

Charles University
First Faculty of Medicine

Annual Report

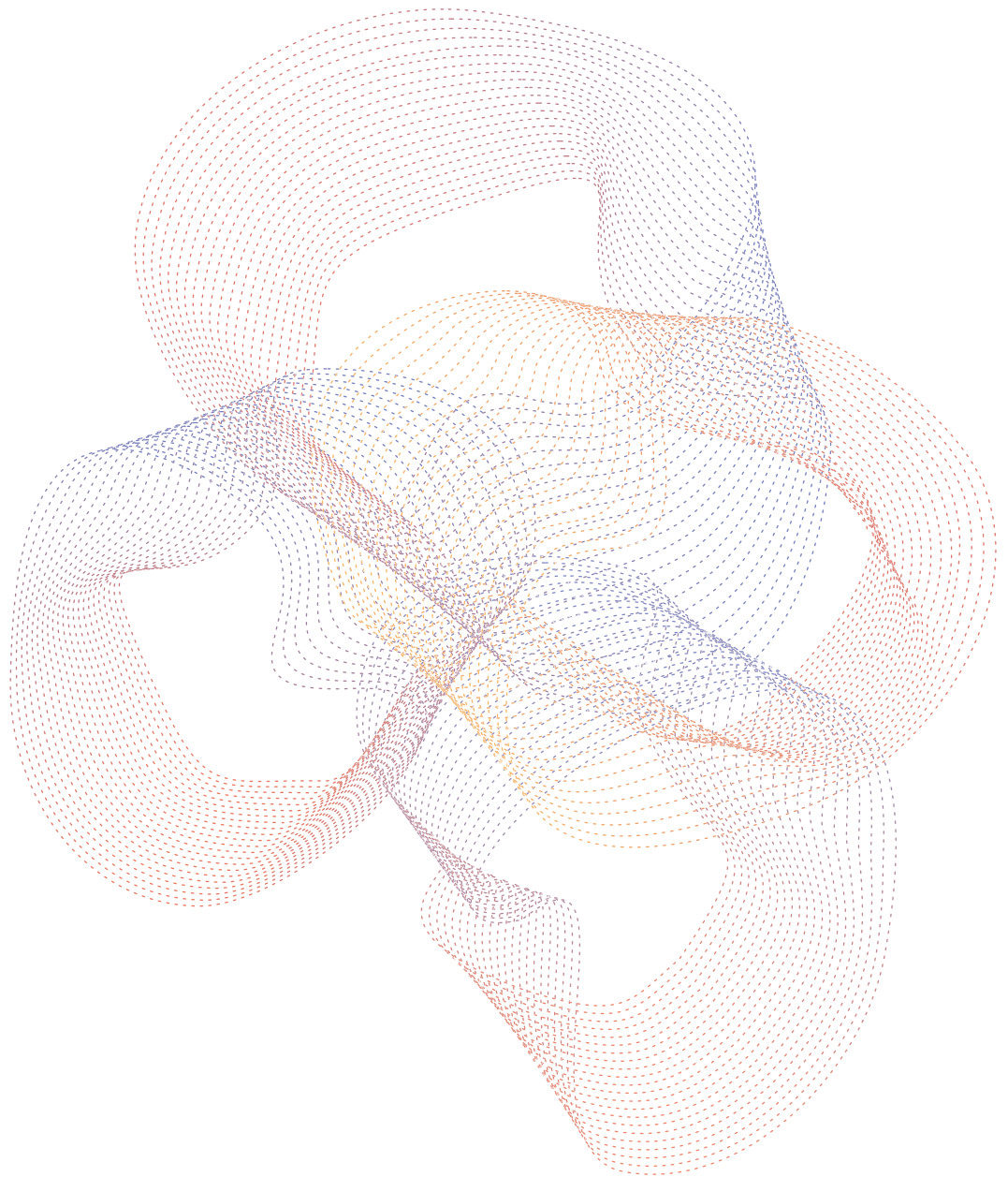
2019



Charles University
First Faculty of Medicine

Annual Report

2019





**FIRST FACULTY
OF MEDICINE**
Charles University

Compiled by team of authors from Charles University – the First Faculty of Medicine
Graphical outlay and setting: Mgr. Kristýna Heřmanová, Zuzana Sajdlová
Photographs: Veronika Vachule Nehasilová, Markéta Sýkorová

REPORT ON THE ACTIVITIES

7	Dean of the Faculty
9	Director of the General University Hospital in Prague
10	Director of the Military University Hospital Prague
12	Director of the Thomayer Hospital
14	Director of the Na Bulovce Hospital
15	Director of the University Hospital Motol
16	Governing bodies of the Faculty
19	Development of the Faculty, organizational changes and composition of the staff
22	Appointment of Professors and Associate Professors in 2019
30	Studies
56	Science and research, grant agenda
89	Activities of the Institute of Scientific Information
97	International relations
100	Communication Department

MANAGING REPORT

109	Auditor's report
-----	------------------

ATTACHMENTS

115	Students' activities
128	Awards granted in 2019
130	List of organizational units of the Faculty by 31 st December 2019

7	Dean of the Faculty
9	Director of the General University Hospital in Prague
10	Director of the Military University Hospital Prague
12	Director of the Thomayer Hospital
14	Director of the Na Bulovce Hospital
15	Director of the University Hospital Motol
16	Governing bodies of the Faculty
16	Academic Senate
17	Management of the First Faculty
17	Scientific Board of the Faculty
19	Development of the Faculty, organizational changes and composition of the staff
22	Appointment of Professors and Associate Professors in 2019
24	Procedures for appointment to professor posts at the Scientific Board of the First Faculty of Medicine at Charles University in 2019
27	Habilitation procedures to appoint associate professors, passed in the Scientific Board of the First Faculty of Medicine at Charles University in 2019
30	Studies
30	Education
43	Evaluation of tuition by students
44	Postgraduate doctoral studies in biomedicine
56	Science and research, grant agenda
57	Science and research, grants
61	2018 bibliography
61	Publications in journals with the highest impact factors, by the author's role, in 2018
84	Development of publishing activity in journals with IF, number of publications – total IF in 2018
85	Hirsch index
89	Activities of the Institute of Scientific Information
89	Institute of Scientific Information of the First Faculty of Medicine
93	Monographs (survey of monographs and textbooks published by authors/co-authors from the Faculty) in 2019
97	International relations
97	International student exchange and stays abroad
100	Communication Department
100	Media and public relations
103	Applicants and potential prospective students
104	Internal communication
106	Web pages and social networks
106	Professional and scientific journals



*Prof. MUDr. Aleksi Šedo, DrSc.
Dean of the Faculty*

This 2019 Annual Report provides, apart from the formal retrospection of the factual account of the Faculty's state, the chance for a retrospective glance and evaluation of our own work. As thrifty people, we were, considering the current situation of medical schools, taking care of the base of the Faculty, of the environment that produces good ideas, and tried to promote the development of the Faculty.

The main areas of our aspirations are the quality of education of medical and dental students as well as students of non-medical health care branches, professional success of our graduates, well-balanced economy, support of student and academic science, specialization training but also care of the welfare of our teachers, scientists and other Faculty staff.

I cannot pass over the considerable endeavour which we had to make in order to overcome administrative obstacles. However commonplace it may sound, the quantity of junk documents keeps increasing and the Faculty often raised a shield against red tape and sometimes managed to resist at least some of the new bureaucratic requests. Nevertheless, in some cases we could not avoid additional administration, for example the Faculty staff now have to check on recognition of our prospective students' secondary education diplomas from schools abroad and endlessly struggle for smooth long-term visa granting. In view of this, the more admirable are the administrative successes achieved, such as obtaining accreditations or re-accreditations of study programmes, evaluation of tests for entrance procedures, analyses and evaluations of the impact of previous decisions, or no less an issue than economic prosperity of the Faculty.

In 2019, the Faculty received about 6,000 applications for studies. This is a considerable rise in interest in medical and dental studies, which we can explain by the complex elaborate terms and conditions of the entrance procedure but also by the splendid reputation of the Faculty, supported by excellent academic staff, well-trained graduates and our activities addressing the public and the media willing to provide room for our topics.

One of the well-tried activities that positively promote the interest in studies at the Faculty is interactive workshops for secondary schools. The great interest testifies to the correct choice of the format of "excursions to get the feel of medicine". Another successful activity is promotion of the First Faculty of Medicine of Charles University by its students, who addressed hundreds of motivated secondary school students at their former schools. In 2019, the preparatory courses at the First Faculty of Medicine saw some changes. Apart from increased interactivity of the tuition and more detailed information about the studies it was also the project *Jednička nanečisto* [Testing the Number One], another chance to explore the practice of medical education.

Education of our students saw some changes in 2019 as well. A new offer of facultative procedures is entered in the logbooks, the syllabi for propaedeutics were harmonized, and the scope of educational videos available widened. Further, topic areas for subjects of State Examinations, rules for individual study placements abroad were specified in more detail, rules of granting subsidies for students' educative activities were clearly defined, and rules of registration for re-sit exams saw some changes as well. Students in English parallel classes and teachers from abroad welcomed the long-expected English version of the Faculty's website. And, as it can be seen from the annual evaluation of tuition by students, the number of positively graded organization units keeps increasing.

Progress was also seen in development of international relations, where the Faculty defines its vital issues as, above all, education of international students, student and academic staff mobility, but also the work of international academic staff at the Faculty and international co-operation in the sphere of science. Part of the process of internationalization is also new strategic partnerships, arrival of new visiting professors, the Faculty's support for students' travel under the Erasmus+ programme and their other study stays abroad.

One proof of rich scientific life at the Faculty is the annual Student Scientific Conference (SVK), which every year allows scores of undergraduate as well as postgraduate students to present their scientific activity. The 20th year of the conference saw a record – 170 presentations entering the competition. As a new form of support for academic science, this year the Faculty for the first time offered the Excellent Publication Awards, which were granted to the five best scientific publications written by the Faculty staff members.

The first year passed of the scientific Centre of Tumour Ecology (CNE), which last year obtained finance for joint research of scientists in the field of tumour ecology for the period of five years. Its birthday was marked by the national scientific award called Česká hlava (Czech Head), won by Assoc. Prof. RNDr. Jana Brábek, Ph.D., of the Faculty of Natural Science of Charles University and the BIOCEV, who is concerned with research of migrastatics within the activity at the Centre.

A new feature in the doctoral (PhD) study programmes were considerable changes at the posts of Principal Guarantors of the study programmes and Chairpersons of particular Field Boards.

In 2019, the First Faculty of Medicine of Charles University had the pleasure in organizing the meeting and session of all Czech medical schools and their Slovak counterparts. The two-day event, held in Mariánské Lázně, was attended by 150 representatives from 13 Czech and Slovak medical schools. The plenary session and social evening were followed by proceedings in 11 sections and presentation of the common conclusions to the media. The faculties agreed on the support of a higher degree of co-operation between the universities as well as scientific research organizations; on establishment of new national centres to enable efficient concentration of financial and human resources; on the endeavour to keep the optimum students-to-teacher ratio in bedside training, and consequently the need in engaging more health care facilities in medical education; and also on the support of postgraduate education and specialty training for the graduates.

At the end of the last year, new members of the Academic Senate of the First Faculty of Medicine of Charles University were elected. The new senators are expected to produce a new stream in the faculty waters and a breath of fresh air in the academic environment. But right now we can say for sure that thanks to efforts of all of us the coming changes can be built on firm fundamentals. I really appreciate the work you have done and thank you, still considering the future challenges.



*Prof. MUDr. David Feltl, Ph.D., MBA
Director of General University Hospital*

2019 was a year of deep radical changes in General University Hospital. The Hospital management was replaced, a new strategy of development was outlined and a new system of control was introduced, from the top management down to particular units. The aim was fast stabilization of operation of the Hospital as a stepping stone to deeper re-structuring of the Hospital, on improvement of its general economic situation and subsequently on principal increase in investment activities. Thanks to the efforts of all the staff involved, this aim was achieved, which means a good jumping-off point for the coming years.

Apart from these dull down-to-earth agenda, we also considered the definition of an intermediate development strategy for the Hospital. We defined a new arrangement plan of the Hospital, based on principal re-organization of operation and centralization of some satellite units into the main area. We completely re-defined big investment projects, including the emergency admission centre, and started the preparations for a strategic capital investment – the new Building A 7. We are preparing a fair number of other projects as well – the list would be too long for this report, we are happy to say.

Considering the firm links of General University Hospital to the First Faculty of Medicine, we would like these changes to influence the medical education and joint research too. The new modern premises in Building A 8, which we are going to open this year, should bring more comfort for students. I hope that the top-level equipment including the latest imaging technology will give a momentum for extension of research activities, particularly in radio diagnostics, traumatology, cardiology and neurosciences. In a similar way we want conceive the other projects as well in order to strengthen the ties between the two institutions. Our priority is to provide a splendid clinical base for education and joint research, which are activities that provide a great scientific potential as well as the chance of professional development for the best of our staff members.



*Prof. MUDr. Miroslav Zavoral, Ph.D.
Director of Military University Hospital Prague*

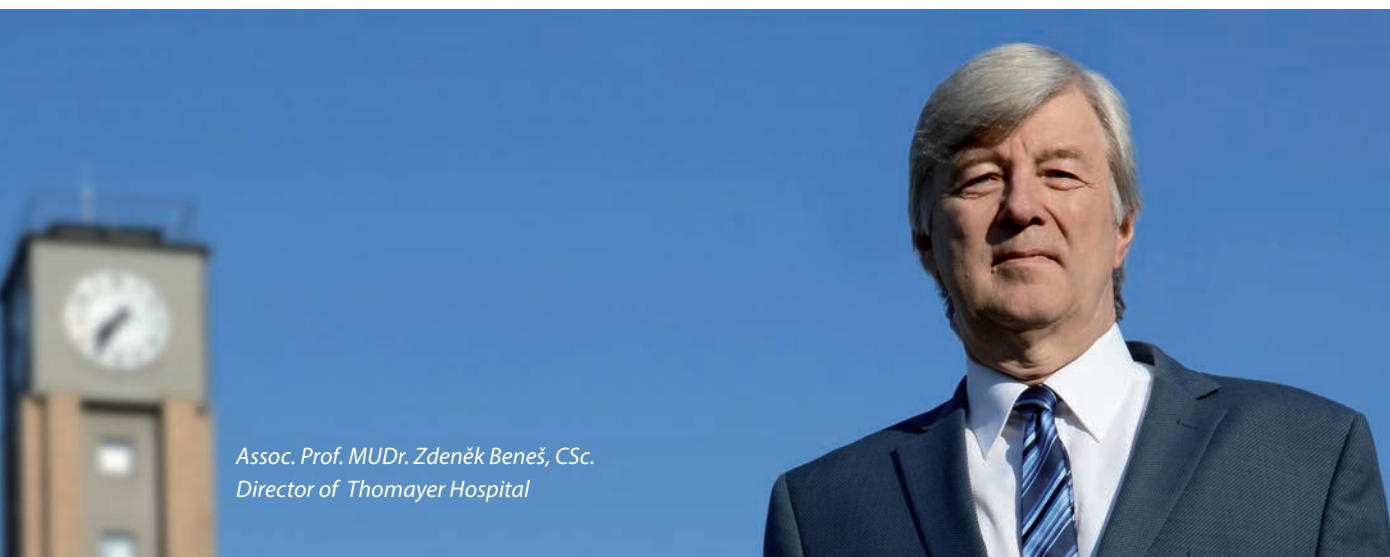
Ladies and gentlemen, in this Annual Report of the First Faculty of Medicine of Charles University, it is my pleasant duty to summarize the joint activities, links and co-operation of the Faculty with Central Army Hospital – Military University Hospital (ÚVN) in 2019. The co-operation between the Hospital and the First Faculty of Medicine can build on more than 60 years of past experience. The Hospital co-operates with all medical faculties of Charles University but the co-operation with the First Faculty of Medicine is definitely the most extensive. Out of the present-time 10 departments of the Hospital, seven are units of the First Faculty of Medicine at the same time. All of them are highly specialized facilities that enjoy good nation-wide and international reputation.

At the departments of Military University Hospital, many top quality specialists are active, who are experts respected in professional circles in Czechia as well as in the international forum, passing their knowledge and experience on students of the First Faculty of Medicine. Last year, more than 1,600 students from the third to sixth year of all three medical faculties in Prague passed their clinical placements at Military University Hospital. One half of them were students of the First Faculty of Medicine. Their education involved both the theoretical and practical form. At the Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague, for example, undergraduate training in the fields of gastroenterology and internal medicine for 5th and 6th year students of the First Faculty of Medicine took place, and further the clerkship before the State Examination in the subject of Internal Medicine took place here for the 6th year students, including the practical exam. In the academic year 2018-2019, tuition for 89 students was held this way. Further, we provided practical training in English language for 25 international students who arrived in exchange programmes of ERASMUS and IFMSA under inter-university agreements with the First Faculty of Medicine. The Diabetology Centre of the Hospital performed undergraduate training for 6th year students of the First Faculty of Medicine as well as pre-attestation training in the fields of diabetology, endocrinology and gastroenterology. Another unit that is indispensable in co-operation with the First Faculty of Medicine as its only training facility in the field of neurosurgery is the Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital Prague. For the students it organized two educational cycles in 2019, in both Czech and English languages. In Czech language, 300 students passed clinical placements at the Department of Neurosurgery, and another 120 passed the two placement blocks provided in English language. In training of the First Faculty of Medicine in the field of infectious diseases, our Department of Infectious Diseases, First Faculty of Medicine, Charles University and Military University Hospital Prague took an active part. In the academic year 2018-2019, the total number of students taught there was 436. The Department secured the bulk of the core subject Infectious Diseases for fourth year of the Master study programme of General Medicine, in both Czech and English languages. Hundreds of students were taught at other departments in 2019 – department of orthopaedics, which shared tuition in normal and clinical anatomy of the locomotor system with the Institute of Anatomy of First Faculty of Medicine, the eye department and the Department of Anesthesiology and Intensive Care, First Faculty of Medicine, Charles University and Military University Hospital Prague, which participated, for example, in tuition in Anaesthesiology and Emergency Medicine, as well as in tuition in emergency medicine and management of disasters and mass accidents. The co-operation between the Hospital and the First Faculty of Medicine also included the sphere of science. During the year 2019, for instance, programmes of development of scientific areas at Charles University (PROGRES) continued. Under this scheme, the Comprehensive Oncological Programme was performed at the Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague, together with some other units invited. Also the Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital Prague continued the research under the PROGRES project – they participated in two areas of research,

particularly in Psychoneuropharmacologic Research and in Complication of Metabolic Diseases.

In 2019, we also shared some social activities with the First Faculty of Medicine of Charles University. Some personalities of our Hospital were happy to accept invitation to the Chair for Faust talk show, and we organized the joint press conference on the topic Physicians and scientists observe the Brain Tumour World Day. Under the auspices of the Dean of the First Faculty of Medicine of Charles University, some congresses were held that took place at Military University Hospital, for example in October 2019, the 8th congress Anaesthesia and intensive care under extraordinary conditions, was held under the auspices of Prof. MUDr. Aleksi Šedo, DrSc.

Now, dear friends, last but not least I have to appreciate the splendid co-operation, mutual support, approval, respect and collegiality. The links between the Military University Hospital and the First Faculty of Medicine of Charles University mean a great asset for academic medicine. I believe that in the following period we will mutually continue our correct and highly professional relations, and together contribute to the development of modern medicine and its potential. I wish and hope we will have enough strength and energy to achieve the goal.



*Assoc. Prof. MUDr. Zdeněk Beneš, CSc.
Director of Thomayer Hospital*

Dear students and prospective colleagues,

Another year has passed, and instead of 2019 there is a new year, 2020. Alas, the turn of the year brought the beginning of a difficult period, marked with the outbreak of the corona virus. Now the pandemic effects all spheres of human life and it is the health service that bears the heaviest burden. For most health care professionals this viral infection is the most difficult challenge of their professional life. They fight against an invisible enemy, so far without any effective “weapon” such as a vaccine or medication. More time and more research is needed to show whether we can efficiently fight against the epidemics or at least manage it to some extent, with some therapeutic effect. I intentionally began my introduction with this topical issue, which involves all of us and in future may involve you too – as prospective physicians, scientists and generally professionals dealing with health issues of that kind, be it in the aspect of science or medicine as such.

I am really glad to contribute to the Annual Report of the First Faculty of Medicine of Charles University again and inform you about recent developments in our Thomayer Hospital (TN). I am sure you all know well that our Hospital is a long-standing co-operator of Charles University and its medical faculties. And it is you, prospective doctors, that are offered professional background at our selected premises, including professional tutoring by the health care staff in the Hospital, in particular at our departments shared with the Faculty, which are all available to you. I mean, for example, the departments of Pneumology, Paediatrics, Oncology etc. Although we were denied the name of university hospital, we have never resigned the academic environment and role of a university hospital, as this is of special importance to us in view of our health care activity. Our Scientific Board includes, apart from our clinical experts, also prominent academic staff members of particular medical schools.

We co-ordinate our operation in health care with research and educational tasks, also assisted by you – students of medical faculties. Using this occasion, I'd like to express my thanks for your dedicated work and help, particularly in our screening tent, opened in April 2020 to test outpatients that are subject to compulsory testing for the corona virus. Your help was really important and indispensable for our staff.

Last year was exciting and demanding in many respects. We managed to organize many investments and other useful activities. To give some examples, I can mention just the opening of the renovated ward at the Department of Children's Surgery and Traumatology. After many years of hard work, this reconstruction was finished thanks to the Kolečko Charity Fund and sponsorship of TV Prima, and it enabled us to extend the premises of the Department and thereby provide more comfort to children patients and their parents. This project, however, is not yet the end of the way, as there are many other investment projects in the pipeline. For the nearest future, we prepare, for example, reconstruction of several buildings, the planned complete refurbishing of the lung department and the future construction of a new central emergency admission. Everything, however, will depend on financial resources of the Hospital and our patron. In the first half of October 2019, the Hospital again received the important Certificate of Quality and Safety for another three years, issued by the Czech Society for Accreditation in Health Services. Certainly worthwhile of mention is the award granted to prominent scientists, artists and athletes by Mr. Jaroslav Kubera, the Chairman of the Senate of the Czech Republic, on 27th September 2019, on the occasion of the National Day. One of those who received the silver medal was Prof. MUDr. Renata Cífková, CSc., the Head Consultant of our Centre of Cardiovascular Disease Prevention.

Last but not least, I would like to say that with the development of our Hospital we want to continue the intensive co-operation with the medical faculties, which is a long-standing tradition, very important for us. The top staff of our clinical

units joined with the First Faculty of Medicine of Charles University are all experts in their respective fields, willing to carry on their co-operation with the academic community.

In conclusion I would like to wish our students a lot of success in life and study in the following year, and those who are just completing their studies and closing the student period of their life, a good start in medicine and a lucky choice of their first job. Why not in our Thomayer Hospital, after all?



Mgr. Jan Kvaček
Director of Na Bulovce Hospital

In terms of capacity, Na Bulovce Hospital ranks among the biggest health care facilities of its kind in the territory of the Czech Republic. Above all, it provides diagnostic and therapeutic care to the population of the capital city of Prague but, considering the presence of several highly specialized units, it caters for patients from all the Czech Republic. The Hospital comprises 16 departments, seven clinical departments that provide tuition for students of all three Prague medical faculties of Charles University, and also two institutes. An inseparable part is the laboratory complex with a microbiological, virology and parasitological section. The laboratory complex also includes a routine laboratory for biochemistry and haematology. Apart from departments and clinics that provide classic therapeutic care the Hospital offers medical social services and psychological care. In 2019, the total of 38,890 persons were admitted as in-patients and another 684,236 were treated as out-patients. There were 14,247 surgeries and 2,049 deliveries.

Na Bulovce Hospital is also one of the selected health care, scientific and research institutions appointed by the Ministry of Health of the Czech Republic. Health care facilities of the Hospital are included in the teaching base of medical and other faculties, the Institute of Postgraduate Education in Health (IPVZ), or other institutions for education of physicians and other health professions, and it performs basic and clinical research.

In 2019, the management of the Hospital focused on stabilization of the economy, transparency of cash flow, renovation of the premises, development of some selected units and solution of the lack of the staff.

