate Professor:

MUDr. Václav Mottl, CSc. – ext. 2260, 2974

Senior Lecturers:

MUDr. Marie Bendová – ext. 2730

MUDr. Jindřich Čihák – ext. 2732

MUDr. Anna Havránková – ext. 2863, 2736 havranko@fnkv.cz

MUDr. Ivan Hes, CSc. – ext. 2732

MUDr. Ivan Kraus, CSc. – ext. 2965

MUDr. Taťána Lomíčková - ext. 2730

MUDr. Michael Pipka – ext. 3056 pipka@fnkv.cz

MUDr. Rajmund Pokorný – ext. 2732

MUDr. Jiří Popelka – ext. 2731, 3594 popelka@fnkv.cz

MUDr. Ludmila Tikovská – ext. 2730

MUDr. Karel Tikovský – ext. 2731

MUDr. Jan Zmrhal, CSc.

Senior Research Fellow:

Ing. René Pruner – ext. 2310 renda@cesnet.cz

• **INSTITUTE OF MOTHER AND CHILD CARE IN PRAGUE PODOLÍ**

147 10 Praha 4 – Podolí, Podolské nábřeží 157, tel: 296 511 111, fax: 296 511 296

Director:

doc. MUDr. Jaroslav Feyereisel, CSc.

Senior Lecturers:

MUDr. Kateřina Andělová – ext. 322

MUDr. Jan Drahoňský – ext. 491

MUDr. Jan Janota – ext. 448

MUDr. Ladislav Krofta – ext. 378

MUDr. Eduard Kučera – ext. 471

MUDr. Jan Melichar – ext. 529

MUDr. Alena Měchurová, CSc. - ext. 469

MUDr. Martin Pán – ext.491

MUDr. Petr Podroužek, CSc. – 233 352 032

MUDr. Zbyněk Straňák, CSc. – ext. 466, 448

MUDr. Petr Šafář, CSc. – ext. 205

MUDr. Antonín Šípek - ext. 467

MUDr. Radovan Turyna – ext. 329

MUDr. Petr Velebil, CSc. – ext. 379

CLINICAL DEPARTMENT

• DEPARTMENT OF DERMATOVENEROLOGY

100 34 Praha 10, Šrobárova 50, tel.: 26716 2340

Head of Department:

Prof. MUDr. Petr Arenberger, DrSc. – ext. 3000 arenberg@mbox.cesnet.cz

Administrative Secretary:

Jana Nováková – ext. 2340 dermasec@fnkv.cz

Professor:

MUDr. Pavel Barták, CSc, pbartak@volny.cz

Senior Lecturers:

MUDr. Monika Arenbergerová – ext. 2354 mraiso@yahoo.com

MUDr. Iva Obstová – ext. 2988 obstova@fnkv.cz

• DEPARTMENT OF CHILDREN AND ADOLESCENTS

100 81 Praha 10, Vinohradská 159, tel.: 26716 2561, fax: 272 73 63 26

Head of Department:

Doc. MUDr. Jan Lebl, CSc. – ext. 2530 lebl@fnkv.cz

Administrative Secretary:

Eva Mattušová – ext. 2561 pedsec@fnkv.cz

Professor:

MUDr. Olga Hníková, CSc. – ext. 2819

Senior Lecturers:

MUDr. Eliška Čeřovská – ext. 2553 cerovska@fnkv.cz

MUDr. Ludmila Hejčmanová – ext. 2562

MUDr. Monika Kolská – ext. 2571 maternity leave

MUDr. David Marx – ext. 2560 marx@fnkv.cz

MUDr. Daniela Palyzová, CSc. – ext. 2565 palyzova@fnkv.cz

MUDr. Štěpánka Průhová – ext. 2551 pruhova@hotmail.com

MUDr. Vladimír Volf – ext. 2560 volf@fnkv.cz

MUDr. Felix Votava – ext. 2560 votava@fnkv.cz

• DEPARTMENT OF NEUROLOGY

100 34 Praha 10, Šrobárova 50, 26716 2380 Agency of Department, fax: 26716 2377, e-mail: neursec@fnkv.cz, Administrative Secretary – tel.: 26716 3480, fax: 26716 3563, e-mail: efns@fnkv.cz