Since the autumn 2019, the Hospital has been intensively negotiating the issue of regaining the status of a university hospital, with the aim of long-term development and extension of the scope of units shared with the university.



*JUDr. Ing. Miloslav Ludvík, MBA
Director of University Hospital Motol*

Dear friends,

I was asked to contribute to the Annual Report of the First Faculty of Medicine of Charles University. The Faculty and University Hospital Motol, whose director I have been for long years, are traditionally long-term co-operators. This is mainly thanks to the fact that the adult part of the Hospital houses four joint clinical units. These are big units, both in the aspect of the number of the staff and the reputation.

The 3rd Surgical Department, led by Professor Lischke, is a centre of high excellence in the field of thoracic surgery in the Czech Republic and the only centre in the country that performs lung transplantations. At the same time, it is the centre for treatment of soft tissue sarcomas. The programme of transplantations was extended on patients from the Slovak Republic as well, and the Department now ranks among “high capacity” centres, whose number in whole Europe is only eight. The unit is involved in several international research studies and in 2019 its physicians received the Jedlička Award from the Czech Surgical Society of the J. E. Purkinje Medical Society for a publication issued in 2018.

The ENT and Head and Neck Surgery, led by Professor Plzák, provides a comprehensive scope of investigations and treatments for diseases of the ear, nose and throat areas. Physicians of this department take part in a fair number of national and international scientific conferences, in many cases as their organizers or co-organizers. In addition, they won several prestigious awards, such as the first prize of the journal *Otorinolaryngologie a foniatrie* [ENT and Phoniatics] for 2018 in the category of case studies, and the Kutvirt Award for the publication *Silent Sinus Syndrome* for 2018 (both prizes awarded in 2019) in the category for scientists under 35 years of age. Professor Zvěřina received honorary membership of the Society of Otorhinolaryngology and Head and Neck Surgery of the Czech Medical Society. The department also provides development aid co-operation under the Medevac programme, e.g. in Senegal.

The First Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol, led by Professor Landor, which provides conservative and surgical treatment of adult patients in the whole scope of orthopaedic procedures, including traumatology and care of septic patients. It is another shared unit that the Hospital can rightfully boast. The department scored a fair number of publications abroad and is active in international co-operation in the spheres of research and development, e.g. in development of a new artificial replacement of the ankle, co-operating on the international publication *Rebalance Ankle*.

The Department of Spondylosurgery, First Faculty of Medicine, Charles University and University Hospital Motol is a centre of nation-wide importance for treatment of spine injuries and conditions in children as well as adults. This department, led by Professor Štulík, is famous for its highly efficient and superspecialized care, above all in management of tumour conditions, degenerative disorders, inflammatory diseases and inborn or acquired deformities. It also won a fair number of awards and successes in the field of scientific research. Let us mention at least the 2018 Zahradníček Award from the Czech Society for Orthopaedics and Traumatology, granted for the study *Surgical treatment of high-grade highly dysplastic spondylolisthesis in young adults* (by Štulík, Nesnídal, Kozelnická and Barna).

In conclusion, I would like to appreciate the flawless long-standing direct co-operation of the management of the Hospital with the Dean Office of the First Faculty of Medicine of Charles University and express my deep belief in its successful continuation.



*Prof. MUDr. Přemysl Strejc, DrSc.
Chairman of Academic Senate of the First Faculty of Medicine of Charles University*

What we can consider as the most important event of the past period in the life of the Academic Senate was the Convention of Medical Schools of the Czech Republic and the Slovak Republic in Mariánské Lázně on 25th and 26th October 2019, which was organized by our First Faculty of Medicine. In the section “Academic senates and legislation” our Academic Senate was represented by Přemysl Strejc and Martin Vejražka. The agenda was the methods and results of studies with a special focus on gaining clinical skills. It is necessary to define the target competences of a medical school graduate and to adjust the curriculum so that they will be achieved; to support clinical fields and prepare them for the growing numbers of students; to take in consideration of communicative skills, including the relation between the teacher and the student.

Academic senates support the endeavours to achieve inclusion of work for a medical faculty in the position of an assistant or doctorand in previous professional experience for the purposes of pre-attestation training of doctors in their specialization training.

Academic senates support the “third role” of universities – dissemination of knowledge and values, so that they will reflect the contemporary development of the society and showed the latest scientific knowledge.

Academic senates will support the examiner’s position in quarries when a student complains of the course of examination, protect the examiner more and expose non-ethical conduct during examinations. An exam should evaluate not only the students’ knowledge but also their skills, including the student’s communicative skills demonstrated in examination. The major exams should therefore be performed not only in the form of tests in the written form.

Academic senates also remind that their membership is honorary and voluntary rather than sabbatical and does not involve any financial compensation.

COMPOSITION OF THE ACADEMIC SENATE (FOR THE TERM OF 2016–2019)

Chairman: Prof. MUDr. Přemysl Strejc, DrSc., **Vice-Chairwoman:** MUDr. Hana Dittrichová

Teachers’ representatives:

Prof. MUDr. Jan Bartoníček, DrSc.
Prof. MUDr. Petr Broulík, DrSc.
MUDr. Jan Bříza, CSc., MBA
Assoc. Prof. MUDr. Vilém Danzig, Ph.D.
Prof. MUDr. Zdeněk Krška, DrSc.
Prof. MUDr. Alois Martan, DrSc.
Prof. MUDr. Pavel Pafko, DrSc.
Prof. MUDr. Jiří Raboch, DrSc.
Prof. MUDr. Karel Smetana, DrSc.
Prof. MUDr. Přemysl Strejc, DrSc.
Prof. MUDr. Stanislav Štípek, DrSc.
Assoc. Prof. MUDr. Petra Tesařová, CSc.
Assoc. Prof. MUDr. Michal Vrablík, Ph.D.
Assoc. Prof. MUDr. Lukáš Zlatohlávek, Ph.D.
Assoc. Prof. MUDr. Jan Živný, Ph.D.

Students’ representatives:

Jan Bartoška
Ing. Mgr. Lukáš Dibdiak
MUDr. Hana Dittrichová
David Kulišiak
PaedDr. Josef Marcon
Tomáš Parváz Mirchi
Assoc. Prof. MUDr. Ondřej Naňka, Ph.D.
Alžběta Nováková
David Novotný
Martin Pehr
Assoc. Prof. MUDr. Vladimír Riljak, Ph.D.
MUDr. Petr Smejkal
Petr Tišer
František Vaňásek
MUDr. Martin Vejražka, Ph.D.

Academic Senate election (for the term 2019–2022)

On 20th and 21st November 2019, election to the Academic Senate of the First Faculty of Medicine of Charles University for the term 2019–2022 was held, which produced 30 new senators – 15 of them representing the academic staff and another 15 as student representatives. The constituent session of the new Academic Senate was held on 9th December 2019, and the new chairman elected was Prof. MUDr. Jan Betka, DrSc., and the vice-chairman Mr. David Kulišiák.

MANAGEMENT OF THE FACULTY

Dean: Prof. MUDr. Aleksi Šedo, DrSc.

Vice-Deans:

Prof. MUDr. Jana Dušková, DrSc., MBA,

Vice-Dean for Admission Procedures

Prof. MUDr. René Foltán, Ph.D.,

Vice-Dean for Stomatology / Dentistry

Prof. MUDr. Tomáš Hanuš, DrSc.,

Vice-Dean for Clinical Education

Prof. MUDr. David Sedmera, Ph.D., DSc.,

Vice-Dean for International Students and Social Affairs

Prof. RNDr. Libuše Kolářová, CSc.,

Vice-Dean for Grant Projects and Postgraduate Doctoral Studies

Ing. Ivan Mikula, Ph.D.,

Vice-Dean for Development of the Faculty

Prof. PhDr. Michal Miovský, Ph.D.,

Vice-Dean for Non-Medical Study Programmes

Assoc. Prof. MUDr. Martin Vokurka, CSc.,

Vice-Dean for Students' Affairs and Theoretical and Pre-Clinical Education

Assoc. Prof. MUDr. Pavel Klener, Ph.D.,

Vice-Dean for Scientific Activities

Members of Dean's Office Board:

Prof. MUDr. Jan Betka, DrSc.

Prof. MUDr. Zdeněk Krška, DrSc.

Prof. MUDr. Otomar Kittnar, CSc., MBA

Prof. MUDr. Alois Martan, DrSc.

Prof. MUDr. Pavel Martásek, DrSc.

Prof. MUDr. Karel Smetana, DrSc.

Ing. Eva Soubustová, MBA

Prof. MUDr. Jan Škrha, DrSc., MBA

MUDr. Martin Vejražka, Ph.D.

Assoc. Prof. MUDr. Jan Živný, Ph.D.

David Novotný – representative of students in the Academic Senate of the Faculty

David Kulišiák – representative of students in the Academic Senate of the Faculty

SCIENTIFIC BOARD

Chairman: Prof. MUDr. Aleksi Šedo, DrSc.

Prof. MUDr. Vladimír Bencko, DrSc.

Prof. MUDr. Vladimír Beneš, DrSc.

Prof. MUDr. Jan Betka, DrSc., till 4th December 2019

Assoc. Prof. Mgr. Karel Černý, Ph.D.

Prof. MUDr. Jan Daneš, CSc.

Prof. MUDr. Pavel Dundr, Ph.D.

Prof. MUDr. Pavel Dungal, DrSc.

Prof. MUDr. Jana Dušková, DrSc.

Prof. MUDr. René Foltán, Ph.D.

Prof. MUDr. Miloš Grim, DrSc.

Prof. MUDr. Zdeněk Hájek, DrSc.

Prof. MUDr. Jarmila Heissigerová, Ph.D., MBA,

Assoc. Prof. MUDr. David Hoskovec, Ph.D.

Prof. MUDr. Otomar Kittnar, CSc.

Assoc. Prof. MUDr. Pavel Klener, Ph.D.

Assoc. Prof. MUDr. Radim Kočvara, CSc.

Prof. RNDr. Libuše Kolářová, CSc.

Prof. MUDr. Ivan Landor, CSc.

Prof. MUDr. Robert Lischke, Ph.D.

Prof. MUDr. Soňa Nevšimalová, DrSc.

Prof. MUDr. Hana Papežová, CSc.

Prof. MUDr. Karel Pavelka, DrSc.

Assoc. Prof. MUDr. PhDr. Jan Payne, Ph.D.

Prof. MUDr. František Perlík, DrSc.

Prof. MUDr. Luboš Petruželka, CSc.

Prof. MUDr. Evžen Růžička, DrSc.

Prof. MUDr. Štěpán Svačina, DrSc.

Assoc. Prof. MUDr. Marek Šetina, CSc.

Prof. MUDr. Jiří Štork, CSc.

Prof. MUDr. Vladimír Tesař, DrSc.

Prof. MUDr. Marek Trněný, CSc.

Prof. MUDr. Libor Vitek, PhD.

Assoc. Prof. MUDr. Martin Vokurka, CSc.

Assoc. Prof. MUDr. Sergej Zacharov, Ph.D.,

Prof. MUDr. Jiří Zeman, DrSc.

Prof. MUDr. Aleš Žák, DrSc.

External members of the Scientific Board:

Prof. RNDr. Pavel Anzenbacher, DrSc.

RNDr. Martin Bilej, DrSc.

Prof. MUDr. Radim Brdička, DrSc.

Prof. MUDr. RNDr. Miroslav Červinka, CSc.

MUDr. Ján Dudra, Ph.D., till 19th May 2019
Prof. MUDr. David Feltl, Ph.D., since 15th October 2019
Assoc. Prof. MUDr. Vojtěch Hainer, CSc.
Prof. RNDr. Milan Kodíček, CSc.
Prof. MUDr. Milan Kolář, Ph.D.
Prof. MUDr. Zdeněk Kolář, DrSc.
MUDr. Jan Kopecký, DrSc., till 4th July 2019
RNDr. Jaroslav Kuneš, DrSc.
Assoc. Prof. MUDr. Beatrice Duchoňová Mohelníková, Ph.D.,
since 15th October 2019
Prof. MUDr. Jindřich Mourek, DrSc.

RNDr. Šárka Němečková, DrSc.
Prof. Ing. Rudolf Poledne, CSc.
Prof. MUDr. Roman Prymula, CSc.
Ing. Zdeňka Sedláková, CSc.
Assoc. Prof. RNDr. Ondřej Slabý, Ph.D.
Prof. MUDr. Martin Smrčka, Ph.D.
Prof. MUDr. Josef Syka, DrSc.
Prof. MUDr. Pavel Šlampa, CSc.
Assoc. Prof. MUDr. Jan Veverka, CSc.
Prof. Ing. Jiří Witzany, DrSc., till 14th October 2019
Assoc. Prof. MUDr. Pavel Zonča, Ph.D., till 14th October 2019

DEVELOPMENT OF THE FACULTY, ORGANIZATIONAL CHANGES AND COMPOSITION OF THE STAFF



*Ing. Ivan Mikula, Ph.D.
Vice-Dean for Development of the Faculty*

Development of the Faculty in the several past years, perhaps with the exception of Kampus Albertov project, has been predominantly tied to European structural funds. Considering the coming end of their programme period, most of the finance allocated has already been distributed in the past few years, and now the recipients of the subsidies, including our Faculty, are focused on solution of successful projects, due drawing of the subsidies allotted and meeting the proposed goals through filling the monitoring indicators. Seen from the outside, this part is less interesting but in the aspect of administrative load as well as Faculty's responsibility (both financial and social) it is even more demanding than the preparation of applications for these projects. Luckily, in this respect the Faculty possesses an extraordinarily efficient administrative machinery.

The expiring period of European Structural Funds was matched by the low number of new calls. In these, the Faculty managed to place four projects, in the sum total ca 50 million Czech crowns, most of which will be directed to our units that are included in the Czech Republic Travel Map of big infrastructures for research, experimental development and innovation. Within that, the Faculty participates in four centres out of the total ten that are focused on biomedicine.

In total, subsidies for the Faculty in this period have exceeded 500 million. In the next year, apart from due performance of the projects in course, preparation for the new programme period will be of most importance. Ideally, we should also participate in preparation of future Operational Programmes so that they will reflect real current needs of university education as well as academic science and research.

The work on the project of Kampus Albertov was carried on according to the schedule. In the past year, application was placed for the joint town planning decision and planning permission to secure the construction pits for archaeological research, as well as the application for the town planning decision concerning the both buildings – the Biocentre and the Globcentre. By the turn of the year, the joint town planning decision and planning permission became effective concerning the provisional refectory, which will be placed in the Elisabethinae convent garden, i.e. just next to the present building of the refectory it is meant to replace. Intensive work is in progress to prepare the detailed documents for the project, which will be needed to obtain the planning permission, the base of the future competitive choice of the construction firm.

Surely attractive for the Faculty staff and students will be the approval to the idea of establishing the Faculty's sports and wellness centre, including renovation and refurbishing of the gyms at our premises in Salmovská Street, which is planned for the next year.

In terms of organizational arrangement, 2019 saw only one change at the Faculty, as the Institute of Sexology, First Faculty of Medicine, Charles University and General University Hospital in Prague ceased to exist as an independent Faculty unit and since 1st January 2020 becomes operating as a part of the Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague.

Survey of changes in management of organizational units in 2019

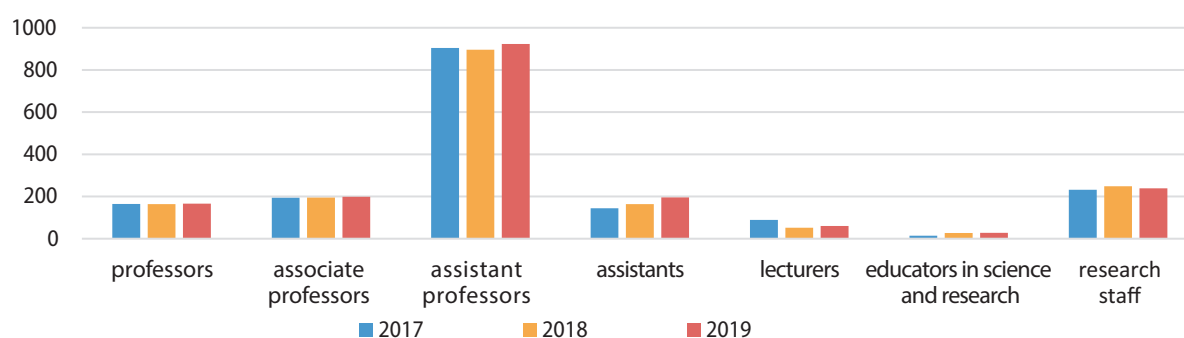
Unit	New Head / Manager
Department of Paediatrics, First Faculty of Medicine, Charles University and Thomayer Hospital	Assoc. Prof. MUDr. Martin Magner, Ph.D.
Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	Prof. MUDr. Jiří Chomiak, CSc.
3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	Prof. MUDr. Michal Kršek, CSc., MBA
4 th Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Prof. MUDr. Radan Brůha, CSc.
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University - the First Faculty of Medicine, and General University Hospital	Assoc. Prof. MUDr. Jan Bláha, Ph.D.
Department of Ophthalmology, First Faculty of Medicine, Charles University and Military University Hospital Prague	Assoc. Prof. MUDr. Martin Šín, Ph.D.

Number of scientific and educational staff between 2017 and 2019

	2017		2018		2019	
	actual number of staff	average converted	actual number of staff	average converted	actual number of staff	average converted
professors	165	109,084	164	112,263	166	114,263
associate professors	194	106,355	195	102,975	199	103,222
assistant professors	904	329,762	896	329,799	923	331,683
assistants	144	41,853	164	44,825	196	54,543
lecturers	89	25,625	52	22,338	60	20,088
educators in science and research	14	17,42	27	21,721	28	24,605
research staff	232	105,123	249	112,193	239	110,096
Total	1742	735,222	1747	746,114	1811	758,5

The actual number of staff is always stated by 31st December of the respective year

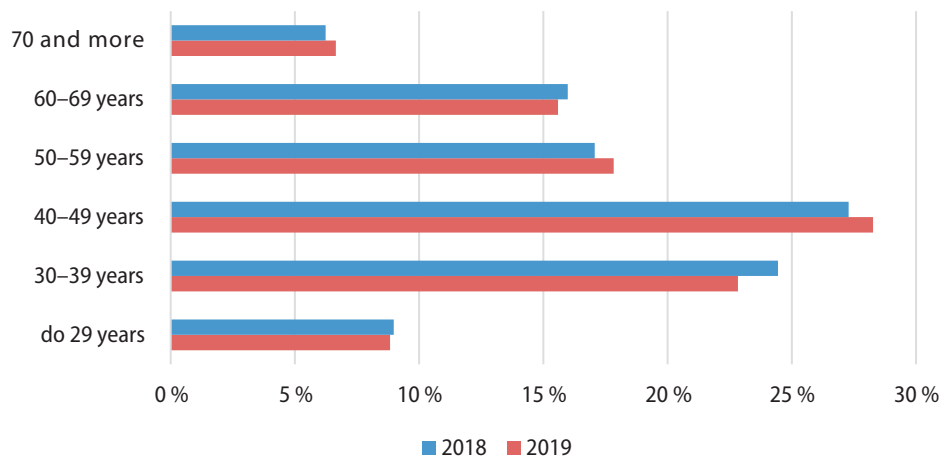
Composition of scientific and educational staff



Survey of composition of the staff by age in 2018–2019

Age	Percentage	
	2018	2019
under 29 years	8,98	8,83
30–39 years	24,44	22,83
40–49 years	27,29	28,27
50–59 years	17,07	17,83
60–69 years	15,98	15,59
70 and more	6,24	6,65
Total	100,00	100,00

Survey of composition of the staff by age





In 2019 the Scientific Board of the First Faculty of Medicine performed 11 procedures for appointment to professor posts, all of which were approved and proposals were passed to the Rector Office of Charles University for further procedures. The Scientific Board of Charles University in Prague discussed 10 proposals from the First Faculty of Medicine; all the proposals were approved and submitted to the Ministry of Education, Youth and Sports of the Czech Republic for further procedures. In 2019 the President of the Czech Republic appointed 7 new professors, who had passed the procedures of appointment at the First Faculty of Medicine. Further, the Scientific Board of the First Faculty of Medicine performed 15 habilitation procedures. In 2019, the Rector of Charles University appointed 17 Associate Professors who had passed the habilitation procedures at the First Faculty of Medicine of Charles University in Prague.

Numbers of appointment procedures passed in the Scientific Board of the First Faculty of Medicine between 1996 and 2019

Professors												
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
	7	1	5	0	7	7	7	13	11	14	15	13
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	7	9	7	12	19	6	9	7	6	9	9	11
Associate professors												
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
	11	14	12	3	10	15	16	16	16	18	17	17
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	17	12	18	7	16	18	15	10	17	16	17	15

Professors appointed in 2019

Name, establishment	Field	Scientific Board of Faculty	Scientific Board of University	Appointed with the effect from
Assoc. Prof. MUDr. Petra Tesařová, CSc. Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Oncology	24 Apr 2018	18 Oct 2018	23 May 2019

Name, establishment	Field	Scientific Board of Faculty	Scientific Board of University	Appointed with the effect from
Assoc. Prof. MUDr. Tomáš Honzík, Ph.D. Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	Pediatrics	30 Oct 2018	28 Feb 2019	28 Nov 2019
Assoc. Prof. MUDr. Roman Zachoval, Ph.D. Department of Urology, Thomayer Hospital Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague Department of Urology, Third Faculty of Medicine, Charles University and University Hospital Královské Vinohrady	Urology	30 Oct 2018	28 Feb 2019	28 Nov 2019
Assoc. Prof. MUDr. Michal Mára, CSc. Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Obstetrics and gynaecology	11 Dec 2018	28 Mar 2019	28 Nov 2019
Assoc. Prof. Ing. Tomáš Navrátil, Ph.D. Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine, and General University Hospital J. Heyrovský Institute of Physical Chemistry of Academy of Sciences of the Czech Republic	Medical chemistry and biochemistry	26 Feb 2019	30 May 2019	28 Nov 2019
Assoc. Prof. Ing. Ondřej Lebeda, Ph.D. Institute of Nuclear Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague Institute of Nuclear Physics of Academy of Sciences of the Czech Republic	Nuclear medicine	28 May 2019	27 June 2019	28 Nov 2019
Assoc. Prof. MUDr. Petr Hejna, Ph.D. Institute of Forensic Medicine of the Medical Faculty of Charles University and University Hospital Hradec Králové	Forensic medicine	25 June 2019	26 Sep 2019	28 Nov 2019



PROCEDURES FOR APPOINTMENT TO PROFESSOR POSTS AT THE SCIENTIFIC BOARD OF THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY IN 2019

Assoc. Prof. Ing. Tomáš Navrátil, Ph.D.

Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – the First Faculty of Medicine, and the General University Hospital

J. Heyrovský Institute of Physical Chemistry of Academy of Sciences of the Czech Republic

Appointment procedure in the field of: **Medical chemistry and biochemistry**

Scientific Board of the First Faculty of Medicine of Charles University on: 26 February 2019

Title of the lecture: Use of electrochemistry in clinical biochemistry

Scientific Board of Charles University on: 30 May 2019

Assoc. Prof. MUDr. Martin Prázný, CSc., Ph.D.

3rd Department of Internal Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague

Appointment procedure in the field of: **Internal medicine**
Scientific Board of the First Faculty of Medicine of Charles University on: 26 March 2019

Title of the lecture: Glycaemic variability: from possible contribution to vascular complications to the latest treatment for diabetes

Scientific Board of Charles University on: 30 October 2019

Assoc. Prof. MUDr. Marian Kacerovský, Ph.D.

Department of Obstetrics and Gynaecology of the Medical Faculty Hradec Králové and University Hospital Hradec Králové

Appointment procedure in the field of:

Obstetrics and gynaecology

Scientific Board of the First Faculty of Medicine of Charles University on: 26 March 2019

Title of the lecture: Premature rupture of membranes and intra-amniotic complications

Scientific Board of Charles University on: 28 November 2019

Assoc. Prof. MUDr. Jan Bělohávek, Ph.D.

2nd Department of Internal Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague

Appointment procedure in the field of: **Internal medicine**
Scientific Board of the First Faculty of Medicine of Charles University on: 30 April 2019

Title of the lecture: Extracorporeal cardiopulmonary resuscitation – translation from an experimental model to routine clinical practice

Scientific Board of Charles University on: 30 January 2020

Assoc. Prof. MUDr. Daniela Fischerová, Ph.D.

Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague

Appointment procedure in the field of:

Obstetrics and gynaecology

Scientific Board of the First Faculty of Medicine of Charles University on: 28 May 2019

Title of the lecture: Implementation of ultrasound to management of malign tumours in oncogynaecology

Scientific Board of Charles University on: 19 December 2019

Assoc. Prof. Ing. Ondřej Lebeda, Ph.D.

Institute of Nuclear Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague
Institute of Nuclear Physics of Academy of Sciences of the Czech Republic.

Appointment procedure in the field of: **Nuclear medicine**

Scientific Board of the First Faculty of Medicine of Charles University on: 28 May 2019

Title of the lecture: Theranostic concept and new radionuclides in nuclear medicine

Scientific Board of Charles University on: 27 June 2019

Assoc. Prof. MUDr. Petr Hejna, Ph.D.

Institute of Forensic Medicine of the Medical Faculty of Charles University and the University Hospital Hradec Králové

Appointment procedure in the field of: **Forensic medicine**
Scientific Board of the First Faculty of Medicine of Charles University on: 25 June 2019

Title of the lecture: Forensic diagnosis of generalized cold stress

Scientific Board of Charles University on: 26 September 2019

Assoc. Prof. MUDr. Tomáš Zelinka, CSc.

3rd Department of Internal Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague

Appointment procedure in the field of: **Internal medicine**
Scientific Board of the First Faculty of Medicine of Charles University on: 24 September 2019

Title of the lecture: Feochromocytom – tumor connecting endocrinologists and cardiologists

Scientific Board of Charles University on: 30 January 2020

Assoc. Prof. Ing. Jan Kremláček, Ph.D.

Institute of Medical Biophysics of Medical Faculty Hradec Králové

Institute of Pathological Physiology of Medical Faculty Hradec Králové

Appointment procedure in the field of:

Medical biophysics

Scientific Board of the First Faculty of Medicine of Charles University on: 22 October 2019

Title of the lecture: From psychophysics to functional resonance imaging: objectivization of visual perception

Scientific Board of Charles University on: 27 February 2020

Assoc. Prof. MUDr. Martin Vališ, Ph.D.

Department of Neurology of the University Hospital
and Medical Faculty Hradec Králové

Appointment procedure in the field of:

Neurology

Scientific Board of the First Faculty of Medicine of Charles
University on: 22 October 2019

Title of the lecture: Personalized medicine for disseminate
sclerosis

Scientific Board of Charles University on: 27 February 2020

Assoc. Prof. MUDr. Viktor Soukup, Ph.D.

Department of Urology, First Faculty of Medicine, Charles
University and General University Hospital in Prague

Appointment procedure in the field of: **Urology**

Scientific Board of the First Faculty of Medicine of Charles
University on: 26 November 2019

Title of the lecture: Establishing the prognosis and modern
endoscopic and non-invasive detection of urinary bladder
carcinomas

Scientific Board of Charles University on: 28 May 2020

Associate professors appointed in 2019

Name, institution	Field	Title of the thesis	Defended at Scientific Board of the Faculty	Appointed with the effect from
MUDr. Kristýna Němejcová, Ph.D. Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Pathology	Importance of modern diagnostic methods in gynaecopathology	30 Oct 2018	1 Jan 2019
MUDr. Ondřej Petrák, Ph.D. 3 rd Department of Internal Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	Internal medicine	Pheochromocytoma – metabolic and cardiovascular aspects	27 Nov 2018	1 Jan 2019
MUDr. Josef Včelák, Ph.D. Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	Orthopaedics	Surgical treatment of osteoporotic spinal fractures	27 Nov 2018	1 Jan 2019
MUDr. RNDr. Ondřej Bradáč, Ph.D. Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital Prague	Neurosurgery	Use of frameless stereotactic techniques in treatment of intrinsic brain tumours	11 Dec 2018	1 Feb 2019
MUDr. Petr Bušek, Ph.D. Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University	Medical chemistry and biochemistry	Multifunctional proteases dipeptidyl peptidase-IV and fibroblast activation protein as possible pathogenic factors, biomarker and therapeutic targets in cancer	11 Dec 2018	1 Feb 2019
MUDr. Lucie Muchová, Ph.D. Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – the First Faculty of Medicine, and General University Hospital	Medical chemistry and biochemistry	Biological effects of carbon monoxide	29 Jan 2019	1 Apr 2019
MUDr. Ján Rosa, Ph.D. 3 rd Department of Internal Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital	Internal medicine	Inflammation, malnutrition in illness and importance of nutrition support – from metabolism of nutrients to clinical practice	29 Jan 2019	1 Apr 2019
MUDr. Ondřej Fiala, Ph.D. Oncologic and Radiotherapeutic Department of the Medical Faculty of Charles University and University Hospital Plzeň	Oncology	Importance of selected predictive biomarkers for personalization of targeted therapy for patients with late-stage non-small-cell lung carcinoma	29 Jan 2019	1 Apr 2019
MUDr. Martin Bortlík, Ph.D. Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague ISCARE a.s.	Internal medicine	Biological therapy for idiopathic bowel inflammations in clinical practice	29 Jan 2019	1 Apr 2019

Name, institution	Field	Title of the thesis	Defended at Scientific Board of the Faculty	Appointed with the effect from
PhDr. Tomáš Alušík, Ph.D. Institute for History of Medicine and Foreign Languages, First Faculty of Medicine, Charles University	History of medicine	History of medicine and health state of population in Greece before 500 BC	26 Feb 2019	1 May 2019
Mgr. Kateřina Machová Poláková, Ph.D. Institute of Clinical and Experimental Hematology, First Faculty of Medicine, Charles University and Institute of Hematology and Blood Transfusion	Medical biology and genetics	Molecular genetics in diagnosis and research of chronic myeloid leukaemia	26 Mar 2019	1 June 2019
MUDr. Zlatko Pastor, Ph.D. Institute of Sexology, First Faculty of Medicine, Charles University and General University Hospital in Prague Department of Obstetrics and Gynaecology of the Second Faculty of Medicine and University Hospital Motol Institute for Further Education in Health National Institute of Mental Health	Sexology	Gynaecologic diseases and conditions as causes of some female sexual dysfunctions	30 Apr 2019	1 Aug 2019
MUDr. Anna Jonášová, Ph.D. 1 st Department of Internal Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Internal medicine	Myelodysplastic syndrome (MDS): recent knowledge and our contribution to research in pathogenesis and therapy for MDS	28 May 2019	1 Aug 2019
MUDr. Kamil Švabík, Ph.D. Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Obstetrics and gynaecology	Dysfunction of the pelvic floor and lower urinary pathways in women – implementation of modern diagnostics and approaches to individualization of surgical and conservative therapy	25 June 2019	1 Nov 2019
MUDr. Martina Zvěřová, Ph.D. Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague Hospital Na Homolce	Psychiatry	Cortisol as one of possible plasmatic biomarkers of Alzheimer's disease	25 June 2019	1 Nov 2019
MUDr. Aleš Hejčí, Ph.D. Faculty of Health Sciences, J. E. Purkinje University, Ústí nad Labem Neurosurgical Department of J. E. Purkinje University, Masaryk Hospital, Ústí nad Labem	Neurosurgery	Modelling of haemodynamics and its potential assets for surgical treatment of intracranial aneurysms	24 Sep 2019	1 Dec 2019
MUDr. Karol Zeleník, Ph.D. Department of Otorhinolaryngology and Head and Neck Surgery, Medical Faculty of Ostrava University and University Hospital Ostrava	Otorhinolaryngology	Role of extraesophageal reflux in aetiopathogenesis of upper respiratory tract diseases	24 Sep 2019	1 Dec 2019

HABILITATION PROCEDURES TO APPOINT ASSOCIATE PROFESSORS, PASSED IN THE SCIENTIFIC BOARD OF THE FIRST FACULTY OF MEDICINE AT CHARLES UNIVERSITY IN 2019

MUDr. Lucie Muchová, Ph.D.

Institute of Medical Biochemistry and Laboratory Diagnostics
of Charles University – the First Faculty of Medicine,
and General University Hospital

Habilitation procedure in the field of:

Medical chemistry and biochemistry

Scientific Board of the First Faculty of Medicine of Charles
University on: 29 January 2019

Title of the lecture: Biological effects of carbon monoxide

Appointed with the effect from 1 April 2019

MUDr. Ján Rosa, Ph.D.

3rd Department of Internal Medicine – Department of
Endocrinology and Metabolism, First Faculty of Medicine,
Charles University and General University Hospital in Prague

Habilitation procedure in the field of: **Internal medicine**

Scientific Board of the First Faculty of Medicine of Charles
University on: 29 January 2019

Title of the lecture: Inflammation, malnutrition in illness
and importance of nutrition support – from metabolism
of nutrients to clinical practice

Appointed with the effect from 1 April 2019

MUDr. Ondřej Fiala, Ph.D.

Department of Oncology and Radiotherapy of the Medical
Faculty of Charles University and University Hospital Plzeň

Habilitation procedure in the field of: **Oncology**

Scientific Board of the First Faculty of Medicine of Charles
University on: 29 January 2019

Title of the lecture: Importance of selected predictive biomarkers
for personalization of targeted therapy for patients with
late-stage non-small-cell lung carcinoma

Appointed with the effect from 1 April 2019

MUDr. Martin Bortlík, Ph.D.

Department of Internal Medicine, First Faculty of Medicine,
Charles University and Military University Hospital Prague

Institute of Pharmacology, First Faculty of Medicine,
Charles University and General University Hospital in Prague
ISCARE a.s.

Habilitation procedure in the field of: **Internal medicine**

Scientific Board of the First Faculty of Medicine of Charles
University on: 29 January 2019

Title of the lecture: Biological therapy for idiopathic bowel
inflammations in clinical practice

Appointed with the effect from 1 April 2019

PhDr. Tomáš Alušík, Ph.D.

Institute for History of Medicine and Foreign Languages,
First Faculty of Medicine, Charles University

Habilitation procedure in the field of: **History of medicine**

Scientific Board of the First Faculty of Medicine of Charles
University on: 26 February 2019

Title of the lecture: History of medicine and health state

of population in Greece before 500 BC

Appointed with the effect from 1 May 2019

Mgr. Kateřina Machová Poláková, Ph.D.

Institute of Clinical and Experimental Hematology,
First Faculty of Medicine, Charles University and Institute

of Hematology and Blood Transfusion

Habilitation procedure in the field of:

Medical biology and genetics

Scientific Board of the First Faculty of Medicine of Charles
University on: 26 March 2019

Title of the lecture: Molecular genetics in diagnosis and
research of chronic myeloid leukaemia

Appointed with the effect from 1 June 2019

MUDr. Zlatko Pastor, Ph.D.

Institute of Sexology, First Faculty of Medicine,
Charles University and General University Hospital in Prague

Department of Obstetrics and Gynaecology of the Second
Faculty of Medicine and University Hospital Motol

Institute for Further Education in Health

National Institute of Mental Health

Habilitation procedure in the field of: **Sexology**

Scientific Board of the First Faculty of Medicine of Charles
University on: 30 April 2019

Title of the lecture: Gynaecologic diseases and conditions
as causes of some female sexual dysfunctions

Appointed with the effect from 1 August 2019

MUDr. Anna Jonášová, Ph.D.

1st Department of Internal Medicine – Department of
Haematology, First Faculty of Medicine, Charles University
and General University Hospital in Prague

Habilitation procedure in the field of: **Internal medicine**

Scientific Board of the First Faculty of Medicine of Charles
University on: 28 May 2019

Title of the lecture: Myelodysplastic syndrome (MDS): recent
knowledge and our contribution to research in pathogenesis
and therapy for MDS

Appointed with the effect from 1 August 2019

MUDr. Kamil Švábík, Ph.D.

Department of Obstetrics and Gynaecology, First Faculty
of Medicine, Charles University and General University
Hospital in Prague

Habilitation procedure in the field of:

Obstetrics and gynaecology

Scientific Board of the First Faculty of Medicine of Charles
University on: 25 June 2019

Title of the lecture: Dysfunction of the pelvic floor and lower
urinary pathways in women – implementation of modern
diagnostics and approaches to individualization of surgical
and conservative therapy

Appointed with the effect from 1 November 2019

MUDr. Martina Zvěřová, Ph.D.

Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague
Nemocnice Na Homolce

Habilitation procedure in the field of: **Psychiatry**

Scientific Board of the First Faculty of Medicine of Charles University on: 25 June 2019

Title of the lecture: Cortisol as one of possible plasmatic biomarkers of Alzheimer's disease

Appointed with the effect from 1 November 2019

MUDr. Aleš Hejčl, Ph.D.

Faculty of Health Sciences, J. E. Purkinje University, Ústí nad Labem

Neurosurgical Department of J. E. Purkinje University, Masaryk Hospital, Ústí nad Labem

Habilitation procedure in the field of: **Neurosurgery**

Scientific Board of the First Faculty of Medicine of Charles University on: 24 September 2019

Title of the lecture: Modelling of haemodynamics and its potential assets for surgical treatment of intracranial aneurysms

Appointed with the effect from 1 December 2019

MUDr. Karol Zeleník, Ph.D.

Department of Otorhinolaryngology and Head and Neck Surgery, Medical Faculty of Ostrava University and University Hospital Ostrava

Habilitation procedure in the field of: **Otorhinolaryngology**

Scientific Board of the First Faculty of Medicine of Charles University on: 24 September 2019

Title of the lecture: Role of extraoesophageal reflux in aetiopathogenesis of upper respiratory tract diseases

Appointed with the effect from 1 December 2019

Mgr. Ondřej Bezdíček, Ph.D.

Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague

Habilitation procedure in the field of: **Medical psychology**

Scientific Board of the First Faculty of Medicine of Charles University on: 22 October 2019

Title of the lecture: Memory disturbance in synucleinopathies:

From preclinical stages to Parkinson's disease

Appointed with the effect from 1 January 2020

MUDr. Tomáš Uher, Ph.D.

Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague

Habilitation procedure in the field of: **Neurology**

Scientific Board of the First Faculty of Medicine of Charles University on: 26 November 2019

Title of the lecture: Clinical use of measurement of brain atrophy in disseminated sclerosis

Appointed with the effect from 1 March 2020

MUDr. Jan Kříž, Ph.D.

3rd Department of Internal Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague
Institute of Clinical and Experimental Medicine – Department of Diabetology

Habilitation procedure in the field of: **Internal medicine**

Scientific Board of the First Faculty of Medicine of Charles University on: 26 November 2019

Title of the lecture: New procedures in transplantation and imaging of islets of Langerhans

Appointed with the effect from 1 March 2020

Survey of specialties to perform habilitation procedures and procedures for appointment to professor posts at the First Faculty of Medicine of Charles University and validity of their accreditations

Specialty:	Right to perform habilitation procedures till:	Right to perform procedures to appoint professors till:
Anaesthesiology and resuscitation	15 Sep 2029	15 Sep 2029
Anatomy, histology and embryology	13 Oct 2029	13 Oct 2029
Bioethics	11 Feb 2025	11 Feb 2025
Cardiosurgery	31 May 2022	31 May 2022
Clinical biochemistry	1 Aug 2029	1 Aug 2029
Dermatovenereology	7 Jan 2025	7 Jan 2025
Forensic medicine	13 Oct 2024	13 Oct 2024
History of medicine	31 July 2022	31 July 2022
Hygiene and epidemiology	15 Sep 2029	15 Sep 2029
Infectious diseases	31 Dec 2023	31 Dec 2023
Internal medicine	1 Nov 2023	1 Nov 2023
Medical biology and genetics	1 Aug 2029	1 Aug 2029
Medical biophysics	31 Dec 2023	31 Dec 2023
Medical chemistry and biochemistry	31 Dec 2023	31 Dec 2023
Medical immunology and microbiology	1 Aug 2029	1 Aug 2029

Specialty:	Right to perform habilitation procedures till:	Right to perform procedures to appoint professors till:
Medical informatics	14 Aug 2029	14 Aug 2029
Medical pharmacology	11 Aug 2029	11 Aug 2029
Medical physiology	31 Dec 2023	31 Dec 2023
Medical psychology	15 Sep 2029	15 Sep 2029
Neurology	31 Dec 2023	31 Dec 2023
Neurosurgery	15 Sep 2029	15 Sep 2029
Nuclear medicine	15 Sep 2024	15 Sep 2024
Obstetrics and gynaecology	31 Dec 2023	31 Dec 2023
Occupational medicine	31 Dec 2023	31 Dec 2023
Oncology	15 Sep 2029	15 Sep 2029
Ophthalmology	1 Nov 2023	1 Nov 2023
Orthopaedics	31 Dec 2023	31 Dec 2023
Otorhinolaryngology	15 Sep 2029	15 Sep 2029
Paediatrics	10 Dec 2029	10 Dec 2029
Pathological physiology	13 Oct 2029	13 Oct 2029
Pathology	7 Jan 2030	7 Jan 2030
Psychiatry	15 Sep 2029	15 Sep 2029
Radiology	31 Dec 2023	31 Dec 2023
Sexology	7 Jan 2025	7 Jan 2025
Stomatology	11 Feb 2030	11 Feb 2030
Surgery	1 Nov 2023	1 Nov 2023
Urology	1 Nov 2023	1 Nov 2023



EDUCATION

At present, the First Faculty of Medicine of Charles University provides undergraduate university-level education in the following educational study programmes and fields:

- Master study programme of General Medicine and Dentistry
- Bachelor studies in the study programmes of Addictology, Physiotherapy, Occupational therapy, Nutritional therapy, Midwifery
- Follow-up Master studies in the study programmes of Addictology, Intensive care, Occupational therapy, Specialist nutritional therapy

Study programmes of Addictology, Nutritional therapy, Specialist nutritional therapy and Intensive care can be studied in the combined form as well.

The study programmes of General Medicine and Dentistry are taught in both Czech and English languages. The tuition in English language is meant above all for international students, paying for the course.

The Faculty plays a distinctive role in post-graduate certification training as well as in supervising Ph.D. doctoral studies in co-operation with the other faculties of Charles University and the Academy of Sciences of the Czech Republic as well as with educational institutions of the Ministry of Health, and takes an extensive part at specialization professional (pre-certification) training.

The First Faculty of Medicine ranks among the founders of the Third-Age University; these studies here have been in course since 1987 without interruption.

The Faculty also assists some other faculties in education of their students and provides them with integral training in the form of courses in some subjects, including examination.

ORGANIZATION OF STUDIES

The study at the Faculty is divided into one-year sections, and for evaluation of the progress the system of credit points is used. When enrolling for a section of studies, a student registers for compulsory subjects of the given year of studies but at the same time has the option of choice from a list of 379 facultative subjects, 75 of which are taught in English language.

ENTRANCE PROCEDURES AND CO-OPERATION WITH PROSPECTIVE STUDENTS

New students of General Medicine for the academic year 2019-2020 were admitted by the scores of written tests in physics, chemistry and biology. As usual, results of the applicants' secondary school studies were taken into consideration through bonus points for taking Czech in the full scope throughout the secondary studies, and mathematics also in the full scope throughout the secondary studies, but beyond that, with the marks "excellent" or "very good". Some of the students were admitted to the programmes of General Medicine and Dental Medicine on the basis of excellent study results of their secondary education, without doing the entrance tests.

There were 3,037 applications for the entrance procedure for the studies of General medicine and Dentistry, and 1,860 applications for Bachelor programmes and follow-up Master programmes.

Without the entrance tests, 472 applicants were admitted to study General Medicine (those with average secondary school marks at 1.13 or below), and 8 applicants for the Bachelor studies of Physiotherapy, 60 applicants to study dental medicine (with average secondary school marks at 1.00) and 5 applicants for bachelor studies in physiotherapy as well. In the entrance procedures for the academic year 2019-2020, fifteen per cent more students were admitted for the studies of General Medicine than in the years before. Entrance exams for the programmes of General Medicine and Dentistry were shortened as the number of questions in biology, chemistry and physics was reduced to 70. To secure objective evaluation, all persons tested received stickers with a special QR code generated to identify their personal sheets and answer sheets.

Entrance procedures for Bachelor and follow-up Master programmes were only performed in biology, or with tests focused on the applicants' knowledge gained at the Bachelor stage of the studies, respectively. Only the Bachelor programme of addictology included a special test in basic addictology, which was to predict the applicants' interest in the field.

Within the term provided by law, the Faculty received 85 appeals from those who failed in the entrance procedures. In the appellate procedures, the Rector Office of Charles University allowed none of the appeals but – vice versa – confirmed all of the Dean's decisions of denial in admission.

For those wishing to apply for studies, the Faculty has been providing preparatory classes in those subjects that are included in the entrance examination tests; in one of the courses the basic Latin was taught as well. On Saturday 5th January 2019, the traditional Open Day took place at the Faculty. The Faculty also took part in the University's Info Day in November and presented its study programmes at the Gaudeamus education fair as well as the Fair of Prague Schools of Public Higher Education.

Survey of the number of applicants and their results

Academic year	Branch of study	Number of applicants	Number of those examined	Enrolled out of the admitted	Limit for admission (points)	Maximum score	Limit rate in the test	Number of appeals	Appeals out of those examined (per cent)	Appeals out of those not admitted (per cent)
2011/2012	General Medicine	2694	1841	649	151	300	50,33	166	9,02	22,72
	Dental Medicine	1124	893	72	253	300	84,33	62	6,94	7,55
	Total	3818	2734	721				228	8,34	14,95
2012/2013	General Medicine	3145	2403	488	183	300	61	131	5,45	6,84
	Dental Medicine	1312	1013	79	268	300	89,30	69	6,81	7,36
	Total	4457	3416	567				200	5,85	7,02
2013/2014	General Medicine	3273	2438	559	199	300	66,33	143	5,86	7,61
	Dental Medicine	1115	915	64	287	300	95,66	57	6,23	6,70
	Total	4388	3353	623				200	5,96	7,33
2014/2015	General Medicine	3580	2470	469	210	300	70	89	3,60	4,46
	Dental Medicine	1134	851	55	287	300	95,66	36	4,23	4,44
	Total	4714	3321	524				125	3,76	4,45
2015/2016	General Medicine	3555	2461	416	193	310	62,26	125	5,08	6,20
	Dental Medicine	1129	849	43	246	310	79,35	35	4,12	4,26
	Total	4684	3310	459				160	4,83	5,64
2016/2017	General Medicine	3290	2005	440	166	310	53,55	114	5,69	7,26
	Dental Medicine	972	664	44	223	310	71,94	15	2,26	2,65
	Total	4262	2669	484				129	4,83	5,20
2017/2018	General Medicine	3143	2446	370	180	320	56,25	70	2,86	4,51
	Dental Medicine	943	759	46	244	310	78,71	17	2,24	2,50
	Total	4086	3205	416				87	2,71	3,90
2018/2019	General Medicine	2560	1748	459	157	320	49,06	67	3,83	7,43
	Dental Medicine	676	482	50	258	310	83,23	11	2,28	2,71
	Total	3236	2230	509				78	3,50	5,96
2019/2020	General Medicine	3037	1794	539	122	270	45,19	49	2,73	6,05
	Dental Medicine	862	626	52	160	270	59,26	15	2,40	2,66
	Total	3899	2420	591				64	2,64	4,66

Survey of the number of applicants and their results – non-medical

Academic year	Field of study (FF full-time form, CF combined form)	Number of applicants	Number of those examined	Enrolled out of the admitted	Limit for admission (points)	Maximum score	Limit rate in the test	Number of appeals	Appeals out of those examined (per cent)	Appeals out of those not admitted (per cent)
2018/2019	Addictology – FF	139	107	29	80	150	53,33	1	0,93	1,43
	Addictology – CF	128	83	32	77	150	51,33	4	4,82	8,33
	Occupational therapy –FF	66	52	20	26	100	26,00	1	1,92	5,88
	Physiotherapy – FF	522	438	25	75	100	75,00	5	1,14	1,30
	Nutritional therapy – FF	258	212	22	58	100	58,00	5	2,36	2,98
	Nutritional therapy– CF	212	127	30	50	100	50,00	4	3,15	4,35
	Midwifery – FF	207	178	20	56	100	56,00	3	1,69	2,13
	Total	1532								
2019/2020	Addictology – FF	226	181	28	93	150	62,00	7	3,87	5,00
	Addictology – CF	130	72	34	71	150	47,33	0	0,00	0,00
	Occupational therapy –FF	88	74	15	42	100	42,00	3	4,05	7,69
	Physiotherapy – FF	577	443	35	69	100	69,00	6	1,35	1,59
	Nutritional therapy – FF	302	243	17	61	100	61,00	1	0,41	0,51
	Nutritional therapy– CF	174	104	30	47	100	47,00	1	0,96	1,49
	Midwifery – FF	207	168	14	51	100	51,00	2	1,19	1,61
	Total	1704								

STUDIES IN GENERAL MEDICINE

General Medicine is the core field of studies at the Faculty, and it takes six years. The first three years are mainly about theoretical and pre-clinical subjects while the second half of the studies is given to clinical subjects.