Head of Department:

Prof. MUDr. Pavel Kalvach, CSc. – ext. 2814 kalvach@fnkv.cz

Administrative Secretary:

Ing. Magdalena Dohnalová – ext. 3480 efns@fnkv.cz

Associate Professor:

MUDr. Valja Kellerová, DrSc. – ext. 2494 keller@fnkv.cz

Senior Lecturers:

MUDr. Aleš Bartoš – ext. 2297 bartos@fnkv.cz

MUDr. Andrea Folaufová – ext. 2376

MUDr. Ladislava Janoušková, tel.: 257 272 532 ladislava.janouskova@homolka.cz

MUDr. Hana Machová – ext. 2394

MUDr. Eva Medová - ext. 2386

MUDr. Libor Musil - ext. 2297

MUDr. Ladislav Pazdera - pazdera@neurolog.cz

MUDr. Tomáš Peisker – ext. 8505

MUDr. Jiří Piřha – ext. 2388 pitha@fnkv.cz

MUDr. Libor Švoboda – ext. 2243

MUDr. Ivana Štětkařová, CSc. - tel. 257272175, Ivana.Stetkarova@homolka.cz

MUDr. Oldřich Vyřata vysata@neurolog.cz

- **DEPARTMENT OF NUCLEAR MEDICINE**

100 34 Praha 10, Šrobárova 50, tel.: 26716 2626, 26716 2809, 26716 3186, fax: 26716 2660

Head of Department:

MUDr. Otto Lang – ext. 2809 lang@fnkv.cz

Administrative Secretary:

Dana Urbanová – ext. 3186 knmsec@fnkv.cz

Senior Lecturers:

MUDr. Otakar Bělohávek, CSc. - tel.: 257 272 463, 257 272 165 otakar.belohlavek@homolka.cz

MUDr. Jan Šantora, CSc. - tel.: 318 654 305, 318 654 308, 318 654 573 onmpb@volny.cz

- **DEPARTMENT OF OPHTHALMOLOGY**

100 34 Praha 10, Šrobárova 50, tel.: 26716 2390, fax: 26716 2491

Head of Department:

Prof. MUDr. Pavel Kuchynka, CSc. – ext. 2285 kuchynka@fnkv.cz

Administrative Secretary:

Eva Babáková – ext. 2390 ophtsec@fnkv.cz

Senior Lecturers:

MUDr. Ivan Fišer - ext. 2506 fiser@fnkv.cz

MUDr. Jara Hornová, CSc. – ext. 2493 hornova@fnkv.cz

MUDr. Ivo Kocur – ext. 3157 kocur@fnkv.cz

- **DEPARTMENT OF OTORHINOLARYNGOLOGY**

100 34 Praha 10, Šrobárova 50, tel.: 26716 2588, Agency, 26716 2330 Head, fax: 26716 2330

Head of Department:

Doc. MUDr. Dr. med. Aleš Hahn, CSc. hahn@fnkv.cz

Administrative Secretary:

Lenka Dvořáková - ext. 3171

Lecturers:

MUDr. Dr. med. Aleš Čoček - ext. 2548 cocek@fnkv.cz

MUDr. Azita Gebauerová - ext. 2574 gebauero@fnkv.cz

MUDr. Lukáš Otruba - ext. 2548 otruba@fnkv.cz

MUDr. Marek Průcha - ext. 3090 prucham@fnkv.cz

MUDr. Ivan Šejna, CSc. - ext. 2590 sejna@fnkv.cz

MUDr. Kristína Štolbová - ext. 2574 stolbova@fnkv.cz

MUDr. Jana Voldánová - ext. 2587 voldano@fnkv.cz

MUDr. Jaromír Zahradil - ext. 2548 zahradil@fnkv.cz

Visiting Professor:

Prof. Dr. med. Claus–Frenz Claussen – Julius–Maxmilians Universität, Würzburg, SRN

Prof. Reuven Kohen–Raz PhD. – Director Tetrax LTD., Prof. Emeritus Hebrew University, Jerusalem, Israel

- **DEPARTMENT OF RADIOLOGY**

100 34 Praha 10, Šrobárova 50, tel.: 26716 2400, fax: 26716 2409

Head of Department:

Doc. MUDr. Jan Šprindrich, CSc. – ext. 2812 sprind@fnkv.cz

Administrative Secretary:

Eva Drahotová – ext. 2400 drahotova@fnkv.cz

Senior Lecturers:

MUDr. Alena Bílková – ext. 3018

MUDr. František Čáp – ext. 2585

MUDr. Jiří Daniel – ext. 2400

MUDr. Hana Marková – ext. 2557

- **DEPARTMENT OF RADIOTHERAPY AND ONCOLOGY**

100 34 Praha 10, Šrobárova 50, tel.: 26716 2815, 26716 2333, fax: 26716 3232

Head of Department:

Doc. MUDr. Josef Kovařík – ext. 2815 kovarik@fnkv.cz

Administrative Secretary:

Věra Bejšovcová

Senior Lecturers:

MUDr. Miloslav Ambruš – ext. 2746 ambrus@fnkv.cz

MUDr. Milan Brychta – ext. 2320 brychta@fnkv.cz

MUDr. David Feltl – ext. 2231 feltl@fnkv.cz

MUDr. Eva Kindlová – ext. 2837 kindlova@fnkv.cz

MUDr. Martina Kubecová – ext. 3136 kubecova@fnkv.cz

MUDr. Alena Pumprlová - ext. 2837

MUDr. Jan Stejskal – ext. 2667157151

- **DEPARTMENT OF STOMATOLOGY**

100 34 Praha 10, Šrobárova 50, tel.: 26716 3284 Head, 26716 3277 Administrative Secretary, tel./fax: 26716 3109

Head of Department:

MUDr. Eva Gojišová gojisova@fnkv.cz

Administrative Secretary:

Anna Švehlová stomsec@fnkv.cz

Senior Lecturers:

MUDr. Adel El-Lababidi

MUDr. Pavel Hájek phajek@fnkv.cz

MUDr. Miroslav Janota, CSc.

MUDr. Magdalena Kořová

MUDr. Tomáš Slivka

MUDr. Tomáš Strnadel

MUDr. Jan Štěpánek

- **DEPARTMENT OF PHYSIOTHERAPY**

100 34 Praha 10, Šrobárova 50, tel.: 26716 2300, 26716 3117, fax: 26716 3214

Head of Department:

MUDr. Jan Vacek ext. 2307 vacek@fnkv.cz

Administrative Secretary:

Miluše Pavlíčková – ext. 3117

Senior Lecturers:

Mgr. Pavel Fuksa – tel.: 266 006 422 rehabilitace@clinicum.cz

PhDr. Alena Herbenová – ext. 3486 herbeno@fnkv.cz

OTHER INFORMATION

ADDRESSES OF AFFILIATED AND CO-OPERATING INSTITUTIONS AND CZECH CENTRAL ORGANS

1. lékařská fakulta UK

121 08 Praha 2, Kateřinská 32
tel.: 296 151 111
fax: 224 915 413
www: <http://www.lf1.cuni.cz>

2. lékařská fakulta UK

150 06 Praha 5, V Úvalu 84
tel.: centrála: 224 431 111
sekretariát: 224 435 801, 224 435 802
fax: 224 435 820
www: <http://www.lf2.cuni.cz>

Lékařská fakulta Univerzity Karlovy v Plzni

306 05 Plzeň, Husova 13
tel.: 377 221 200
fax: 377 221 460
www: <http://www.lfp.cuni.cz>

Lékařská fakulta UK v Hradci Králové

500 01 Hradec Králové, Šimkova 870
tel.: 495 816 111
tel./fax: 495 513 597
www: <http://www.lfhk.cuni.cz>