The studies are implemented in accordance with the recommended curricula. These are based on accreditation of the study programme but at the same time continuously evaluated in terms of content matter as well as structure so that they can reflect the development of science and the teachers and students' views. In 2019, a new accreditation of the study programme General Medicine was successfully completed at the Ministry of Health and forwarded to the Council for Internal Evaluation of Charles University.

Apart from compulsory subjects according to the curriculum, students have to register for some optional subjects every year too, which they choose in the given year of their studies by their own preferences and interests. Credit points obtained in optional subjects must equal not less than 5 per cent of the total. Therefore, in each year of studies the student should obtain 3 credit points for optional subjects. The optional subjects are analysed every year by the Dean's Board and undergo regular innovations (involving introduction of new subjects as well as closing some subjects that are repeatedly not attended or withdrawn by their principal teacher). At the time the Faculty offers 379 optional subjects, 75 of which are meant for students of General Medicine in English language.

THEORETICAL AND PRE-CLINICAL STUDIES

Theoretical and pre-clinical studies take place in the first three years of studies. In the theoretical part, student learn about the basic medical terminology, composition of the human body (anatomy, histology) and its function (physiology, introduction to

immunology), biophysical, biochemical and biological processes, both at the level of the whole body and at the cellular and subcellular level. They are trained in basics of first aid and nursing, and during the summer vacations after the second year of studies they pass the clinical placement in basic patient care. In the third year, they learn about the basics of aetiology and development of pathologic processes (pathology, pathophysiology, pathobiochemistry, microbiology), and at the same time about the basics of clinical study (medical, surgical and radiodiagnostic propaedeutics, first part of pharmacology).

At the **Centre for Advanced Pre-clinical Imaging (CAPI)**, a new optional subject Weekend course of reconstructive and experimental microsurgery has been taught since the winter semester 2019-2020.

The **Institute of Pharmacology** continued the development of the programme for tuition of pharmacokinetics and TDM – PK EDU.

At the **Institute of biophysics and informatics**, practical classes changed under the project E- biophysics for the academic year 2019-2020. One half of them is about telemedicine (with “telecases” containing the sphygmomanometer, ECG set, pulse oxymeter, scales, stabilometer, glucometer) with the option of contactless data transfer to the Faculty's programme. The values measured by the students are uploaded directly in the prepared protocols and cannot be supplemented in any other way, which also enhances the students' activity and interest. New telemedical tasks were created. Another new feature in the practical classes is LCD optotypes with an active frame for ophthalmological investigation. Optic devices are complemented with an anatomical and functional model of the eyeball. Further, audiometry is used with a functional ear model and thanks to the educational ECHOZY for investigation of the abdomen with ultrasound, students can get a better orientation in abdominal sonography.



CLINICAL TEACHING

In 2019, the period of reconstruction of the curriculum started in clinical tuition at the First Faculty of Medicine. The departure point consisted in comparison of the curricula of particular medical schools in the Czech Republic and the Slovak Republic, then current results of evaluation of tuition by students, and last but not least, results of the statistically relevant opinion poll among alumni with valid output to be forwarded to the Dean's Board, Education Commission and Task Force for clinical tuition for further discussion. The priority goal of this reconstruction was and still is higher quality of clinical placements with more concentration on gaining practical experience and also concentration of all the subjects constituting the State Examination to the 6th year of studies. Representatives of students of the First Faculty of Medicine got spontaneously involved in the discussion about reconstruction of the curriculum as well, and they became a very active and competent constituent of the educationalist team, taking part in the upgrade of the curriculum.

Another characteristic feature of clinical education was extended implementation of simulator training and support for extracurricular activities at particular institutes and clinical departments. For example, at the Centre of Simulation Medicine of the Department of Anesthesiology and Intensive Care, First Faculty of Medicine, Charles University and Military University Hospital Prague, cannulation models were available, a torso for insertion of the central venous catheter, models for peripheral venous system, and a model for insertion of the central catheter. Thanks to commission of the new paediatric whole-body simulator ResuBaby, tuition of emergency resuscitation could be extended to training in specifics of algorithms for children's age. At the 1st Department of Surgery at General University Hospital, a simulator for mammological oncosurgery was purchased; the 3rd Department of Internal Medicine at General University Hospital introduced simulator training on catheterization and puncture models, and they possess a thyroid model including the FNAB simulator and the manikin to train throat ultrasound and thyroid puncture. The training laboratory of the Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – the First Faculty of Medicine and General University Hospital was equipped with new models of the arm

for venous blood sampling; simulators for training of surgical suture are used at the Department of Plastic Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital; the 3rd Department of Surgery, First Faculty of Medicine, Charles University and University Hospital Motol co-operates with the company Johnson & Johnson to provide the course of suture for medical students; and at the Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague every student gets the chance to train on both digital and mechanic simulators of laparoscopic surgery.

In 2019, evaluation of tuition took place at the Faculty's training bases beyond the General University Hospital as well. Discussion began concerning the preparation of a new medical department of the First Faculty of Medicine at the Hospital Na Bulovce.

At a fair number of clinical units, upgrade of the equipment continued (e.g. the rotation microtome at the dermatohisto-pathological laboratory operated under the Centre of Tumour Oncology at the Department of Dermatology at General University Hospital, etc.). Another improvement was seen in equipment of training premises of the Faculty's units with audiovisual technology, and correspondingly creation of new educative tools for distance learning (e.g. continuous completion of electronic multimedia atlas of skin conditions at the Department of Dermatology and Venereology, First Faculty of Medicine, Charles University and General University Hospital in Prague; introduction of the credit test or electronic collection of feedback from students by means of application Survey Monkey at the 3rd Department of Internal Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague; the novelty seen at the Department of Ophthalmology, First Faculty of Medicine, Charles University and Military University Hospital Prague was the teleconference from the Canadian Queen's University Hospital on the topic Oculoplastics for students of English parallel classes. At the clinical Department of Addictology, a project to promote the field of addictology was implemented, and promotional merchandise and advertising campaign created, including adverts in the metro and on trams in Prague.

One undoubted positive feature of 2019 in the sphere of clinical training was the effort to intensify co-operation between students and alumni and the Dean's Board, and also the endeavour to integrate the tuition in interdisciplinary, inter-clinic and inter-institute co-operation. This trend is a good message not only for our present as well as future students but it is also for the whole academic community it is a challenge and task that must be performed further.

Students – Czech nationals

Branch	1 st year	2 nd year	3 rd year	4 th year	5 th year	6 th year	7 th year	Total
General Medicine	420	262	200	205	218	261	7	1573
General Medicine in English language (paying students)	2	1			4	1		8
Dentistry	37	42	35	34	51			199
Dentistry in English language (paying students)	3				1			4
Nursing – combined		1	9					10
Midwifery	15	11	11					37
Addictology – full-time	27	26	25					78
Addictology – combined	40	23	25					88
Occupational therapy	14	20	23					57
Physiotherapy	30	22	31					83
Nutritional therapy – full-time	13	19	14					46
Nutritional therapy – combined	31	27	24					82
Master – Occupational therapy – full-time	6	13						19
Master – Intensive care – combined	3	63						66
Master – Nutritional therapy – full-time		27						27
Master – Nutritional therapy – combined	46	35						81
Master – Addictology – full-time	1	26						27
Master – Addictology – combined	51	34						85
Total	739	652	397	239	274	262	7	2570

Number of students by 31st October (of the respective year)

International students

Branch	1 st year	2 nd year	3 rd year	4 th year	5 th year	6 th year	7 th year	Total
General Medicine	68	69	59	75	81	83	3	438
General Medicine in English language (paying students)	152	93	120	106	92	82	1	646
Dentistry	8	5	8	8	8			37
Dentistry in English language (paying students)	21	14	19	12	13			79
Midwifery		4	1					5
Addictology – full-time	2	1	2					5
Addictology – combined	2		3					5
Occupational therapy								0
Physiotherapy	5	2	3					10
Nutritional therapy – full-time	5		2					7
Nutritional therapy – combined		2	1					3
Master – Occupational therapy – full-time		1						1
Master – Intensive care – combined	2	3						5
Master – Nutritional therapy – full-time		3						3
Master – Nutritional therapy – combined	3	1						4
Master – Addictology – full-time	1							1
Master – Addictology – combined								0
Total	269	198	218	201	194	165	4	1249

Number of students by 31st October (of the respective year)

Number of students enrolled for the first year of studies (out of the above)

Branch of study	Czech	International
General Medicine	469	70
General Medicine in English language (paying students)	2	142
Dentistry	44	8
Dentistry in English language (paying students)	3	19
Nursing – full-time	0	0
Nursing – combined	0	0
Midwifery	17	0
Addictology – full-time	27	2
Addictology – combined	33	1
Occupational therapy	16	0
Physiotherapy	33	5
Nutritional therapy – full-time	15	5
Nutritional therapy – combined	30	0
Master – Occupational therapy – full-time	0	0
Master – Intensive care – combined	0	0
Master – Nutritional therapy – full-time	0	0
Master – Nutritional therapy – combined	45	3
Master – Addictology – full-time	0	0
Master – Addictology – combined	42	1
Total	776	256

Number of students by 31st October (of the respective year)

Number of Czech students / Number of international students	2011	2012	2013	2014	2015	2016	2017	2018	2019
General Medicine	1877/655	1780/588	1878/648	1839/682	1779/614	1717/613	1584/534	1509/504	1573/438
General Medicine in English language (paying students)	613	606	667	597	8/589	8/670	6/687	7/731	8/646
Dentistry	334/47	358/55	345/58	314/54	280/54	234/56	206/49	199/39	199/37
Dentistry in English language (paying students)	98	110	102	81	3/82	3/75	2/79	2/80	4/79
Nursing – full-time	53/8	46/5	47/2	25/1	22/7	14/3	9/2	-/-	-/-
Nursing – combined	138/9	131/8	115/9	99/7	98/5	78/2	55/2	26/1	10/0
Midwifery	-	-	-	-	28/-	35/1	48/3	44/6	37/5
Addictology – full-time	81/7	75/3	68/3	71/2	76/3	72/2	68/3	78/3	78/5
Addictology – combined	119/4	107/7	98/7	88/6	82/4	80/5	84/6	85/5	85/5
Occupational therapy	53/2	54/-	55/-	38/-	45/2	39/4	60/5	57/3	57/0
Physiotherapy	79/8	79/5	80/8	86/9	86/13	70/13	79/11	75/9	83/10
Nutritional therapy – full-time	54	59/-	65/2	71/5	62/8	51/6	56/9	62/5	46/7
Nutritional therapy – combined	-	44/1	72/1	103/4	93/5	93/12	86/8	81/7	82/3
Master – Occupational therapy – full-time	-	-	-	19/-	36/-	34/-	46/-	38/1	19/1
Master – Intensive care – combined	-	-	-	28/2	56/2	72/3	92/5	101/8	66/5
Master – Nutritional therapy – full-time	-	-	-	-	13/-	28/1	35/1	34/4	27/3
Master – Nutritional therapy – combined	-	-	-	-	30/1	54/1	65/4	66/4	81/4
Master – Addictology – full-time	54/1	57/3	57/4	56/6	52/3	52/2	40/-	37/-	27/1
Master – Addictology – combined	-	19/-	31/1	44/1	67/3	75/3	81/-	75/1	85/0
TOTAL number of students	4294	4200	4423	4338	4311	4281	4110	3987	3819

STUDIES IN DENTISTRY

In 2019, tuition in Dentistry (or Dental medicine) was, above all, focused on implementation of the new accreditation of the Master study programme. In education, we also began putting more stress on practical training at instruction rooms, and the number of practical procedures performed by students increased dramatically. This was mainly due to the real filling of the List of Practical Tasks Performed, known as the “Logbook”.

In that year we also made a dramatic change to practical training in English parallel classes of our programme. For practical training on patients we joined the Czech and English parallels. Despite of the initial doubts, this co-education proved really worthwhile. It improved the English parallel students’ communication ability in Czech language and the requirements to students were generally unified, so now the Czech parallel students can see that the requirements their English-speaking colleagues face are not different. Most welcome was this change by English parallel students.



*Prof. MUDr. Tomáš Hanuš, DrSc.
Vice-Dean for Clinical Education*



*Prof. MUDr. René Foltán, Ph.D.
Vice-Dean for Stomatology / Dentistry*

EDUCATION IN NON-MEDICAL HEALTH CARE FIELDS

Non-medical health care fields at the First Faculty of Medicine of Charles University entered the new year 2019 consolidated after the previous changes and crucial decisions implemented in the years before. These decisions reflect the conservative attitude of the Faculty to education in non-medical health fields, which gradually begins to produce the desired positive effect. This can mainly be seen at two levels. In the aspect of quality and discipline in these fields of study at the Faculty, there is an obvious decrease in both teachers' and students' complaints, the tuition as such improved, and so did its administrative support, which was really positively influenced by the extension of power and responsibility of the principals of the study fields. The trend towards decentralization of tuition in particular fields is reflected in higher devotion and motivation of the teams but also in better communication and contact with students. The distance between students and the base units of their study fields is undoubtedly shorter than that between them and the Dean Office, and the said process in general facilitates creating a better atmosphere and culture of communication. All that had a very positive impact on the total increase in the number of applications for studies of non-medical fields and the record-breaking number of visitors to the Open Day for non-medical study programmes. In some fields, such as nutritional therapy or addictology, the increase is historically unprecedented, and – apart from the traditionally much-sought programme of physiotherapy – the competition and hence the quality of students in the core of non-medical fields.

For the field of nutritional therapy, 2019 was also crucial, as accreditation of the follow-up Master programme of Specialist nutritional therapy was in progress, by the way concurrently with accreditation of the postgraduate doctoral programme in the same field. So we are following the trend towards creation of complex study programmes as promoted by the Faculty management in the past years. Therefore, we try to offer a lower number of programmes but in these programmes we pursue as high quality as possible, and our aim is that the Faculty offers degrees at all the levels in each study field. So far this was achieved in the study field of addictology, which constantly provides tuition in the Bachelor, Master and postgraduate PhD programmes. The closest to the said model is the situation in the field of nutritional therapy, which should become the second study field providing all levels of degrees, as completion of the accreditation is planned for the Faculty in 2020. We are also trying to further develop and upgrade the successful fields of physiotherapy and occupational therapy. These branches, however, suffered a great loss as the doyenne of the two fields at the Faculty professor Olga Švestková passed untimely away. But her team, now led by the new department head Yvona Angerová, was able to manage the sad situation and so both the programmes could not only be preserved but also the process of their further cultivation could be restarted. The last of the non-medical fields at the Faculty, midwifery, in turn, passed the process of quality control and stabilization in 2019. Here, the management of the Department of Obstetrics and Gynaecology did an excellent job and proved that the idea of preserving and developing the programme of midwifery at the First Faculty of Medicine was a correct decision.

The above mentioned shift in quality of non-medical branches had some positive impact on the sphere of science and research as well, which was one of the Faculty's priorities and a real challenge for the respective department. The biggest success was achieved thanks to the programme of institutional support for science and research PROGRES, in which the non-medical branches are most noticeably represented in the programme Q06 for support of psychological sciences. It is this programme, in which two Faculty units (Department of Addictology and Department of Psychiatry) are pronouncedly involved, that experienced a dramatic increase in the number of studies implemented and results published. We assume that this programme should become a paragon of good practice in development of science in non-medical fields and that this example could be followed by some other Faculty units under various other programmes. In this respect, for example, preparation and successful placing of a new application for the programme of Specific Scientific Research (SVV) concerning non-medical branches at the Department of Rehabilitation Medicine and the Department of Addictology. At the same time, in 2019, some Faculty units (under supervision of the Department of Addictology) managed to prepare

and publish a special volume of the impacted international journal Central European of Public Health with the results of work of several teams from the Faculty and with a profile result for the sphere of alcohol abuse. The special volume, therefore, is a unique example of high quality original scientific work of teams from non-medical fields but also of their involvement and interconnection with medicine (e.g. in the sphere of moderate alcohol drinking, or papers dealing with the mass methanol intoxication in 2012.)



*Prof. PhDr. Michal Miovský, Ph.D.
Vice-Dean for Non-Medical Study Programmes*



*Prof. MUDr. David Sedmera, Ph.D., DSc.
Vice-Dean for International Students and Social*

PAYING INTERNATIONAL STUDENTS

In 2019, the number of applicants for studies in English language at the Faculty stabilized. The total number of applications was over 1,400 (1,195 for General Medicine and 212 for Dentistry). Thanks to the stable number of those who are admitted, in the academic year 2018-2019 the Faculty welcomed nearly ideal numbers of new first year students – 143 in the programme of General Medicine and 22 in the programme of Dental Medicine. Alas, one persistent problem is obtaining the student visas in time, particularly for the students from the region of India and Pakistan. Most students admitted (80%) had used the services of broker agencies.

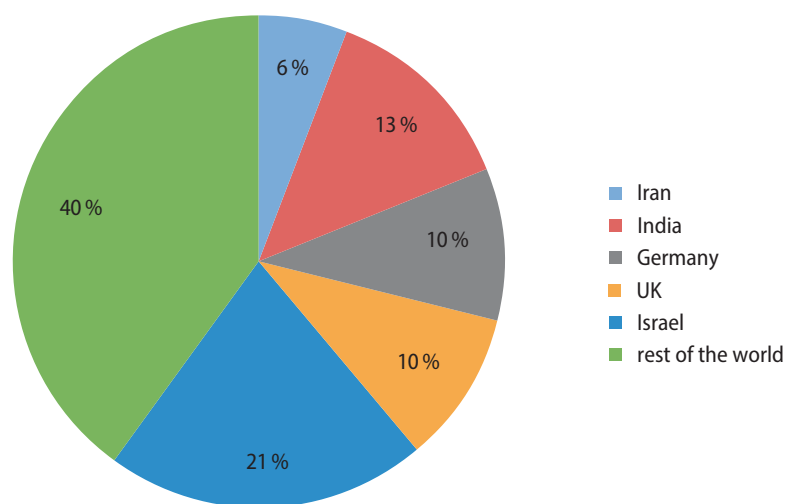
The scope of the most frequent countries where our students in the English parallel classes come from is shown in the enclosed **pie chart**. In total, the most numerous group (21%) are students from Israel. India (13%) advanced to the second place, followed by two European countries – Great Britain and Germany (10% each, which is a slight decrease compared to the years before). The last of the “Big Five” is Iran (6%). Nevertheless, students from other 66 countries make up as much as 40% of the total. By and large, it is European countries where most students come from, and their number has grown considerably thanks to the long-standing effort to draw more attention to the Faculty in the EU countries, but above all thanks to admission of the Czech Republic in the European Union in 2004, which meant automatic recognition of our diplomas as well. In case of USA, a major incentive is the continuously kept accreditation of the Faculty for the government schemes (Direct Loans), and like in

Israel, the possibility to take the USMLE exams as well. It is interesting to watch how the trends are changing in time, especially in the case of first year students, where the standing is the same at the first two places (Israel narrowly followed by India) but the further standings do not differ much – Iran at the third place with 10 students is narrowly followed by Syria and Pakistan with 8 students each. Completely different is the situation in the programme of Dental Medicine where – for 2 years in line – Iran dominates, this time with 50% share, while the remaining 11 students come from other 8 countries.

The trend of the constantly growing interest in studies at the Faculty is a positive feature, and it helps us to gradually increase the quality of students and subsequently graduates as well. The latter then act as our “ambassadors” in those countries where they practice medicine after their graduation. At the admission interviews, we hear from at least one third of the applicants that one of the main reasons why new students choose our Faculty is particularly the good experience of our graduates. A fair number of students had passed preparation courses before the admission exams in order to deepen their knowledge in the subjects tested for admission and therefore to improve their chance to be successful.

In April 2019, the First Faculty of Medicine continued the long-established tradition of visits organized for potential students and their parents, within the Open Days of English-taught study programmes. For students in preparatory classes, another event was organized, similar to the Czech *Jednička na zkoušku* [Testing the Number One], which allowed them to learn more about the Faculty in operation. It met an extraordinary response in students, many of whom had been admitted to more medical schools – thanks to intensive preparation at the University’s Institute for Language and Preparatory Studies – and this was a way that may have helped them to choose that one that was most attractive for them.

Tuition in English language is important for international exchange programmes too, which was also reflected in the number of international students coming to the Faculty under exchange programmes IFMSA and Erasmus. Availability of tuition in English enables the incoming students to take part of the studies at our school, which spreads the prestige of the First Faculty of Medicine of Charles University abroad, and at a time it allows a higher number of our students (equally from Czech and English parallel classes) to travel abroad, who under these international exchange programmes can take part of studies at one or another participating medical schools abroad. Constantly growing is also the interest among our international students to pass part of the clinical tuition in their countries of origin (especially Israel, Germany, USA and Scandinavian countries). Practical experience from their home countries helps the students obtain a job there after the graduation. Thanks to bilateral contracts with university hospitals abroad, many students could be satisfied, and a new bilateral contract was made with Wolfson Institute in Israel as well as a partnership with AMO opportunities to provide “tailored” clerkships in USA.



The organization of international students in English parallel classes (LF1 MEDSOC), which is in close contact with both Czech students’ activities and the Faculty management, takes an important part in the student and academic life at the Faculty. In 2019, this organization further developed its activities, including the academic sphere (assisting the newcomer students in their “acclimatization”) as well as in the sphere of charity, sport and recreational events. They organized a fair number of workshops on the scope of jobs available for graduates, above all in Great Britain, and these events were much attended by students, including even those in the Czech parallel classes. Further, the website to concentrate information on all medical conferences held in English language in the Czech Republic is traditionally available. At the Faculty, MEDSOC has got a room in Faust House to use as an office and meeting venue. They also organize their own cultural, social and sports events, including the International Medical Students’ Ball in spring and inter-faculty soccer tournament. Co-operation between the students’ organization and the Department of Students’ Affairs was intensified as well, which considerably enhances the quality of our

presentations abroad through our alumni and facilitates the start of studies for the fresh first-year students. The TANDEM programme, implemented thanks to partnership with students in the Czech programmes, mutually improves the command of the two languages and communication ability, thereby contributing to higher quality of tuition at clinical placements, especially in the field of dental medicine. "Student tutors", in turn, help the newcomers get oriented at the Faculty in the first days as well as throughout the academic year. The help them get oriented both to the system of studies at the Faculty and to the cultural differences between their home countries and the Czech Republic.

ELECTRONIC SUPPORT OF TUITION

Tools for electronic support of tuition have become an inseparable part of university education, including medical education. In the past years, the First Faculty of Medicine has been one of the leading institutions in the sphere of introduction of electronic support of education of doctors and other health care professionals in the Czech Republic, and it still holds the top standing. Tools that were created or adjusted for use in local environment at the First Faculty of Medicine, are now widely used at whole the University or other schools of higher education as well. One example is video servers (e.g. <https://www.medicalmedia.eu>), which enable storage and safe access even to documents that are clinically confident. Within whole Charles University, Adobe Connect (<https://el.lf1.cuni.cz>) is available, which enables the users to conduct professional webinars and video conferences, and to create and share commented lectures.

For decades, an extraordinarily dynamic project has been the WikiSkripta [WikiLectures] (<https://www.wikiskripta.eu>), which nowadays is the most visited website to support undergraduate medical education in the Czech Republic. In addition, WikiSkripta attract talented students and promote their more active engagement in the process of education. The First Faculty of Medicine also takes part in development of Rogo, the tool for electronic testing, which now is also used at other medical faculties in the Czech Republic and Slovakia.

The support for electronic testing as well as methodology of reproducible, objective and fair evaluation of knowledge and skills has been the issue that the First Faculty of Medicine of Charles University dealing with systematically. In this sphere, the Faculty is one of the respected leaders as well, participating in training of teachers of other universities in the Czech Republic and regularly preparing and publishing methodological guidelines.

SPECIALTY TRAINING AND LIFE-LONG EDUCATION OF HEALTH CARE PROFESSIONALS

In 2019, the Department of Specialty Training and Life-long Education organized a wide scope of courses, seminars, workshops and lectures in compulsory specialty training of physicians and dentists as well as in life-long education of health care professionals, designated not only for doctors and dentists but also for non-medical health care and other professionals (such as addictologists, physiotherapists, occupational therapists, laboratory staff or educationalists).

SPECIALTY TRAINING OF DOCTORS AND DENTISTS

At the Faculty, it is Prof. Jan Škrha that is responsible for specialty training of doctors and dentists together with expert supervisors of all 46 particular specialties and the staff of the Department of Specialty Training and Life-long Education, who provide all the clerical and organizing work. Prof. Škrha is the Faculty's representative in the Co-ordinating Council of all the eight medical schools in the Czech Republic, and in 2019 he was the chairman of the Co-ordinating Council as the First Faculty of Medicine was appointed as the co-ordinating institution for the year. This period was very demanding due to absence of any specific implementation bylaws to the recently amendment of Act number 95/2004 Coll., which had been in force since 1st July 2017. This was an enormous complication in performance of specialty training, especially in education of medical graduates. It was not before November 2019 that Regulation number 282/2019 Coll., regulating examination of doctors, was issued and exams after completion of the training core could be launched again, yet these exams were passed by extremely few, and at the Faculty the number was zero.

The activities connected with specialty training mainly pertain to the admission procedure for the particular specialty, recognition of practical experience in another specialty, issue of certificates, and above all, organization and co-ordination of specialty attestation exams as well as compulsory pre-attestation courses and specializing courses, including care for the necessary accreditation of the courses by Ministry of Health of the Czech Republic. The Ministry only gradually released new educational programmes but still we managed to apply for accreditation of the compulsory courses in 45 specialties and obtain accreditations for all basic core fields.

Registration of doctors and dentists in specialty training is performed through the web application of the Ministry of Health (EZP). By 15th December 2019, the total number of more than 2,209 doctors and dentists were registered at our Faculty.

Compulsory courses always take place on the basis of inter-faculty rotation of all the medical faculties. Out of the planned 43 courses, 41 courses (from 1-day to 15-day ones) were implemented at the First Faculty of Medicine, and these were attended by 733 doctors and dentists. Despite the co-ordination of courses between the medical schools, organization of compulsory courses in the "small" specialties still poses a problem in the economic aspect.



*MUDr. Martin Vejražka, Ph.D.
Member of Dean's Board*

Specialty attestation exams, too, were organized on the rotation basis in 20 various specialties. The total of 171 doctors enrolled for the oral and practical part of the specialty attestation exam, and 149 of them passed while 22 failed. In 2019, most doctors passed the exams in the fields of cardiology, ophthalmology, pathology, and endocrinology and diabetology. Pathology scored most doctors who failed (7).

Survey of compulsory specializing courses and seminars of Life-long Education and specialty attestation exams on at the First Faculty of Medicine in 2019

	Specializing courses	Attestation exams
Number of events	41	23
Number of participants	733	171

Life-long education of doctors, dentists and other health care professionals

In 2019, the total of 138 courses of life-long education were implemented, attended by 6,048 persons. These included 2,093 participants at 78 courses and seminars, including clinical seminars for doctors under the Act number 95/2004 Coll., including non-medical professionals as well as 24 events common for physicians and allied professions, which were held at the departments and institutes of the First Faculty of Medicine of Charles University.

Then, for the third time now, the certified course of Clinical adult neuropsychology is in progress, certified by the Ministry of Health of the Czech Republic, and further a course of professional training under the accreditation by the Ministry of Agriculture of the Czech Republic, aimed at the competence in keeping the experimental animals, was provided in English language.

In 2019, the First Faculty of Medicine of Charles University obtained the accreditation from the Ministry of Health for the accredited qualification course of Speech therapy in health care, which will be launched in 2020 and is expected to strongly facilitate engagement of young speech therapists in health services.

Another 60 educational events were implemented as additional activities, i.e. in co-operation with various commercial subjects.

Survey of courses and seminars of Life-long Education at the First Faculty of Medicine in 2019

	Courses & seminars for doctors	Life-long Education courses in co-operation with commercial subjects	Total
Number of events	78	60	138
Number of participants	2093	3965	6048

The Department of Specialty Training and Life-long Education also represented the Faculty at the Life-long Education Day of Charles University at the Karolinum on 13th April 2019.

The Department of Specialty Training and Life-long Education offers up-to-date information about specialization and life-long education of doctors and dentists at the Faculty's website (<http://www.lf1.cuni.cz/specializacni-vzdelavani>) as well as through electronic, phone and face-to-face consultations.

THIRD-AGE UNIVERSITY AT THE FIRST FACULTY OF MEDICINE

Regular Third-age University classes: 4-semester course of Human biology

In 2019, tuition for the 32nd course of studies was successfully completed. The ceremony to close the 2nd year of studies and award 33 certificates of completing the third-age university courses took place at Karolinum on 6th June 2019. On 3rd October 2019, the 33rd course started with 57 new mature students.

The basic four-semester course "Human biology" has a stable schedule of lectures focused on theoretical basis of medicine, complemented with some new knowledge about prophylaxis and selected lectures about history of medicine for the 1st year, and "Biological principles of care of health" for the 2nd year.

A lecture about first aid with practical demonstrations was incorporated in the regular schedule, which met a great response from the students. In the past academic year, the lectures took place according to the syllabus, i.e. two lessons a week in each semester, for either year of studies. The programme in detail was published in the List of lectures of Charles University – the First Faculty of Medicine. The lecturers in all groups were Heads of the respective institutes and departments as well as other top specialists from these institutions. The pool of the lecturers has become an obviously younger team in the past few years, more interaction between students and lecturers has been promoted, and some practical aspects (e.g. the said first aid course) have been emphasized. The tuition had excellent response among the students. In the 2nd year of studies, 66 students are enrolled at the time, and the venue is the lecture hall at the Institute of Scientific Information.

Novelties in medicine course (former Club of Alumni of the Third-age University)

For those who successfully completed the four-semester studies of Human biology, the Faculty offers the chance of further education in the Novelties in medicine course. The interest in this course is so high that the growing number of students exceeds the capacity of the Vondráček Lecture Hall. This fact made us to decide and divide the students into two groups (A, B), each of them coming for the tuition once in a fortnight. At present, the course is attended by the total of 174 mature students.

The tuition is implemented in regular one-semester cycles and focused on basic fields/specialties of medicine, giving the basic survey of the given field as well as the idea of new methods and developments in the field. A field is always dealt with throughout the semester.

This tuition is professionally supported by particular units of the First Faculty of Medicine in co-operation with the Third-age University expert supervisor. In 2019, the cycle of lectures Dentistry was presented to the students in the summer semester, which was prepared by the staff of the Department of Stomatology, First Faculty of Medicine, Charles University and General University Hospital in Prague, while for the winter semester lectures in Obstetrics and gynaecology were ready, prepared by lecturers from the Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague.

Lectures in the course Novelties in medicine are read by prominent specialists in the respective field – members of our academic community as well as outstanding specialists from the General University Hospital in Prague. Most students enrolled attend these courses repeatedly, some of them have been coming for even more than 10 years. So apart from their cognitive educational function, the courses of the Third-age University also strengthen social links and contacts between their participants. The Third-age University, if attended for more years, also strengthens the students' feeling of fellowship with the First Faculty of Medicine and Charles University.

As part of Charles University, the First Faculty of Medicine is member of the national association of third-age universities, which in turn is member of the respective international association. In the past year, materials were collected about the Third-age University at the First Faculty of Medicine of Charles University for the publication prepared by the Association of Third-age Universities of the Czech Republic. Every year, the Third-age University of the First Faculty of Medicine is presented at the Life-long Education Day as part of Charles University.

EVALUATION OF TUITION BY STUDENTS

Evaluation of tuition by the students was marked by some substantial changes in the academic year 2005-2006, as it was done electronically for the first time. In the following years this was repeated under the same conditions, and at the same time the previous year's results were analysed and compared. Since the academic year 2007-2008 the evaluation has been performed through the form of electronic data collection and processing within the Student Information System (SIS). In the academic year 2018-2019 the data collection was commenced in October 2018 and finished in October 2019. The Evaluation Board as well as the Dean's Office Board dealt with the evaluation several times.

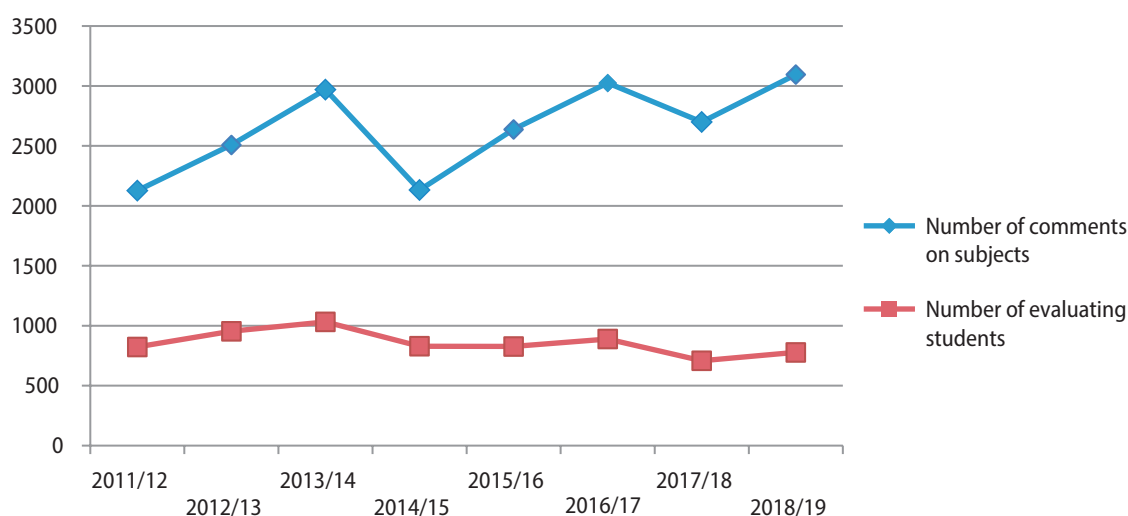
The questionnaire in electronic form, incorporated in the Student Information System (SIS), which facilitated the students' easy access to the forms for evaluation of particular subjects and institutions, has been left virtually unchanged on purpose, so that results of the evaluation can be compared with the year before. The academic community is informed of the results of the evaluation on the Faculty's web pages as well as through direct information for all Faculty units and relevant bodies of the Faculty. The main advantage of this system is undoubtedly the unified pattern of the forms, and therefore the possibility of comparison between particular units (some question being naturally specific for theoretical and clinical fields).



Besides this main evaluation, some “local” questionnaires survive, prepared and distributed to students by particular Faculty units for their own purposes, either during the study or after the completion of the respective subject. Their advantage is the fact that they can be “tailored” to the specific needs of tuition at the given institution. And, last but not least, chat pages have arisen on the websites of some Faculty institutions and quickly gained much popularity. Their main advantage is, above all, their swiftness, flexibility and interactivity. This way the management of particular units can deal with the students’ opinion virtually immediately and solve any possible problems in a very short time. This is probably the way that may prove most effective in the coming years: as the experience has shown, it enables not only the students’ immediate response to the problem but also their discussion of the problem. Then the variety of attitudes among the students can be seen much better and – above all – much quicker, which will facilitate a better and quicker solution of problems on the teachers’ part, considering the students’ majority opinion rather than just an individual’s view.

GENERAL EVALUATION OF THE 2018-2019 SURVEY

In the academic year 2018-2019, the number of students taking part in the evaluation was 778, which was by 70 more than in the year before, and the number of specific comments and expressions of students’ views in general decreased too. Overall evaluation of the Faculty has stayed positive as before: the marks oscillate between 1.30 and 1.82, with the average mark for the Faculty at 1.52 (which is nearly the same as in the past few years). Marks given to evaluate particular institutes and clinical departments oscillate between ones and twos. Like in the past years, none of the marks was worse than 2.88 (with the exception of several cases where, however, only one student responded), which can be looked upon as overall improvement. Tuition in pre-clinical years was mostly appreciated but in several cases the students complained of not very friendly atmosphere in some organization units or disputed the meaningfulness and asset of the lectures. In the clinical years, on the other hand, discontent prevails about tuition of practical clinical skills, which corresponds with the very similar complaints of our graduates. The management of the Faculty is considering, after extensive preparations with representatives of the clinical fields and graduates of the Faculty, some alterations to the structure of the clinical part of the studies.



One persisting problem is the fact that the number of evaluating students from the higher years of study is lower, and thereby the statistical relevance of the scores for clinical subjects and clinician teachers is limited. One of the reasons is distribution of the students among clinical institutions in smaller groups, where the number of students who meet a particular teacher is smaller than in the first two or three years of study. The good news is the fact that the number of specific comments from students in the “clinical” years of studies has been growing in the past three years, which was also manifested in the considerable increase of clinical teachers evaluated.

Every year, the Heads of the organization units are informed in writing about the evaluation and invited to respond and resolve the complaints. As in the past years, a fair number of units responded to the results of the evaluation. The responses from particular units often contain possible explanations of the negative outcome of the evaluation, as seen by the unit or teacher, often with substantiated criticism concerning statistical irrelevance and element of subjectivity in the evaluation, and sometimes expressing criticism towards the students. However, it is important that these responses also involve some proposals of future solutions to eliminate some reasons for negative evaluation. The tendency that can clearly be seen is improvement of average marks for particular organization units as well as increase in positive comments towards specific institutes, clinical departments and teaching staff. The Dean’s Board dealt with the results of the evaluation in detail in its session and also appreciated the attitude of the Heads of many units who had taken constructive approach towards evaluation of their institutions. As every year, the best rated teachers received money awards from the Dean.

POSTGRADUATE DOCTORAL STUDIES IN BIOMEDICINE

The First Faculty of Medicine of Charles University provides 21 doctoral study programmes in both Czech and English languages. Seventeen of them are implemented as doctoral study programmes in biomedical sciences (hereafter “PhD. programmes in biomedicine”), which were founded in 1992 pursuant to the agreement of the three medical schools in Prague (the First, Second and Third Faculty of Medicine) and the Faculty of Natural Science of Charles University as well as the Academy of Sciences of the Czech Republic.

The PhD. programmes in biomedicine are implemented in accordance with the Act of Schools of Higher Education and internal regulations of Charles University and their faculties and based on the general agreement of co-operation in implementation of study programmes of 23rd April 1997 and agreement of consortium between Charles University and the Academy of Sciences of the Czech Republic of 26th June 1997. On 28th May, a new Agreement of co-operation between Charles University and the Academy of Sciences was signed, under which particular agreements of mutual co-operation in implementation of new accredited doctoral study programmes are made.

DOCTORAL STUDY PROGRAMMES IMPLEMENTED AT THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY AND THE CHAIRPERSONS OF THE RESPECTIVE FIELD BOARDS IN 2019

Bioethics	Assoc. Prof. MUDr. PhDr. Jan Payne, Ph.D., First Faculty of Medicine, Charles University
Bioethics	Prof. MUDr. Stanislav Štípek, DrSc., First Faculty of Medicine, Charles University Prof. MUDr. Libor Vitek, Ph.D., MBA, First Faculty of Medicine, Charles University (since 19 Dec 2019)
Cell Biology and Pathology	Prof. RNDr. Ivan Raška, DrSc., First Faculty of Medicine, Charles University Assoc. Prof. MUDr. Tomáš Kučera, Ph.D., First Faculty of Medicine, Charles University (since 14 Aug 2019)
Biomedical informatics	Prof. MUDr. Štěpán Svačina, DrSc., First Faculty of Medicine, Charles University
Biomechanics	Assoc. Prof. PaedDr. Karel Jelen, CSc., Faculty of Physical Education and Sport, Charles University
History of Medicine	Assoc. Prof. Mgr. Karel Černý, Ph.D., First Faculty of Medicine, Charles University
Experimental Surgery	Prof. MUDr. Jaroslav Živný, DrSc., First Faculty of Medicine, Charles University Prof. MUDr. Zdeněk Krška, DrSc., First Faculty of Medicine, Charles University (since 14 Aug 2019)
Pharmacology and toxicology	Prof. MUDr. Ondřej Slanař, Ph.D., First Faculty of Medicine, Charles University
Human Physiology and Pathophysiology	Prof. MUDr. Jaroslav Pokorný, DrSc., First Faculty of Medicine, Charles University

Gerontology**Immunology****Medical biophysics****Microbiology****Molecular and Cellular Biology, Genetics and Virology****Neurosciences****Parasitology****Preventive Medicine****Psychology (Medical Psychology and psychopathology)****Specialization in health care – Addictology****Developmental and Cell Biology****Imaging Techniques in Medicine**

Prof. MUDr. Otomar Kittnar, CSc., MBA,
First Faculty of Medicine, Charles University (since 14 Aug 2019)

Prof. MUDr. Eva Topinková, CSc.,
First Faculty of Medicine, Charles University

Prof. RNDr. Jan Černý, Ph.D.,
Faculty of Natural Science, Charles University

Prof. MUDr. RNDr. Jiří Beneš, CSc.,
First Faculty of Medicine, Charles University

Assoc. Prof. RNDr. Ivo Konopásek, CSc.,
Faculty of Natural Science, Charles University

Assoc. Prof. RNDr. Dana Holá, Ph.D.,
Faculty of Natural Science, Charles University

Prof. MUDr. Karel Šonka, DrSc.,
First Faculty of Medicine, Charles University

Assoc. Prof. RNDr. Jan Votýpka, Ph.D.,
Faculty of Natural Science, Charles University

Assoc. Prof. MUDr. Alexander M. Čelko, CSc.,
Third Faculty of Medicine, Charles University

Prof. MUDr. Jiří Raboch, DrSc.,
First Faculty of Medicine, Charles University

Prof. PhDr. Michal Miovský, Ph.D.,
First Faculty of Medicine, Charles University

Assoc. Prof. RNDr. Petr Folk, CSc.,
Faculty of Natural Science, Charles University

Assoc. Prof. MUDr. Andrea Burgetová, Ph.D., MBA,
First Faculty of Medicine, Charles University

The content matter and organization of studies in particular study programmes are provided by joint field boards; these are guarantors of quality of particular study programmes in doctoral studies. The Principal Guarantor of the study programme and members of the Field Board are appointed by the Rector at the suggestion of deans of the faculties and the other participating training institutions beyond the University. The Principal Guarantor serves as the chairperson of the Field Board for the respective programme. PhD. programmes in biomedicine are directed by the Co-ordinating Council. Members of the Co-ordinating Council of PhD. programmes in biomedicine are appointed and deposed jointly by the Rector of Charles University and the President of the Academy of Sciences of the Czech Republic to the proposals by deans of particular faculties of Charles University and managers of other institutions involved. The other members of the Co-ordinating Council are the chairs of the Field Boards. The chairperson and vice-chairs are elected by the Council from among its members.

The chairperson summons and directs the proceedings of the board and represents it in negotiations with the representative bodies of the particular Faculty as well as in sessions of the Co-ordinating Council of PhD. programmes in biomedicine. The scope of competencies of the field board ensues from the valid version of the Higher Education Act.

The following part includes the survey of programmes of postgraduate doctoral studies in both Czech and English, including the time of validity of accreditation. For 2019, the following surveys are shown: numbers of doctoral students at the Faculty units; doctoral exams passed; and doctoral theses at the First Faculty of Medicine in the past five years (2015–2019); and a chart to visualize the conditions for admission to doctoral study programmes.

Doctoral study programmes accredited in Czech and validity of the accreditation

Study programme	Accredited till
Biochemistry and Pathobiochemistry	28 Nov 2028
Cell Biology and Pathology	27 Nov 2029
Biomedical Informatics	31 Dec 2020
History of Medicine	31 Dec 2024
Experimental Surgery	27 Nov 2029
Pharmacology and Toxicology	11 Dec 2029
Human Physiology and Pathophysiology	27 Nov 2029
Gerontology	31 Dec 2020

Study programme	Accredited till
Immunology	27 Nov 2029
Medical Biophysics	27 Nov 2029
Bioethics	31 Dec 2024
Microbiology	23 Oct 2029
Molecular and Cellular Biology, Genetics and Virology	23 Oct 2029
Neurosciences	31 Dec 2020
Parasitology	27 Nov 2029
Preventive Medicine and Epidemiology	27 Nov 2029
Medical Psychology and Psychopathology	23 Oct 2024
Developmental and Cell Biology	27 Nov 2029
Imaging Techniques in Medicine	31 Dec 2024
Specialization in health care – Addictology	31 Dec 2024
Biomechanics	1 Nov 2020

Doctoral study programmes accredited in English and validity of the accreditation

Study programme	Accredited till
Biochemistry and Pathobiochemistry	28 Nov 2028
Cell Biology and Pathology	27 Nov 2029
Biomedical Informatics	31 Dec 2020
History of Medicine	31 Dec 2024
Experimental Surgery	27 Nov 2029
Pharmacology and Toxicology	11 Dec 2029
Human Physiology and Pathophysiology	27 Nov 2029
Gerontology	31 Dec 2020
Immunology	27 Nov 2029
Medical Biophysics	27 Nov 2029
Bioethics	31 Dec 2024
Microbiology	23 Oct 2029
Molecular and Cellular Biology, Genetics and Virology	23 Oct 2029
Neurosciences	31 Dec 2020
Parasitology	27 Nov 2029
Preventive Medicine and Epidemiology	27 Nov 2029
Medical Psychology and Psychopathology	23 Oct 2024
Developmental and Cell Biology	27 Nov 2029
Imaging Methods in Medicine	31 Dec 2024
Specialization in Health Service – Addictology	31 Dec 2024
Biomechanics	1 Nov 2020

Survey of the numbers of students in doctoral study programmes at units of the First Faculty of Medicine in 2019

Unit	Institution(s)	Number of PhD. students at the unit			
		studying in 2019	studying in 2019		total studying in 2019
			quitted	graduated	
Institute of Anatomy	First Faculty of Medicine, Charles University	12	2	1	15
BIOCEV	First Faculty of Medicine, Charles University	14	1	3	18
Centre for Practical Applications Support and Spin-off Companies	First Faculty of Medicine, Charles University	4	0	0	4
Center for Advanced Preclinical Imaging	First Faculty of Medicine, Charles University	3	1	0	4