Lékařská fakulta Masarykovy univerzity v Brně

662 43 Brno, Komenského nám. 2
tel.: 542 126 111
fax: 542 213 996, 542 126 200
www: <http://www.med.muni.cz>

Lékařská fakulta Univerzity Palackého v Olomouci

771 26 Olomouc, tř. Svobody 8
tel.: 585 632 009
fax: 585 223 907
www: <http://www.upol.cz/UP/Struktura/Lf/sidlo.htm>

Lékařská fakulta Univerzity Komenského v Bratislavě

813 72 Bratislava, Špitálská 24
tel.: 00421/7/59357111
fax: 00421/7/59357201
www: <http://www.fmed.uniba.sk/>

Jesseniova lékařská fakulta Univerzity Komenského v Martině

036 45 Martin, Záborského 2
tel.: 00421/842/33305, 00421/842/39898
fax: 00421/842/36332
www: <http://www.jfmed.uniba.sk>

Lékařská fakulta Univerzity P. J. Šafárika v Košicích

040 66 Košice, Trieda SNP 1
tel.: 00421/95/6428151
fax: 00421/95/6428151
00421/95/6420253
www: <http://www.jfmed.uniba.sk>

Ministerstvo zdravotnictví ČR

128 01 Praha 2, Palackého nám. 4
tel.: 224 971 111
fax: 224 972 111
www: <http://www.mzcr.cz>

Ministerstvo školství, mládeže a tělovýchovy ČR

118 12 Praha 1, Karmelitská 7
tel.: 257 193 111
fax: 257 193 79
www: <http://www.msmt.cz>

Dům zahraničních služeb MŠMT ČR

111 21 Praha 1, Senovážné nám. 26
tel.: 224 398 111
fax: 224 229 697
www: <http://www.dzs.cz>

Česká lékařská společnost J. Ev. Purkyně Lékařský dům

Sokolská 31
120 26 Praha 2, tel.: 2290 900, 2249 15 195-8
Fax: 224 216 836
E-mail: cls@cls.cz
www: <http://www.clsjep.cz/>

Česká lékařská komora

Lékařská 2, 150 00 Praha 5
tel. čísla na ústřednu:
257 211 329, 257 217 226, 257 219 280, 257 216 810
Kancelář v Olomouci, Dolní nám. 38, Olomouc 772 00
E-mail: clk@anet.cz
www: <http://www.clk.cz>

OFFICE HOURS

DEAN'S OFFICE:

Doc. MUDr. Bohuslav Svoboda, CSc. Mondays and Thursdays 9.00 – 15.00

VICE – DEANS :

Prof. MUDr. Michal Anděl, CSc. – Tuesdays and Thursdays upon previous appointment at tel .: 267 102 363

Prof. MUDr Pavel Haninec, CSc. – Thursdays 13.00 – 14.00 h., r.n. 239

Prof. MUDr. Jiří Horák, CSc. – Thursdays 8.00 – 9.00 h., Ist .Internal Clinic .

Doc. MUDr. Daniela Janovská, CSc. – Thursdays 7.00 – 8.00 h. and 14.00 – 15.00 h., r.n. 337

Doc. RNDr. Eva Samcová, CSc. – Wednesdays 10.00 – 12.00 h. and Friday 10.00 – 12.00 h., r.n. 407

SECRETARY OF THE FACULTY :

Doc. MUDr. Jozef Rosina

DEAN'S OFFICE :

On Wednesdays the Dean's office is closed.

Grant Agenda:

Květa Lánská , r.n. 229

Kateřina Sojková, r.n. 229

Economics Division – Treasury :

Helena Volmuthová – Monday, Tuesday, Thursday, Friday 6.30 – 15.00 h.

Division of Science and Research – Post-Graduated Studies :

Blanka Alinčová r.n. 230

International Relations :

Hana Jarošová Tuesday and Thursday r.n. 239

Personnel Division :

Věra Tomášková r.n.. 232

Miluše Ramešová r.n.. 231

Olga Sekavová r.n.. 231 Tuesday 9.00 - 13.00 h., Thursday 13.00 - 15.00 h.