Unit	Institution(s)	Number of PhD. students at the unit			
		studying in 2019	studying in 2019		total studying in 2019
			quitted	graduated	
Institute of Physiology	First Faculty of Medicine, Charles University	9	0	0	9
Department of Rheumatology	First Faculty of Medicine, Charles University	13	0	0	13
Institute of Biophysics and Informatics	First Faculty of Medicine, Charles University	9	1	2	12
Institute of Biochemistry and Experimental Oncology	First Faculty of Medicine, Charles University	9	1	2	12
Institute for History of Medicine and Foreign Languages	First Faculty of Medicine, Charles University	10	1	1	12
Institute of Histology and Embryology	First Faculty of Medicine, Charles University	3	0	0	3
Institute for Medical Humanities	First Faculty of Medicine, Charles University	15	6	0	21
Institute of Pathological Physiology	First Faculty of Medicine, Charles University	26	5	3	34
Institute of Clinical and Experimental Hematology	First Faculty of Medicine, Charles University and Institute of Hematology and Blood Transfusion	7	0	1	8
Institute of Pharmacology	First Faculty of Medicine, Charles University and General University Hospital	13	3	0	16
Department of Phoniatrics	First Faculty of Medicine, Charles University and General University Hospital	0	0	0	0
Department of Geriatrics	First Faculty of Medicine, Charles University and General University Hospital	0	0	0	0
Department of Obstetrics and Gynaecology	First Faculty of Medicine, Charles University and General University Hospital	18	1	1	20
1 st Department of Tuberculosis and Respiratory Diseases	First Faculty of Medicine, Charles University and General University Hospital	5	0	0	5
1 st Department of Surgery	First Faculty of Medicine, Charles University and General University Hospital	6	0	0	6
1 st Department of Medicine	First Faculty of Medicine, Charles University and General University Hospital	6	1	0	7
2 nd Department of Surgery	First Faculty of Medicine, Charles University and General University Hospital	8	1	1	10
2 nd Department of Medicine	First Faculty of Medicine, Charles University and General University Hospital	29	4	3	36
3 rd Department of Medicine	First Faculty of Medicine, Charles University and General University Hospital	29	4	2	35
4 th Department of Medicine	First Faculty of Medicine, Charles University and General University Hospital	12	1	1	14
Department of Addictology	First Faculty of Medicine, Charles University and General University Hospital	25	4	0	29
Department of Paediatrics and Adolescent Medicine	First Faculty of Medicine, Charles University and General University Hospital	39	6	1	46
Department of Nephrology	First Faculty of Medicine, Charles University and General University Hospital	7	1	1	9
Department of Occupational Medicine	First Faculty of Medicine, Charles University and General University Hospital	7	0	1	8
Department of Stomatology	First Faculty of Medicine, Charles University and General University Hospital	22	8	1	31
Department of Rehabilitation Medicine	First Faculty of Medicine, Charles University and General University Hospital	5	2	0	7
Department of Neurology	First Faculty of Medicine, Charles University and General University Hospital	47	3	3	53
Department of Ophthalmology	First Faculty of Medicine, Charles University and General University Hospital	7	2	0	9
Department of Oncology	First Faculty of Medicine, Charles University and General University Hospital	4	0	1	5

Unit	Institution(s)	Number of PhD. students at the unit			
		studying in 2019	studying in 2019		total studying in 2019
			quitted	graduated	
Department of Psychiatry	First Faculty of Medicine, Charles University and General University Hospital	46	9	4	59
Department of Radiology	First Faculty of Medicine, Charles University and General University Hospital	10	0	0	10
Institute of Sexology	First Faculty of Medicine, Charles University and General University Hospital	8	4	3	15
Department of Urology	First Faculty of Medicine, Charles University and General University Hospital	6	3	1	10
Institute of Biology and Medical Genetics	First Faculty of Medicine, Charles University and General University Hospital	12	0	6	18
Institute of Hygiene and Epidemiology	First Faculty of Medicine, Charles University and General University Hospital	11	0	1	12
Institute of Immunology and Microbiology	First Faculty of Medicine, Charles University and General University Hospital	15	3	1	19
Institute of Medical Biochemistry and Laboratory Diagnostics	First Faculty of Medicine, Charles University and General University Hospital	28	3	3	34
Institute of Nuclear Medicine	First Faculty of Medicine, Charles University and General University Hospital	4	0	0	4
Institute of Pathology	First Faculty of Medicine, Charles University and General University Hospital	8	0	0	8
Institute of General Practice	First Faculty of Medicine, Charles University and General University Hospital	1	0	0	1
Department of Anaesthesiology, Resuscitation and Intensive Medicine	First Faculty of Medicine, Charles University and General University Hospital	8	2	1	11
Institute of Forensic Medicine and Toxicology	First Faculty of Medicine, Charles University and General University Hospital	3	1	1	5
Institute of Sports Medicine	First Faculty of Medicine, Charles University and General University Hospital	3	0	0	3
Department of Obstetrics and Gynaecology	First Faculty of Medicine, Charles University and Na Bulovce Hospital	3	4	0	7
Department of Infectious and Tropical Diseases	First Faculty of Medicine, Charles University and Na Bulovce Hospital	2	0	1	3
Department of Plastic Surgery	First Faculty of Medicine, Charles University and Na Bulovce Hospital	5	0	0	5
Department of Surgery	First Faculty of Medicine, Charles University and Na Bulovce Hospital	2	0	0	2
Department of Orthopaedics	First Faculty of Medicine, Charles University and Na Bulovce Hospital	8	0	0	8
3 rd Department of Surgery	First Faculty of Medicine, Charles University and Motol University Hospital	16	0	1	17
Department of Otorhinolaryngology, Head and Neck Surgery	First Faculty of Medicine, Charles University and Motol University Hospital	9	1	2	12
Department of Spondylosurgery	First Faculty of Medicine, Charles University and Motol University Hospital	3	0	0	3
Department of Orthopaedics	First Faculty of Medicine, Charles University and Motol University Hospital	13	0	0	13
Department of Neurosurgery	First Faculty of Medicine, Charles University and Military University Hospital	14	0	1	15
Department of Medicine	First Faculty of Medicine, Charles University and Military University Hospital	4	1	0	5
Department of Infectious Diseases	First Faculty of Medicine, Charles University and Military University Hospital	3	0	0	3

Unit	Institution(s)	Number of PhD. students at the unit			
		studying in 2019	studying in 2019		total studying in 2019
			quitted	graduated	
Department of Orthopaedics	First Faculty of Medicine, Charles University and Military University Hospital	6	1	0	7
Department of Ophthalmology	First Faculty of Medicine, Charles University and Military University Hospital	3	0	1	4
Department of Oncology	First Faculty of Medicine, Charles University and Thomayer Hospital	4	0	0	4
Department of Surgery	First Faculty of Medicine, Charles University and Thomayer Hospital	3	0	0	3
Department of Respiratory Medicine	First Faculty of Medicine, Charles University and Thomayer Hospital	4	0	0	4
TOTAL		688	91	56	835

Doctoral state examinations in 2019

Surname and first name	Degree (before name)	Degree (after name)	Study programme	Date of
Albrecht Jakub	MUDr.		Psychology	17 Sep 2019
Andělová Michaela	MUDr.		Neurosciences	1 Apr 2019
Bartoš Martin	MUDr. MDDr.		Experimental surgery	1 Apr 2019
Bartošová Tereza	MUDr.		Neurosciences	3 June 2019
Bártů Michaela	MUDr.		Imaging Techniques in Medicine	18 June 2019
Běhounek Matěj	Mgr.		Molecular and Cellular Biology, Genetics and Virology	19 Sep 2019
Beranová Jana	Mgr.	M.Sc.	Biochemistry and Pathobiochemistry	30 Oct 2019
Bubová Kristýna	MUDr.		Human Physiology and Pathophysiology	18 Apr 2019
Bunganič Bohuš	MUDr.		Imaging Techniques in Medicine	27 June 2019
Czerneková Michaela	Mgr.		Cell Biology and Pathology	28 Nov 2019
Čerešňáková Silvie	MUDr.		Psychology	25 June 2019
Černý Viktor	MUDr. Mgr.		Immunology	10 June 2019
Červenková Markéta	Mgr.		Psychology	10 Dec 2019
Čumová Andrea	Mgr.		Molecular and Cellular Biology, Genetics and Virology	3 Sep 2019
Dall'Antonia Irene	MUDr.		Neurosciences	3 June 2019
Daumová Lenka	MUDr.		Human Physiology and Pathophysiology	5 Dec 2019
Dedeciusová Michaela	MUDr.		Neurosciences	7 Oct 2019
Dostálová Veronika	Mgr.		Psychology	16 Apr 2019
Dušek Pavel	MUDr.		Neurosciences	1 Apr 2019
Fingerhutová Šárka	MUDr.		Human Physiology and Pathophysiology	14 Nov 2019
Fingrová Zdeňka	Ing.		Imaging Techniques in Medicine	29 Jan 2019
Hájková Nikola	Mgr.		Molecular and Cellular Biology, Genetics and Virology	3 Sep 2019
Hála Pavel	MUDr.		Human Physiology and Pathophysiology	16 May 2019
Hanuška Jaromír	MUDr.		Neurosciences	17 June 2019
Hasíková Lenka	MUDr.		Human Physiology and Pathophysiology	5 Dec 2019
Hlavenková Lucia	Mgr.		History of Medicine	2 Apr 2019
Hlušička Jiří	MUDr.		Preventive Medicine	2 July 2019
Chmelová Klára	MUDr.		Biochemistry and Pathobiochemistry	30 Oct 2019
Kábelová Adéla	Mgr.		Molecular and Cellular Biology, Genetics and Virology	16 Oct 2019
Karbanová Martina	Mgr. Bc.		Human Physiology and Pathophysiology	24 June 2019

Surname and first name	Degree (before name)	Degree (after name)	Study programme	Date of
Kašák Filip	MUDr.		Cell Biology and Pathology	26 Sep 2019
Kaván Jan	MUDr.		Imaging Techniques in Medicine	29 Jan 2019
Kollár Marek	MUDr.		Human Physiology and Pathophysiology	13 June 2019
Konvalinková Romana	Mgr. Bc.		Neurosciences	3 June 2019
Král Jan	MUDr.		Human Physiology and Pathophysiology	12 Sep 2019
Leontovýč Adrian	Mgr.		Biochemistry and Pathobiochemistry	12 June 2019
Manukyan Ada	Mgr.		Psychology	24 Sep 2019
Maříková Irena	MUDr.		Medical Biophysics	03 Dec 2019
Miková Blanka	Ing.		Biochemistry and Pathobiochemistry	12 June 2019
Mitáš Petr	MUDr.		Experimental surgery	9 Sep 2019
Mokotedi Masego Candy	MUDr.		Imaging Techniques in Medicine	27 June 2019
Mühlböck Alžbeta	MUDr.		Neurosciences	3 June 2019
Murtingerová Kateřina	Mgr. Ing.		History of Medicine	11 Apr 2019
Musil Zdeněk	Mgr.		Molecular and Cellular Biology, Genetics and Virology	3 Sep 2019
Neřoldová Magdaléna	Ing.		Biochemistry and Pathobiochemistry	19 Sep 2019
Nováková Barbora	MUDr.		Biochemistry and Pathobiochemistry	26 June 2019
Novotný Karel	MUDr.		Experimental surgery	20 May 2019
Pavelcová Kateřina	MVDr.		Molecular and Cellular Biology, Genetics and Virology	27 Nov 2019
Pejšová Hana	Ing.		Preventive Medicine	11 Apr 2019
Pelcl Tomáš	MUDr.		Human Physiology and Pathophysiology	14 Mar 2019
Peřinová Pavla	MUDr.		Neurosciences	1 Apr 2019
Poláková Kamila	MUDr.		Neurosciences	7 Jan 2019
Popková Michaela	MVDr.		Human Physiology and Pathophysiology	26 Sep 2019
Reichenbach Adrian	MUDr.		Human Physiology and Pathophysiology	14 Feb 2019
Rokošný Slavomír	MUDr.		Experimental surgery	7 Jan 2019
Senohrábková Lenka	Mgr.		Molecular and Cellular Biology, Genetics and Virology	16 May 2019
Skalická Pavlína	MUDr.		Preventive Medicine	2 July 2019
Součková Olga	Ing.		Biochemistry and Pathobiochemistry	7 Mar 2019
Srp Martin	Mgr.		Neurosciences	1 Apr 2019
Srpová Barbora	MUDr.		Neurosciences	1 Apr 2019
Strohalmová Sabina	MUDr.		Biochemistry and Pathobiochemistry	12 June 2019
Šestáková Šárka	Ing.		Molecular and Cellular Biology, Genetics and Virology	27 Nov 2019
Šimek Jakub	MUDr.		Psychology	25 June 2019
Šmeringaiová Ingrida	Mgr.		Cell Biology and Pathology	20 June 2019
Špaček Jan	MUDr.		Human Physiology and Pathophysiology	14 Mar 2019
Takáčová Andrea	Mgr.		Psychology	24 Sep 2019
Tureček Daniel	Ing.		Imaging Techniques in Medicine	29 Jan 2019
Uhlířová Jana	Mgr.		Developmental and Cell Biology	4 Feb 2019
Vacková Zuzana	MUDr.		Human Physiology and Pathophysiology	13 June 2019
Valeriánová Anna	MUDr.		Human Physiology and Pathophysiology	14 Feb 2019
Věchetová Gabriela	Mgr.		Psychology	10 Dec 2019
Vočka Michal	MUDr.		Biochemistry and Pathobiochemistry	4 Sep 2019
Zubař Michal	MUDr.		Biochemistry and Pathobiochemistry	14 Mar 2019

Theses defended in PhD. study programmes in 2019

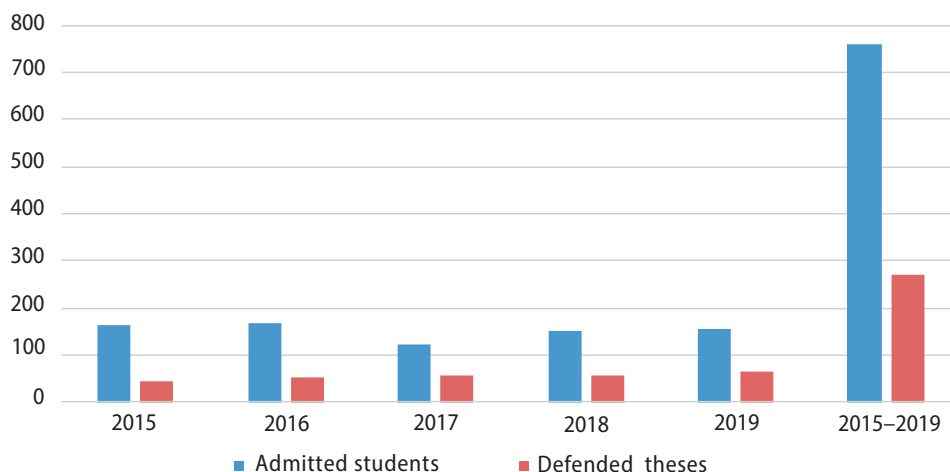
Surname and first name	Degree (before name)	Degree (after name)	Doctoral study programme	Title of thesis	Date of defence
Balatková Zuzana	MUDr.	Ph.D.	Experimental surgery	Factory influencing vestibular compensation in patients after surgery for vestibular schwannoma.	9 Sep 2019
Buksakowska Irena	MUDr.	Ph.D.	Neurosciences	Structural Patterns of Cognitive Deficits in MR Imaging.	9 Sep 2019
Čapoun Otakar	MUDr.	Ph.D.	Experimental surgery	Detection of circulating tumour cells and their clinical application in patients with prostate carcinoma proven by biopsy.	25 Feb 2019
Dostálová Veronika	Mgr.	Ph.D.	Psychology	Influence of cerebral hypoxic lesion on cognitive functions and psychosocial factors.	17 Sep 2019
Fiala Luděk	MUDr.	Ph.D.	Psychology	The role of endometriosis in the development of dyspareunia and algopareunia.	16 Apr 2019
Fingrová Zdeňka	Ing.	Ph.D.	Imaging Techniques in Medicine	Use of non-invasive imaging techniques for accurate assessment of size of the heart atria and prediction of fibrotization of their walls in patients with atrial fibrillation.	5 Nov 2019
Gurieva Iuliia	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Iron and regulation of its metabolism in inflammation and disturbances of erythropoiesis.	13 June 2019
Hána Václav	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Steroid metabolome in human physiology and pathophysiology.	26 Sep 2019
Hlavenková Lucia	Mgr.	Ph.D.	History of Medicine	Diseases in populations of Classical Roman era in the aspect of paleopathology.	25 Sep 2019
Hložek Tomáš	Mgr.	Ph.D.	Farmakologie a toxikologie	Disposition and metabolism of cannabinoids.	23 Sep 2019
Hojný Jan	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Analysis of gene products originating due to alternative splicing of pre-mRNA and their role in oncogenesis of breast carcinoma.	19 Sep 2019
Chughtai Ahmed Ali	MUDr.	Ph.D.	Cell Biology and Pathology	Evolutionarily conserved mechanisms of gene expression regulation by nuclear receptors.	28 Nov 2019
Janák David	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Regional flow rate and quantity of micro-emboli in a. carotis communis at various levels of haemodynamics directed by VA-ECMO.	14 Feb 2019
Jaššová Katarína	MUDr.	Ph.D.	Psychology	Comparison of efficiency of psychotherapy and repetitive transcranial magnetic stimulation in management of psychogenic overeating.	10 Dec 2019
Jechová Alžběta	MUDr.	Ph.D.	Experimental surgery	Study of intercellular interactions in tumours.	08 Apr 2019
Keřková Barbora		M.A., Ph.D.	Psychology	The emotion-paradox in schizophrenia spectrum disorders.	17 Sep 2019
Kopal Aleš	MUDr.	Ph.D.	Neurosciences	Sensory and sensitive dysfunctions in neurodegenerative disorders of basal ganglia.	9 Sep 2019
Kopecký Adam	MUDr.	Ph.D.	Imaging Techniques in Medicine	Changes in the anterior segment of PO 25G+ PPV.	27 June 2019
Kortus Štěpán	Ing.	Ph.D.	Medical Biophysics	Ca ²⁺ signalling in magnocellular neurones of the rat supraoptic nucleus.	3 Dec 2019
Krátký Jan	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Thyroidal autoimmunity and elasticity of thyroidal nodes – relation to their biological nature.	12 Sep 2019
Lađinović Dijana		M.Sc., Ph.D.	Cell Biology and Pathology	Epigenetics in gene regulation and chromatin structure.	28 Nov 2019
Lamberská Tereza	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Resuscitation and stabilization of extremely immature neonates.	14 Feb 2019
Lambertová Alena	MUDr.	Ph.D.	Psychology	Perception of radiation load and investigation in patients undergoing computer tomography.	24 Sep 2019
Leontovych Ivan	Mgr.	Ph.D.	Cell Biology and Pathology	Differentiation of pancreatic stem cells to insulin-producing β -cells.	26 Sep 2019
Lipš Michal	MUDr.	Ph.D.	Experimental surgery	New trends in monitoring and control of glycaemia in the perioperative period.	27 May 2019
Mačina Peter	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Pathophysiology of chronic pancreatitis and pancreas carcinoma.	26 Sep 2019

Surname and first name	Degree (before name)	Degree (after name)	Doctoral study programme	Title of thesis	Date of defence
Mrózek Jan	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Relation of reperfusion of pulmonary arteries after acute lung embolism to development of chronic thrombo-embolic pulmonary hypertension.	12 Sep 2019
Mudrochová Hana	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Possibilities of organ protection after global ischaemia in cardiac arrest.	16 May 2019
Musil Zdeněk	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Molecular biological analysis of feochromocytoma and paraganglioma.	19 Sep 2019
Myšák Jaroslav	MUDr.	Ph.D.	Experimental surgery	Periodontal pathogens and system markers in aetiology and diagnosis of diseases of the periodontal membrane and cardiovascular system.	27 May 2019
Nepožitek Jiří	MUDr.	Ph.D.	Neurosciences	Behavioural disturbance in REM sleep: Characteristic of polysomnographic and behavioural manifestations.	16 Sep 2019
Neprašová Michaela	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Markers influencing the course of IgA nephropathy.	18 Apr 2019
Novotný Karel	MUDr.	Ph.D.	Experimental surgery	Use of cyanoacrylate glue in treatment of an insufficient great and small saphenous vein.	25 Nov 2019
Novotný Róbert	MUDr.	Ph.D.	Experimental surgery	Technical aspects of aortic root sparing surgery: Structural changes occurring during different thawing protocols of cryopreserved human aortic root allografts and the reproducibility of external aortic root annuloplasty using Coroneo ring.	11 Feb 2019
Nurieva Olga	MUDr.	Ph.D.	Preventive Medicine	Prospective study into chronic consequences of acute methanol poisonings to the eyesight.	11 Apr 2019
Páral Petr	Mgr.	Ph.D.	Human Physiology and Pathophysiology	The cell cycle and differentiation of haematopoietic stem and progenitor cells.	26 Sep 2019
Pazourková Eva	MUDr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Analysis of loose nucleic acids and its potential clinical use.	16 May 2019
Pichlerová Dita	MUDr.	Ph.D.	Psychology	Sexual dysfunction in obese women after bariatric therapy for obesity.	24 Sep 2019
Procházka Antonín	Mgr.	Ph.D.	Medical Biophysics	Computer analysis of ultrasound images of nodes in the thyroid gland with special focus on their sonographic features and cytological findings.	3 Dec 2019
Riethof Norbert	PhDr.	Ph.D.	Psychology	Burnout syndrome in Health Care Professionals.	17 Sep 2019
Schlenker Anna	Ing.	Ph.D.	Biomedicínská informatika	IT security in biomedicine.	2 Sep 2019
Sívá Monika	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	Deciphering the biological role of Ddi1-like protein family.	25 Apr 2019
Štaňková Barbora	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	Advanced lipidomics in selected clinical conditions.	17 Sep 2019
Šafaříková Markéta	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Genetically correlated factors of progression of selected forms of chronic nephropathies.	16 May 2019
Šantorová Šárka	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Analysis of loose nucleic acids in urine of urologic patients.	19 Sep 2019
Šebela Antonín	MUDr.	Ph.D.	Psychology	Sleep correlates of early risk of bipolar affective disorder in children and adolescents.	17 Sep 2019
Šilar Jan	Ing.	Ph.D.	Biomedical Informatics	Modelica in physiological modelling. Models with spatially distributed parameters, Authorin educational simulators.	2 Sep 2019
Šípek Antonín	MUDr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Variations of chromosome 9 in humans – from normal to pathology. Epidemiology and importance in clinical genetic practice.	3 Sep 2019
Šmíd Václav	MUDr.	Ph.D.	Biochemistry and Pathobiochemistry	The role of lipids in the pathogenesis of liver diseases.	11 June 2019
Špaček Miloslav	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Structural and haemodynamic characteristics of atherosclerotic plaques in carotid arteries and their behaviour due to endovascular manipulation in carotid stetting.	13 June 2019

Surname and first name	Degree (before name)	Degree (after name)	Doctoral study programme	Title of thesis	Date of defence
Špunda Rudolf	MUDr.	Ph.D.	Experimental surgery	Immunosuppression after transplantation of cryopreserved arterial allografts in experiment.	16 Sep 2019
Štěrbová Zuzana	Mgr.	Ph.D.	Psychology	Assortative matching in humans.	16 Apr 2019
Šuk Jakub	Ing.	Ph.D.	Biochemistry and Pathobiochemistry	Induction of heme oxygenase and biological role of its metabolic products.	19 Sep 2019
Tesařová Jana	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	Functional characterization of LACE1 APTase and mitochondrial AAA proteases YME1L and AFG3L2 in mitochondrial protein homeostasis.	30 Jan 2019
Tichá Anežka	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	Development of inhibitors of rhomboid proteases as tools for the study of their biological functions.	25 Apr 2019
Trošan Peter	Mgr.	Ph.D.	Cell Biology and Pathology	The culture of limbal and mesenchymal cells on various feeders for their use in ophthalmology.	20 June 2019
Uzlíková Magdalena	Mgr.	Ph.D.	Parasitology	Maintenance of chromosomes integrity in <i>Giardia intestinalis</i> as a model organism.	27 Sep 2019
Valášková Petra	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	Antioxidant and anti-inflammatory effects of bilirubin.	19 Sep 2019
Valeriánová Anna	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Cardiovascular complications in patients with chronic renal condition.	14 Nov 2019
Válka Jan	MUDr.	Ph.D.	Cell Biology and Pathology	Role of DNA-repairing mechanisms in pathogenesis of myelodysplastic syndrome.	13 June 2019
Vočka Michal	MUDr.	Ph.D.	Biochemistry and Pathobiochemistry	Analysis of prognostic signs in patients with breast carcinoma and/or colorectal carcinoma.	17 Sep 2019
Yilma Petr	Ing.	Ph.D.	Cell Biology and Pathology	Nuclei receptors in regulation of gene expression, development and metabolism of <i>Caenorhabditis elegans</i> .	28 Nov 2019
Záborský Michal	MUDr.	Ph.D.	Experimental surgery	Use of special optic methods in diagnosis of benign and malignant mucous membrane lesions in the upper respiratory and digestive tracts.	9 Sep 2019
Zemánková Petra	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Analysis of quantitative and qualitative genetic traits in pathogenesis of hereditary forms of solid tumours.	19 Sep 2019
Zikmund Tomáš	RNDr.	Ph.D.	Developmental and Cell Biology	Epigenetic aspects of normal and tumour haematopoiesis: role of chromatin-remodelling ISWI ATPase.	24 Sep 2019

Numbers of students admitted and dissertation theses defended in doctoral study programmes at the First Faculty of Medicine in the past 5 years (2015–2019)

Year	2015	2016	2017	2018	2019	2015–2019
Admitted students	166	169	122	151	155	757
Defended theses	45	53	57	58	65	271



THE MD/PH.D. PROGRAMME IMPLEMENTED IN CO-OPERATION OF CHARLES UNIVERSITY – THE FIRST FACULTY OF MEDICINE AND GENERAL UNIVERSITY HOSPITAL IN PRAGUE

General University Hospital offers students of full-times Ph.D. programmes at the First Faculty of Medicine of Charles University who are studying in the full-time form and have enrolled for pre-attestation specialty training in various educational programmes the option of studying is what is called MD/Ph.D. programme. The aim of this programme is to enable them the quality research at clinical institutions of the hospital in all fields of health care that are considered as priorities. Students are admitted to the MD/Ph.D. programme according to the criteria that are displayed at the websites of General University Hospital and the Faculty. In the programme, students are evaluated by meeting the requirements of the individualized curriculum.

During 2019, General University Hospital put up posts for competition twice:

- 1) For students who had been admitted to the MD/Ph.D. programme and had applied for extension of the employment contract. Five students were allowed to prolong their employment contracts at units of the Faculty and the General University Hospital (1st Department of Medicine, Department of Paediatrics and Adolescent Medicine, Department of Ophthalmology, and BIOCEV); for another two students the prolongation was not approved due to failure to meet the condition of concurrent study in the full-time form of doctoral studies.
- 2) For students who applied for the MD/Ph.D. programme for the first time. Four students met the required criteria and were admitted for full-time employment at a joint unit of General University Hospital and the Faculty (Department of Paediatrics and Adolescent Medicine, 1st Department of Medicine).

CONDITIONS OF STUDIES IN DOCTORAL STUDY PROGRAMMES – SITUATION IN 2019

For doctoral study programmes, not only graduates of the First Faculty of Medicine of Charles University but also graduates of other faculties if meeting the conditions set by the relevant Field Boards. A prerequisite for admission is passing the entrance interview successfully. The interviews are to evaluate, above all, the applicants' professional knowledge and language command as well as their readiness for independent scientific work in the chosen field. Part of the interview is discussion of the submitted project of the doctoral dissertation thesis (presentation of the submitted project of the thesis together with the presumed Supervising Tutor). The application for studies must be supported by enclosed documents as specified in the Conditions of admission procedures (see the website of Charles University).

SCHOLARSHIPS

Granting of scholarships is subject to the Scholarship and Bursary Rules of Charles University, valid since 21st May 2018, effective since 1st June 2018.

Students enrolled in the full-time form of studies are entitled to 48 payments of the bursary. The amount of the bursaries

between 1st October 2018 and 30th September 2019 was set by the Rector's Order number 8/2019 as follows:

1st year CZK 10,500

2nd year CZK 11,000

3rd year CZK 11,500

4th year CZK 12,000

By the Dean's Order number 9/2019, effective since 1st June 2019, the amounts of bursaries for the academic year 2019-2020, are set as follows:

1st year CZK 10,500

2nd year CZK 11,000

3rd year CZK 11,500

4th year CZK 12,000

The fee for entrance procedures in the academic year 2018-2019 for applicants for studies in doctoral study programmes was set at the amount of CZK 540.

The fee for studies in English language is governed by the provisions of Section 58 Subsection 5 of the Act number 111/1998 Coll., Higher Education Act, and Article 4 Subsection 1 of the Appendix No. 2 to the Constitution of Charles University – Fees for Study, and it is set at the amount of CZK 0.



*Prof. RNDr. Libuše Kolářová, CSc.
Vice-Dean for Grant Projects
and Postgraduate Doctoral Studies*



In its sessions, the Scientific Board of the First Faculty of Medicine performed 11 procedures for appointment to professor posts and 15 habilitation procedures to appoint associate professors in 2018. The Faculty is accredited for professor appointment and habilitation procedures in 37 fields.

The Faculty possesses accreditations for 21 doctoral study programmes. In 2019, the total number of 65 students successfully completed their studies in doctoral programmes.

On the occasion of important personal jubilees, and for special merits in development of the University, Prof. MUDr. Jan Škrha, DrSc., was awarded the historic medal of Charles University, and Prof. MUDr. Jan Betka, DrSc. was, granted the gold medal by the Rector of Charles University at the proposal of the Dean of the First Faculty of Medicine in 2019. Silver medals of Charles University, in turn, went to Prof. Přemysl Frič, DrSc., Prof. MUDr. Antonín Kazda, DrSc., Prof. MUDr. Oldřich Eliška, DrSc., Prof. MUDr. Michael Aschermann, DrSc., and Assoc. Prof. MUDr. Václav Jirásek, CSc.

Further, the Rector of Charles University granted the gold medal of Charles University to Prof. MUDr. Karel Pavelka, DrSc., and silver medals of Charles University to Prof. MUDr. Antonín Doležal, DrSc., Prof. MUDr. Antonín Pařízek, DrSc., Prof. MUDr. Jaroslav Živný, DrSc., Assoc. Prof. MUDr. Jan Měšťák, CSc., and Prof. RNDr. Libuše Kolářová, CSc.

In 2019, the Rector's Board of Charles University approved four proposals by the First Faculty of Medicine to appoint visiting professors. To these posts, the following were appointed: Prof. Perry Mark Elliott, University College London for the 2nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague; Prof. Dr. Med. Jiří Dvořák, Neurology, Spine Unit, Schulthess Klinik, Zürich for the Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague; Prof. Sergio Bernardini, MD, PhD., University of Tor Vergata, Rome for Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague; and Prof. Marcela Votruba, School of Optometry & Vision Sciences, University of Cardiff for Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague.

Survey of international grants

Title of project	Type of instrument
Female cancer prediction using cervical omics to individualise screening and prevention (FORECEE)	HORIZON 2020
Conservative iron chelation as a disease-modifying strategy in Parkinson's disease: a multicentric, parallel-group, placebo-controlled, randomized clinical trial of deferiprone (FAIR-PARK-II)	HORIZON 2020
Next generation sepsis diagnosis – SMARTDIAGNOS	HORIZON 2020
Translational studies of HEAD and neck cancer in South America and Europe (HEADSpACE)	HORIZON 2020
Sarcopenia and physical frailty in older people: multi-component treatment strategies (SPRINTT)	IMI Joint Undertaking
connect4children Collaborative Network for European Clinical Trials For Children (C4C)	IMI Joint Undertaking II
STOP-SV – Staff training on prevention of sexual violence: developing prevention and management strategies for the nightlife workplace	Directorate-general justice
Renal Molecular Pathologist Network	Erasmus+

Genetically determined diseases – education and diagnosis” (EDUGEN)	Transnational Cooperation
Development of a model for nurses' role in interprofessional pharmaceutical care	Erasmus+

GRANT SUPPORT FOR SCIENCE AND RESEARCH

Number of grant projects at the First Faculty of Medicine and the General University Hospital 2015–2019

Name of grant agency	2015		2016		2017		2018		2019	
	Faculty	Hospital	Faculty	Hospital	Faculty	Hospital	Faculty	Hospital	Faculty	Hospital
Grant Agency of Czech Republic	32	3	28	5	28	5	32	7	32	3
Grant Agency of Charles University	78	0	78	0	80	0	70	0	71	0
Grant agency of Ministry of Health	41	76	0	0	0	0	0	0	65	0
Agency for Health Research of Czech Republic	27	26	44	46	59	62	67	72	62	66
UNCE, PROGRES, PRIMUS	17	0	17	0	19	0	12	0	21	0
Technology Agency of the Czech Republic	6	1	3	2	5	2	3	4	5	5
Other ministries	22	2	16	1	20	1	15	1	13	2
International grants	22	9	18	6	13	6	11	10	10	11
Subtotal	245	117	204	60	224	76	210	94	279	87
Total Faculty & Hospital	362		264		300		304		366	

Survey of numbers and success rates of the grant applications by agencies between 2015 and 2019

Year of launching of the project	Grant Agency of the Czech Republic			Grant Agency of Charles University			Grant Agency of the Ministry of Health, AZVČR		
	applications	grants	%	applications	grants	%	applications	grants	%
2015	21	3	14	81	29	36	48	16	33
2016	23	5	22	64	18	28	42	11	26
2017	22	8	36	81	28	35	28	6	21
2018	33	5	15	53	16	30	32	6	19
2019	26	7	27	51	17	33	31	10	32

Basic parameters of scientific activity at the First Faculty of Medicine 2015–2019

	Financial and personnel support						Publications (selection)					Response in citations	
	Grant funds allotted in thousands CKR	Number of grant projects incl. those submitted in Gen. Univ. Hospital and Research Concepts	Total manpower of the Faculty (converted to full-time positions)	Number of students in doctoral study programmes	Total number of publications	Total number of authors	Mono-graphs and text-books in Czech or English	Original expert and scientific publications and reviews without IF	Original expert and scientific publications incl. reviews in journals with IF	Number of authors publishing in journals with IF	Total IF scores of the journals in which the publications occurred	Number of citations according to SCI	Number of authors quoted in SCI
2015	376 198	362 0	1203,65 389,333 ^{1/2/}	988	1987	1720	68	622	600	777	2287,5	33856	1221
2016	333 138	264 0	1189,31 (262,029) ^{1/2/}	954	1987	1540	50	615	642	817	2583,9	37351	1185

2017	354 817	300 0	1187,08 (277,241) ^{1/} ^{2/}	1093	1924	1622	60	576	657	798	3089,6	43068	1279
2018	360 581	304 0	1202,13 (302,709) ^{1/} ^{2/}	1082	1948	1694	58	639	704	832	3256,3	50212	1322
2019	379 405	366 0	1216,16 (369,85) ^{1/} ^{2/}	893									

^{1/} From grants^{2/} From Research Concepts – not available any more since 2015

STUDENT SCIENTIFIC CONFERENCE

On 23rd May 2019, our Faculty met a jubilee as we held the traditional Student Scientific Conference, the 20th in line. The 20th Student Scientific Conference took place in the place in the lecture hall and the adjacent rooms of the Purkinje Building at Albertov. The total number of 170 presentations were registered, which could be presented either in the form of lectures or as posters. Students registered in electronic form via a web interface. The registered presentations, or rather their abstracts, were assessed by expert boards, which are listed below and who decided on admission of an abstract in the competitions and the way of its presentation.

For undergraduate presentations:

Assoc. Prof. MUDr. Ondřej Naňka, Ph.D.

Assoc. Prof. RNDr. Jiří Petrák, Ph.D.

MUDr. Otakar Raška, Ph.D.

Assoc. Prof. MUDr. Vladimír Riljak, Ph.D.

Assoc. Prof. MUDr. Jan Živný, Ph.D.

For postgraduate presentations:

PhDr. PaedDr. Pavel Harsa, Ph.D. et Ph.D.

Assoc. Prof. MUDr. Zdeněk Kleibl, Ph.D.

Assoc. Prof. MUDr. Pavel Klener, Ph.D.

Assoc. Prof. MUDr. Tomáš Kučera, Ph.D.

Prof. MUDr. Jan Malík, CSc.

Prof. MUDr. Tomáš Stopka, Ph.D.

Prof. MUDr. Aleš Žák, DrSc.

Assoc. Prof. MUDr. Jan Živný, Ph.D.

Both undergraduate and postgraduate papers presented at the Student Scientific Conference in the form of a lecture were evaluated by the board composed of the following:

Prof. RNDr. Libuše Kolářová, CSc.

Assoc. Prof. Ing. Karel Holada, Ph.D.

Assoc. Prof. MUDr. Jan Živný, Ph.D.

Assoc. Prof. MUDr. Tomáš Kučera, Ph.D.

Assoc. Prof. RNDr. Jiří Petrák, Ph.D.

The board set the standing of the best postgraduate lectures as follows:

1st prize: Ing. Olga Součková (First Faculty of Medicine, Charles University, Doctoral study programme Biochemistry and pathobiochemistry, 5th year)

Topic: New genetically determined defects de novo purine synthesis.

Supervising Tutor: Ing. Marie Zikánová, Ph.D. (Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague)

2nd prize: MUDr. Jiří Nepožitek (First Faculty of Medicine, Charles University, doctoral study programme Neurosciences, 4th year)

Topic: Mixed muscle activity in REM sleep as a new parameter of early conversion to neurodegenerative disease

in idiopathic behavioural disturbances in REM sleep.

Supervising Tutor: Prof. MUDr. Karel Šonka, DrSc. (Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague)

Undergraduate lectures:

1st prize: Petr Výmola (Faculty of Natural Science, Charles University, Developmental and Cell Biology, 5th year)

Topic: Role of stromal cells in expression with fibroblast activating protein in microenvironment of glioblastomas.

Supervising Tutor: MUDr. Eva Balážiová (Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University)

Postgraduate studies presented in the form of posters were evaluated by the board composed of the following:

Assoc. Prof. MUDr. Pavel Klener, Ph.D.

Prof. Ing. Stanislav Kmoch, CSc.

Assoc. Prof. MUDr. Petra Lišková, Ph.D.

Prof. MUDr. Jan Malík, CSc.

MUDr. Jan Škrha, Ph.D.

The board found the following postgraduate posters best:

1st prize: Mgr. Marie Kostelanská (First Faculty of Medicine, Charles University, doctoral study programme Molecular and Cellular Biology, Genetics and Virology 5th year)

Topic: The photodynamic inactivation of prions revealed by mouse bioassay.

Supervising Tutor: Assoc. Prof. Ing. Karel Holada, Ph.D. (Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague)

2nd prize: Mgr. Lenka Stolařová (First Faculty of Medicine, Charles University, doctoral study programme Molecular and Cellular Biology, Genetics and Virology 4th year)

Topic: Functional analysis of kinase activity of sequencing varieties of gene CHEK2.

Supervising Tutor: Prof. MUDr. Zdeněk Kleibl, Ph.D. (Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University)

Undergraduate studies presented in the form of posters were evaluated by the board composed of the following:

Assoc. Prof. MUDr. Ondřej Naňka, Ph.D. and

Assoc. Prof. MUDr. Vladimír Riljak, Ph.D.

The board set the following standing:

1st prize: Iveta Míková (First Faculty of Medicine, Charles University, Institute of Nursing Theory and Practice, First Faculty of Medicine, Charles University, 3rd year)

Topic: Participation of blood plasma donors in the register of bone marrow donors

Supervising Tutor: Mgr. Pavla Kordulová (Institute of Nursing Theory and Practice, First Faculty of Medicine, Charles University)

2nd prize: Phoe Chi Yie Koh (First Faculty of Medicine, 4th year)

Topic: Production of recombinant UnaG, as a bilirubin sensor

Supervising Tutor: MUDr. Martin Leníček, Ph.D. (Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University)

The papers and their presentations in competition were assessed by points (max. number given in brackets) in the following aspects: scientific contribution and knowledge of the problem area (20 points), level of presentation (10 points), and the student's own contribution and independence of work (5 points). A presenter could therefore be given 35 point as the maximum.

Further, the participants of the 20th Student Scientific Conference could vote in a poll to choose the best poster.

Postgraduate posters:

Shared 1st prizes

1st prize: Chia-Ling Chen, M.Sc. (First Faculty of Medicine, Charles University, Doctoral study programme, Human physiology and pathophysiology, 3rd year)

Topic: The CD71/Sca-1 diagram is a useful tool for investigation of hematopoietic stem and progenitor cells

Supervising Tutor: Prof. MUDr. Emanuel Nečas, DrSc. (Institute of Pathological Physiology, First Faculty of Medicine, Charles University)

and

1st prize: MUDr. Nina Borisovna Dusílková (First Faculty of Medicine, Charles University, Doctoral study programme Human physiology and pathophysiology, 7th year)

Topic: Activating mutation of gene IDH2_140R in myelodysplastic syndrome sufferers with poor prognosis

Supervising Tutor: Prof. MUDr. Tomáš Stopka, Ph.D. (Institute of Pathological Physiology, First Faculty of Medicine, Charles University, and BIOCEV)


Undergraduate posters:

1st prize: Andrea Burdová and Jakub Klevar (First Faculty of Medicine, Charles University, Institute of General Practice, First Faculty of Medicine, Charles University, 5th year)


Topic: Incidence of medicinal and addictive drugs in the river Vltava

Supervising Tutor: RNDr. Milena Bušová, CSc. (Institute of Hygiene and Epidemiology, First Faculty of Medicine, Charles University and General University Hospital in Prague)

The award ceremony was held in the Purkinje Building at Albertov in Prague on 23rd May 2019 at 4 p.m.



Prof. RNDr. Libuše Kolářová, CSc.
Vice-Dean for Grant Projects and Postgraduate Doctoral Studies



Assoc. Prof. MUDr. Pavel Klener, Ph.D.
Vice-Dean for Scientific Activities

BIBLIOGRAPHY

For quite a number of years, the Annual Report of the First Faculty of Medicine of Charles University in Prague has presented surveys of the data collected about publishing activities of the Faculty staff members and their statistical analysis concerning particular types of the documents.

Bibliometric data processing is based on classification of publication in categories according to the values of the impact factor (IF) and scoring of the publication result (BIB) points allotted, pursuant to the Resolution VII/7 of the Scientific Council of the First Faculty of Medicine of Charles University of 31st January 2006, as updated by later Resolutions of the Scientific Council of the Faculty.

The survey of point values for particular categories, including the 2018 statistics, is given at page 67.

Distribution of the shares of IF and BIB points as well as citations (SCI) according to the Web of Science data base among the authors was set in such a manner that would give an advantage to the first author and the corresponding author (who are given one third of the total point value) while the remaining third is evenly shared by the other co-authors. For the purpose of conversion of the totals of the points gained by particular organization units to the workload, the total number of position only includes positions of the academic staff (i.e. full, associate and assistant professors, and lecturers).

In 2018, the total of 1,948 items that fall into the categories under survey were published. The number of publishing authors from the First Faculty of Medicine of Charles University was 1,694. In 2018, the total number of 832 authors from the First Faculty of Medicine of Charles University participated in publication of 619 original and 85 synoptic articles in journals with impact factors (IF). The number of citations of publications by authors from the First Faculty of Medicine according to the Web of Science™ data base was 50,212, which is more by 7,144 more, compared to the year before.

Since 2007, the Annual Report of the Faculty has presented the values of the Hirsch index (h-index) each year, both for particular authors (see the table "Hirsch index" – page 85) and the First Faculty of Medicine as a whole. By 31st December 2018, the institutional h-index for the Faculty equalled 139. In the long-term aspect, the First Faculty of Medicine of Charles University shows a constant increase in this value as well.

At full length, the Annual Report presents the survey of studies initiated at the First Faculty of Medicine of Charles University (i.e. with the first or corresponding author from the Faculty) and published in journals with an impact factor in the first field quartile (Q1).

ORIGINAL AND SYNOPTIC PUBLICATIONS IN PERIODICALS IN QUARTILE Q₁ BY THE AUTHOR'S ROLE

BALLARINI, Tommaso - RŮŽIČKA, Filip - BEZDÍČEK, Ondřej - RŮŽIČKA, Evžen - ROTH, Jan - VILLRINGER, Arno - VYMAZAL, Josef - MUELLER, Karsten - SCHROETER, Matthias L. - **JECH, Robert**. Unraveling connectivity changes due to dopaminergic therapy in chronically treated Parkinson's disease patients. *Scientific Reports*. 2018, 8(September). ISSN 2045-2322. IF = 4.011, percentil: 78.986

BAYER, Julia - VACKOVA, Zuzana - SVECOVA, Hana - STIRAND, Petr - SPICAK, Julius - **MARTÍNEK, Jan**. Gentamicin submucosal lavage during peroral endoscopic myotomy (POEM): a retrospective analysis. *Surgical Endoscopy*. 2018, 32(1), 300-306. ISSN 0930-2794. IF = 3.209, percentil: 81.034

BEZDÍČEK, Ondřej - BALLARINI, Tommaso - RŮŽIČKA, Filip - ROTH, Jan - MUELLER, Karsten - JECH, Robert - SCHROETER, Matthias L. Mild cognitive impairment disrupts attention network connectivity in Parkinson's disease: A combined multimodal MRI and meta-analytical study. *Neuropsychologia*. 2018, 112(April), 105-115. ISSN 0028-3932. IF = 2.872, percentil: 76.415

BREJCHOVÁ, Kristýna - TROŠAN, Peter - STUDENÝ, Pavel - SKALICKÁ, Pavlína - UTHEIM, Tor Paaske - BEDNÁR, Jan - JIRSOVÁ, Kateřina. Characterization and comparison of human limbal explant cultures grown under defined and xeno-free conditions. *Experimental Eye Research*. 2018, 176 (November), 20-28. ISSN 0014-4835. IF = 2.998, percentil: 77.500

BRODSKÁ, Helena - VALENTA, Jiří - PELINKOVÁ, Květa - STACH, Zdeněk - ŠACHL, Robert - BALÍK, Martin - ZIMA, Tomáš - DRABEK, Tomas. Diagnostic and prognostic value of presepsin vs. established biomarkers in critically ill patients with sepsis or systemic inflammatory response syndrome. *Clinical Chemistry and Laboratory Medicine*. 2018, 56(4), 658-668. ISSN 1434-6621. IF = 3.638, percentil: 84.483

BURKE, Leslie J. - **ŠEVČÍK, Jan** - GAMBINO, Gaetana - TUDINI, Emma - MUCAKI, Eliseos J. - SHIRLEY, Ben C. - WHILEY, Phillip - PARSONS, Michael T. - DE LEENEER, Kim - GUTIERREZ-ENRIQUEZ, Sara - SANTAMARINA, Marta - CAPUTO, Sandrine M. - DOS SANTOS, Elizabeth Santana - SOUKUPOVÁ, Jana - JANATOVÁ, Markéta - ZEMÁNKOVÁ, Petra - LHOTOVÁ, Klára - STOLAŘOVÁ,

Lenka - BORECKÁ, Marianna - MOLES-FERNANDEZ, Alejandro - MANOUKIAN, Siranoush - BONANNI, Bernardo - EDWARDS, Stacey L. - BLOK, Marinus J. - HANSEN, Thomas van Overeem - ROSSING, Maria - DIEZ, Orland - VEGA, Ana - CLAES, Kathleen B. M. - GOLDSGAR, David E. - ROULEAU, Etienne - RADICE, Paolo - PETERLONGO, Paolo - ROGAN, Peter K. - CALIGO, Maria - SPURDLE, Amanda B. - BROWN, Melissa A. BRCA1 and BRCA2 5' noncoding region variants identified in breast cancer patients alter promoter activity and protein binding. *Human Mutation*. 2018, 39(12), 2025-2039. ISSN 1059-7794. IF = 4.453, percentil: 81.322 (Note: Burke + Ševčík + Gambino: These authors contributed equally to this study and are shared first authors.)