Study division r.n. 205, 206, 208

Monday 13.00 – 15.30

Tuesday 7.30 – 12.00

Wednesday 7.30 – 12.00, 13.00 – 15.30 .

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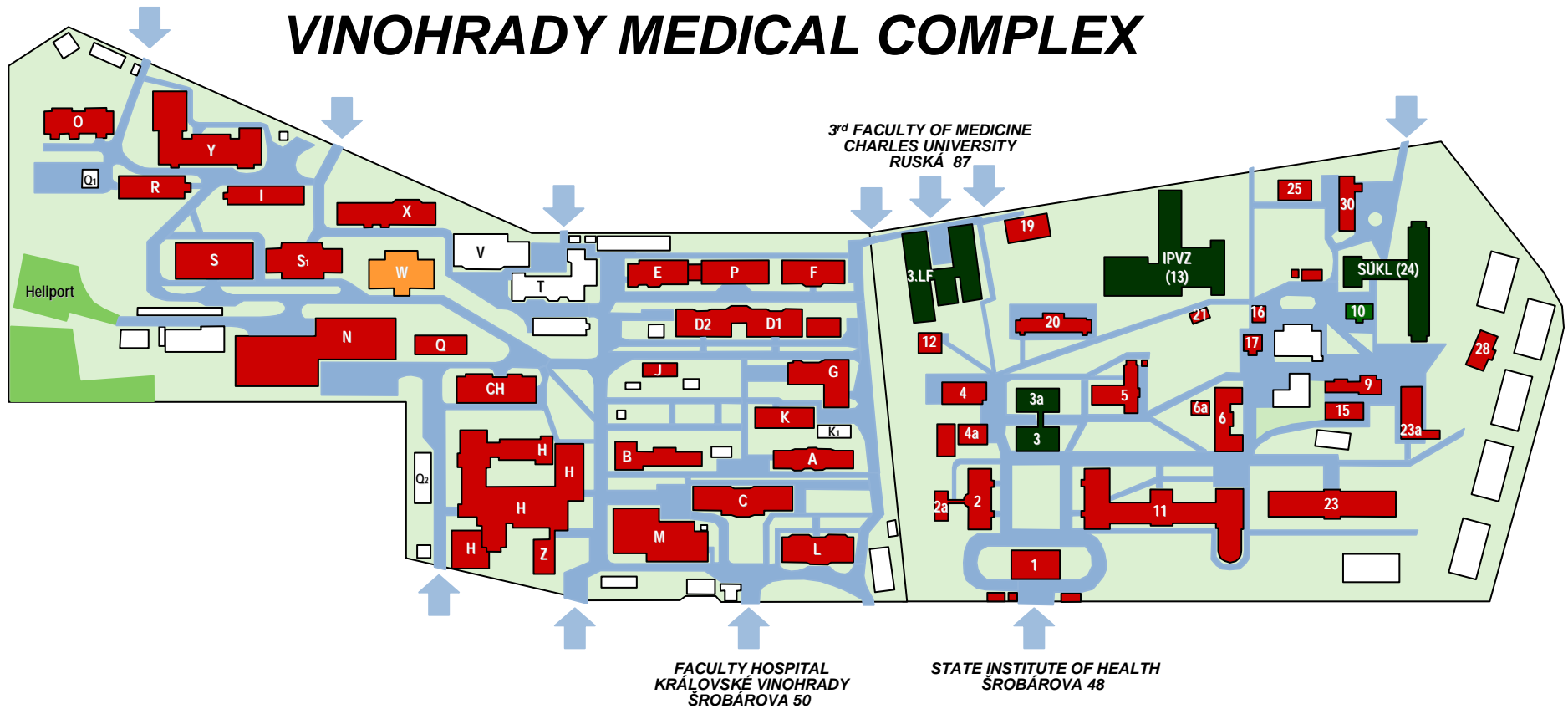
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