CIBULA, David - ABU-RUSTUM, Nadeem R. - FISCHEROVÁ, Daniela - PATHER, Selvan - LAVIGNE, Katie - SLÁMA, Jiří - ALEKTIAR, Kaled - MING-YIN, Lin - KOCIÁN, Roman - GERMANOVÁ, Anna - FRÜHAUF, Filip - DOSTÁLEK, Lukáš - DUSEK, Ladislav - NARAYAN, Kailash. Surgical treatment of "intermediate risk" lymph node negative cervical cancer patients without adjuvant radiotherapy-A retrospective cohort study and review of the literature. *Gynecologic Oncology*. 2018, 151(3), 438-443. ISSN 0090-8258. IF = 4.393, percentil: 90.964

DOSTÁLEK, Lukáš - ZIKÁN, Michal - FISCHEROVÁ, Daniela - KOCIÁN, Roman - GERMANOVÁ, Anna - FRÜHAUF, Filip - DUSEK, L. - SLÁMA, Jiří - DUNDR, Pavel - NĚMEJCOVÁ, Kristýna - **CIBULA, David**. SLN biopsy in cervical cancer patients with tumors larger than 2 cm and 4 cm. *Gynecologic Oncology*. 2018, 148(3), 456-460. ISSN 0090-8258. IF = 4.393, percentil: 90.964

ĐUĐÁKOVÁ, Ľubica - VERCRUYSEN, Jang Hee J. - BALIKOVA, Irina - POSTOLACHE, Lavina - LEROY, Bart P. - SKALICKÁ, Pavlína - **LIŠKOVÁ, Petra**. Analysis of KERA in four families with cornea plana identifies two novel mutations. *Acta Ophthalmologica*. 2018, 96(1), e87-e91. ISSN 1755-375X. IF = 3.153, percentil: 80.833

FALTUSOVÁ, Kateřina - SZIKSZAI, Katarína - MOLÍK, Martin - LINHARTOVÁ, Jana - PÁRAL, Petr - ŠEFC, Luděk - SAVVU-LIDI, Filipp Georgievič - **NEČAS, Emanuel**. Stem Cell Defect in Ubiquitin-Green Fluorescent Protein Mice Facilitates Engraftment of Lymphoid-Primed Hematopoietic Stem Cells. *Stem Cells*. 2018, 36(8), 1237-1248. ISSN 1066-5099. IF = 5.614, percentil: 89.815

FEČÍKOVÁ, Anna - **JECH, Robert** - ČEJKA, Václav - ČAPEK, Václav - ŠTASTNÁ, Daniela - ŠTĚTKÁŘOVÁ, Ivana - MUELLER, K. - SCHROETER, Mathias L. - RŮŽIČKA, Filip - URGOŠÍK, Dušan. Benefits of pallidal stimulation in dystonia are linked to cerebellar volume and cortical inhibition. *Scientific Reports*. 2018, 8(November). ISSN 2045-2322. IF = 4.011, percentil: 78.986

FRÝDLOVÁ, Jana - ROGALSKY, Daniel Wayne - TRUKSA, Jaroslav - TRAEGER, Lisa - STEINBICKER, Andrea U. - VOKURKA, Martin - **KRIJT, Jan**. Liver HFE protein content is posttranscriptionally decreased in iron-deficient mice and rats. *American Journal of Physiology - Gastrointestinal and Liver Physiology*. 2018, 315(4), G560-G568. ISSN 0193-1857. IF = 3.729, percentil: 79.630

GARCIA-SAEZ, Isabel - MENONI, Herve - BOOPATHI, Ramachandran - SHUKLA, Manu S. - SOUEIDAN, Lama - NOIRCLERC-SAVOYE, Marjolaine - LE ROY, Aline - SKOUFIAS, Dimitrios A. - **BEDNÁŘ, Jan** - HAMICHE, Ali - ANGELOV, Dimitar - PETOSA, Carlo - DIMITROV, Stefan. Structure of an H1-Bound 6-Nucleosome Array Reveals an Untwisted Two-Start Chromatin Fiber Conformation. *Molecular Cell*. 2018, 72(5), 902-915e7. ISSN 1097-2765. IF = 14.548, percentil: 98.161

GREGOROVÍČOVÁ, Martina - SEDMERA, David - JENSEN, Bjarke. Relative position of the atrioventricular canal determines the electrical activation of developing reptile ventricles. *Journal of Experimental Biology*. 2018, 221(11). ISSN 0022-0949. IF = 3.017, percentil: 78.736

HÁJKOVÁ, Nikola - HOJNÝ, Jan - NĚMEJCOVÁ, Kristýna - DUNDR, Pavel - ULRYCH, Jan - JIRSOVÁ, Kateřina - GLEZGOVÁ, Johana - **TICHÁ, Ivana**. Germline mutation in the TP53 gene in uveal melanoma. *Scientific Reports*. 2018, 8(May). ISSN 2045-2322. IF = 4.011, percentil: 78.986

HALUZÍK, Martin - FULCHER, Greg - PIEBER, Thomas R. - BARDTRUM, Lars - TUTKUNKARDAS, Deniz - RODBARD, Helena W. The co-formulation of insulin degludec and insulin aspart lowers fasting plasma glucose and rates of confirmed and nocturnal hypoglycaemia, independent of baseline glycated haemoglobin levels, disease duration or body mass index: A pooled meta-analysis of phase III studies in patients with type 2 diabetes. *Diabetes, Obesity & Metabolism*. 2018, 20(7), 1585-1592. ISSN 1462-8902. IF = 6.133, percentil: 89.310

HALUZÍK, Martin - KRATOCHVÍLOVÁ, Helena - HALUZÍKOVÁ, Denisa - MRÁZ, Miloš. Gut as an emerging organ for the treatment of diabetes: focus on mechanism of action of bariatric and endoscopic interventions. *Journal of Endocrinology*. 2018, 237(1), R1-R17. ISSN 0022-0795. IF = 4.381, percentil: 78.966

HARUŠTIÁK, Tomáš - ZEMANOVÁ, Milada - FENCL, P. - HORNOFOVÁ, Ludmila - PAZDRO, Alexandr - ŠNAJDAUF, Martin - ŠÁL-KOVÁ, Eva - LISCHKE, Robert - STOLZ, Alan. [F-18] Fluorodeoxyglucose PET/CT and prediction of histopathological response to neoadjuvant chemotherapy for adenocarcinoma of the oesophagus and oesophagogastric junction. *British Journal of Surgery*. 2018, 105(4), 419-428. ISSN 0007-1323. IF = 5.572, percentil: 96.305

HLUŠIČKA, Jiří - LOSTER, Tomáš - LISCHKOVÁ, Lucie - VANĚČKOVÁ, Manuela - SEIDL, Zdeněk - DIBLÍK, Pavel - KUTHAN, Pavel - URBAN, Pavel - NAVRÁTIL, Tomáš - KAČER, Petr - ZACHAROV, Sergej. Role of activation of lipid peroxidation in the mechanisms of acute methanol poisoning. *Clinical Toxicology*. 2018, 56(10), 893-903. ISSN 1556-3650. IF = 4.398, percentil: 86.559

HSIEH, Wan Chin - JANSÁ, Pavel - HUANG, Wei Chun - NIŽNANSKÝ, Matúš - OMARA, Mohamend - LINDNER, Jaroslav. Residual pulmonary hypertension after pulmonary endarterectomy: A meta-analysis. *The Journal of Thoracic and Cardiovascular Surgery*. 2018, 156(3), 1275-1287. ISSN 0022-5223. IF = 5.261, percentil: 95.813

HUBKA, Vít - BARRS, V. - DUDOVÁ, Zuzana - SKLENÁŘ, František - KUBÁTOVÁ, Alena - MATSUZAWA, T. - YAGUCHI, T. - HORIE, Y. - NOVÁKOVÁ, Alena - FRISVAD, J. C. - TALBOT, J. J. - KOLÁŘÍK, Miroslav. Unravelling species boundaries in the *Aspergillus viridinutans* complex (section *Fumigati*): opportunistic human and animal pathogens capable of interspecific hybridization. *Persoonia*. 2018, 41(december), 142-174. ISSN 0031-5850. IF = 6.860, percentil: 91.379

JASPROVÁ, Jana - DAL BEN, Matteo - HURNÝ, David - HWANG, Sunhee - ŽIŽALOVÁ, Kateřina - KOTEK, Jan - WONG, Ronald James - STEVENSON, David K. - GAZZIN, Silvia - TIRIBELLI, Claudio - **VÍTEK, Libor**. Neuro-inflammatory effects of photodegradative products of bilirubin. *Scientific Reports*. 2018, 8(May). ISSN 2045-2322. IF = 4.011, percentil: 78.986

KAISER, Radek - NASTO, Luigi Aurelio - VENKATESAN, Murali - WALDAUF, Petr - PEREZ, Belen - STOKES, Oliver M. - HADDAD, Sleiman - MEHDIAN, Hossein - TSEGAYE, Magnum. Time Factor and Disc Herniation Size: Are They Really Predictive for Outcome of Urinary Dysfunction in Patients With Cauda Equina Syndrome?. *Neurosurgery*. 2018, 83(6), 1193-1200. ISSN 0148-396X. IF = 4.605, percentil: 94.335

KLÍMOVÁ, Aneta - HEISSIGEROVÁ, Jarmila - ŘÍHOVÁ, Eva - BRICHOVÁ, Michaela - PYTLÍK, Robert - ŠPIČKA, Ivan - MRÁZOVÁ, Kateřina - KAROLOVÁ, Jana - SVOZÍLKOVÁ, Petra. Combined treatment of primary vitreoretinal lymphomas significantly prolongs the time to first relapse. *British Journal of Ophthalmology*. 2018, 102(11), 1579-1585. ISSN 0007-1161. IF = 3.615, percentil: 85.167

KOLESOVÁ, Hana - BARTOŠ, Martin - HSIEH, Wan Chin - OLEJNÍČKOVÁ, Veronika - SEDMERA, David. Novel Approaches to Study Coronary Vasculature Development in Mice. *Developmental Dynamics*. 2018, 247(8), 1018-1027. ISSN 1058-8388. IF = 2.852, percentil: 88.095

KŘÍŽEK, Tomáš - BURSOVÁ, Miroslava - HORSLEY, Rachel - KUCHAR, Martin - TŮMA, Petr - ČABALA, Radomír - **HLOŽEK, Tomáš**. Menthol-based hydrophobic deep eutectic solvents: Towards greener and efficient extraction of phytocannabinoids. *Journal of Cleaner Production*. 2018, 193(August), 391-396. ISSN 0959-6526. IF = 6.395, percentil: 93.028

LAMBERT, Lukáš - MAREK, Josef - FINGROVÁ, Zdeňka - **HAVRÁNEK, Štěpán** - KUCHYNKA, Petr - ČERNÝ, Vladimír - ŠIMEK, Jan - BURGETOVÁ, Andrea. The predictive value of cardiac morphology for long-term outcome of patients undergoing catheter ablation for atrial fibrillation. *Journal of Cardiovascular Computed Tomography*. 2018, 12(5), 418-424. ISSN 1934-5925. IF = 3.316, percentil: 75.581

LEONTOVYČ, Adrian - ULRYCHOVÁ, Lenka - O'DONOGHUE, Anthony J. - VONDRÁŠEK, Jiří - MARESOVA, Lucie - HUBALEK, Martin - FAJTOVÁ, Pavla - CHANOVÁ, Marta - JIANG, Zhenze - CRAIK, Charles S. - CAFFREY, Conor R. - MARES, Michael - DVORAK, Jan - HORN, Martin. SmSP2: A serine protease secreted by the blood fluke pathogen *Schistosoma mansoni* with anti-hemostatic properties. *PLoS Neglected Tropical Diseases [online]*. 2018, 12(4). ISSN 1935-2735. IF = 4.487, percentil: 97.619

LIŠKOVÁ, Petra - **ĐUĐÁKOVÁ, Ľubica** - EVANS, Cerys J. - LOPEZ, Karla E. Rojas - PONTIKOS, Nikolas - ATHANASIOU, Dimitra - JAMA, Hodan - ŠACH, Josef - SKALICKÁ, Pavlína - STRÁNECKÝ, Viktor - KMOCH, Stanislav - THAUNG, Caroline - FILIPEC, Martin - CHEETHAM, Michael E. - DAVIDSON, Alice E. - TUFT, Stephen J. - HARDCASTLE, Alison J. Ectopic GRHL2 Expression Due to Non-coding Mutations Promotes Cell State Transition and Causes Posterior Polymorphous Corneal Dystrophy 4. *The American Journal of Human Genetics*. 2018, 102(3), 447-459. ISSN 0002-9297. IF = 9.924, percentil: 95.115
(Pozn. P.L., L.D., C.E, K.L, N.P. - These authors contributed equally to this work.)

LUKAVSKÁ, Kateřina. The immediate and long-term effects of time perspective on Internet gaming disorder. *Journal of Behavioral Addictions*. 2018, 7(1), 44-51. ISSN 2062-5871. IF = 4.873, percentil: 84.589

MARTÍNEK, Jan - SVECOVA, Hana - VACKOVA, Zuzana - DOLEŽEL, Radek - NGO, Ondrej - KRAJCIOVA, Jana - KIESLICOVA, Eva - JANOUSEK, Radim - PAZDRO, Alexandr - HARUŠTIAK, Tomáš - ZDRHOVÁ, Lucie - LOUDOVA, Pavla - STIRAND, Petr - SPICAK, Julius. Per-oral endoscopic myotomy (POEM): mid-term efficacy and safety. *Surgical Endoscopy*. 2018, 32(3), 1293-1302. ISSN 0930-2794. IF = 3.209, percentil: 81.034

MUELLER, Karsten - **JECH, Robert** - RŮŽIČKA, Filip - HOLIGA, Štefan - BALLARINI, Tommaso - BEZDÍČEK, Ondřej - MÖLLER, Harald E. - VYMAZAL, Josef - RŮŽIČKA, Evžen - SCHROETER, Matthias L. - URGOŠÍK, Dušan. Brain connectivity changes when comparing effects of subthalamic deep brain stimulation with levodopa treatment in Parkinson's disease. *NeuroImage: Clinical*. 2018, 19(May), 1025-1035. ISSN 2213-1582. IF = 3.943, percentil: 82.143

(Note: Mueller + Jech: "Authors contributed equally to the study.")

NEBURKOVÁ, Jitka - SEDLÁK, František - ŽÁČKOVÁ SUCHANOVÁ, Jiřina - KOSTKA, Libor - ŠÁCHA, Pavel - ŠUBR, Vladimír - ETRYCH, Tomáš - ŠIMON, Petr - BAŘINKOVÁ, Jitka - KRYŠTŮFEK, Robin - ŠPANILOVÁ, Hana - FORSTOVÁ, Jitka - KONVALINKA, Jan - CÍGLER, Petr. Inhibitor-GCPII Interaction: Selective and Robust System for Targeting Cancer Cells with Structurally Diverse Nanoparticles. *Molecular Pharmaceutics*. 2018, 15(8), 2932-2945. ISSN 1543-8384. IF = 4.396, percentil: 85.581

NECHANSKÁ, Blanka - MRAVČÍK, Viktor - SKURTVEIT, Svetlana - LUND, Ingunn Olea - GABRHELÍK, Roman - ENGELAND, Anders - HANDAL, Marte. Neonatal outcomes after fetal exposure to methadone and buprenorphine: national registry studies from the Czech Republic and Norway. *Addiction*. 2018, 113(7), 1286-1294. ISSN 0965-2140. IF = 6.851, percentil: 97.368

NURIEVA, Olga - DIBLÍK, Pavel - KUTHAN, Pavel - SKLENKA, Petr - MELIŠKA, Martin - BYDŽOVSKÝ, Jan - HEISSIGEROVÁ, Jarmila - URBAN, Pavel - KOTÍKOVÁ, Kateřina - NAVRÁTIL, Tomáš - KOMARC, Martin - SEIDL, Zdeněk - VANĚČKOVÁ, Manuela - PELCLOVÁ, Daniela - **ZACHAROV, Sergej**. Progressive Chronic Retinal Axonal Loss Following Acute Methanol-induced Optic Neuropathy: Four-Year Prospective Cohort Study. *American Journal of Ophthalmology*. 2018, 191(July), 100-115. ISSN 0002-9394. IF = 4.483, percentil: 90.833

ONDRUŠKOVÁ, Nina - HONZÍK, Tomáš - KOLÁŘOVÁ, Hana - PAKANOVÁ, Zuzana - MUCHA, Jan - ZEMAN, Jiří - **HANSÍKOVÁ, Hana**. Aberrant apolipoprotein C-III glycosylation in glycogen storage disease type III and IX. *Metabolism: Clinical and Experimental*. 2018, 82(May), 135-141. ISSN 0026-0495. IF = 6.513, percentil: 90.690

PÁNKOVÁ, Alexandra - KRÁLÍKOVÁ, Eva - ŠTĚPÁNKOVÁ, Lenka - ZVOLSKÁ, Kamila - BORTLÍČEK, Zbyněk - BLÁHA, Milan - CLARK, Matthew M. - SCHROEDER, Darrell R. - CROGHAN, Ivana T. Weight Concerns Associated With Delay in Quit Date But Not Treatment Outcomes: A Czech Republic Experience. *Nicotine and Tobacco Research*. 2018, 20(1), 89-94. ISSN 1462-2203. IF = 3.786, percentil: 86.842

PAWLIK, Anna - SOCHA, Robert P. - **HUBÁLEK KALBÁČOVÁ, Marie** - SULKA, Grzegorz D. Surface modification of nanoporous anodic titanium dioxide layers for drug delivery systems and enhanced SAOS-2 cell response. *Colloids and Surfaces B: Biointerfaces*. 2018, 171(November), 58-66. ISSN 0927-7765. IF = 3.973, percentil: 80.137

PELCLOVÁ, Daniela - ZDIMAL, Vladimír - KOMARC, Martin - VLČKOVÁ, Štěpánka - FENCLOVÁ, Zdenka - ONDRACEK, Jakub - SCHWARZ, Jaroslav - KOSTEJN, Martin - KAČER, Petr - DVORACKOVA, Stepanka - POPOV, Alexey - KLUSÁČKOVÁ, Pavlína - ZACHAROV, Sergej - BELLO, Dhimiter. Deep Airway Inflammation and Respiratory Disorders in Nanocomposite Workers. *Nanomaterials*. 2018, 8(9). ISSN 2079-4991. IF = 4.034, percentil: 75.939

PELCLOVÁ, Daniela - ZDIMAL, Vladimír - SCHWARZ, Jaroslav - DVORACKOVA, Stepanka - KOMARC, Martin - ONDRACEK, Jakub - KOSTEJN, Martin - KAČER, Petr - VLČKOVÁ, Štěpánka - FENCLOVÁ, Zdenka - POPOV, Alexey - LISCHKOVÁ, Lucie - ZACHAROV, Sergej - BELLO, Dhimiter. Markers of Oxidative Stress in the Exhaled Breath Condensate of Workers Handling Nanocomposites. *Nanomaterials*. 2018, 8(8). ISSN 2079-4991. IF = 4.034, percentil: 75.939

PEŠEVSKI, Živorad - KVASILOVÁ, Alena - STOPKOVÁ, Tereza - NAŇKA, Ondřej - DROBNÁ KREJČÍ, Eliška - BUFFINTON, Christine - KOCKOVA, Radka - ECKHARDT, Adam - **SEDMERA, David**. Endocardial Fibroelastosis is Secondary to Hemodynamic Alterations in the Chick Embryonic Model of Hypoplastic Left Heart Syndrome. *Developmental Dynamics*. 2018, 247(3), 509-520. ISSN 1058-8388. IF = 2.852, percentil: 88.095

PTÁČKOVÁ, Pavlína - MUSIL, Jan - ŠTACH, Martin - LESNÝ, Petr - NĚMEČKOVÁ, Šárka - KRÁL, Vlastimil - FÁBRY, Milan - **OTÁHAL, Pavel**. A new approach to CAR T-cell gene engineering and cultivation using piggyBac transposon in the presence of IL-4, IL-7 and IL-21. *Cytotherapy*. 2018, 20(4), 507-520. ISSN 1465-3249. IF = 4.297, percentil: 82.407

REJHOVÁ, Alexandra - OPATTOVÁ, Alena - ČUMOVÁ, Andrea - SLÍVA, Daniel - VODIČKA, Pavel. Natural compounds and combination therapy in colorectal cancer treatment. *European Journal of Medicinal Chemistry*. 2018, 144(January), 582-594. ISSN 0223-5234. IF = 4.833, percentil: 92.623

ROTH, Jan. The colorful spectrum of Tourette syndrome and its medical, surgical and behavioral therapies. *Parkinsonism and Related Disorders*. 2018, 46(Supplement 1), S75-S79. ISSN 1353-8020. IF = 4.360, percentil: 81.658

RUSZ, Jan - HLAVNÍČKA, Jan - TYKALOVÁ, Tereza - NOVOTNÝ, Michal - DUŠEK, Petr - ŠONKA, Karel - RŮŽIČKA, Evžen. Smart-phone Allows Capture of Speech Abnormalities Associated With High Risk of Developing Parkinson's Disease. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*. 2018, 26(8), 1495-1507. ISSN 1534-4320. IF = 3.478, percentil: 93.077

RUSZ, Jan - TYKALOVÁ, Tereza - FEČÍKOVÁ, Anna - ŠTASTNÁ, Daniela - URGOŠÍK, Dušan - JECH, Robert. Dualistic effect of pallidal deep brain stimulation on motor speech disorders in dystonia. *Brain Stimulation*. 2018, 11(4), 896-903. ISSN 1935-861X. IF = 6.919, percentil: 93.216

RYBOVÁ, Jitka - LEDVINOVÁ, Jana - SIKORA, Jakub - KUCHAR, Ladislav - **DOBROVOLNÝ, Robert**. Neural cells generated from human induced pluripotent stem cells as a model of CNS involvement in mucopolysaccharidosis type II. *Journal of Inherited Metabolic Disease*. 2018, 41(2), 221-229. ISSN 0141-8955. IF = 4.287, percentil: 79.598

ŘEHULKA, Jiří - KUBÁTOVÁ, Alena - **HUBKA, Vít**. Swim bladder mycosis in pretty tetra (*Hemigrammus pulcher*) caused by *Exophiala pisciphila* and *Phaeophleospora hymenocallidicola*, and experimental verification of pathogenicity. *Journal of Fish Diseases*. 2018, 41(3), 487-500. ISSN 0140-7775. IF = 1.988, percentil: 84.043

SANA, Jiri - **BUŠEK, Petr** - FADRUS, Pavel - BESSE, Andrej - RADOVA, Lenka - VECERA, Marek - REGULI, Štefan - STOLLINOVÁ ŠROMOVÁ, Lucie - HILŠER, Marek - LIPINA, Radim - LAKOMY, Radek - KREN, Leos - SMRČKA, Martin - **ŠEDO, Aleksi** - SLABY, Ondrej. Identification of microRNAs differentially expressed in glioblastoma stem-like cells and their association with patient survival. *Scientific Reports*. 2018, 8(February). ISSN 2045-2322. IF = 4.011, percentil: 78.986
(Note: Jiri Sana and Petr Busek contributed equally to this work.)

SEDLACEK, Ondrej - **JIRÁK, Daniel** - GALISOVA, Andrea - JAGER, Eliezer - LAASER, Jennifer E. - LODGE, Timothy P. - STEPANEK, Petr - HRUBY, Martin. 19F Magnetic Resonance Imaging of Injectable Polymeric Implants with Multiresponsive Behavior. *Chemistry of Materials*. 2018, 30(15), 4892-4896. ISSN 0897-4756. IF = 10.159, percentil: 82.662

SKÁLA, Vladimír - WALKER, Anthony J. - HORÁK, Petr. Extracellular trap-like fiber release may not be a prominent defence response in snails: evidence from three species of freshwater gastropod molluscs. *Developmental and Comparative Immunology*. 2018, 79(February), 137-141. ISSN 0145-305X. IF = 3.119, percentil: 96.176

STEIJN, Rebecca Vicente - SEDMERA, David - BLOM, Nico A. - JONGBLOED, Monique - KVASILOVÁ, Alena - **NAŇKA, Ondřej**. Apoptosis and epicardial contributions act as complementary factors in remodeling of the atrioventricular canal myocardium and atrioventricular conduction patterns in the embryonic chick heart. *Developmental Dynamics*. 2018, 247(9), 1033-1042. ISSN 1058-8388. IF = 2.852, percentil: 88.095

STIBŮRKOVÁ, Blanka - PAVELCOVÁ, Kateřina - PETRŮ, Lenka - KRIJT, Jakub. Thiopurine-induced toxicity is associated with dysfunction variant of the human molybdenum cofactor sulfurase gene (xanthinuria type II). *Toxicology and Applied Pharmacology*. 2018, 353(August), 102-108. ISSN 0041-008X. IF = 3.585, percentil: 77.957

ŠETINOVÁ, Dita - ŠMÍDOVÁ, Klára - POHL, Pavel - MUSIC, Inesa - **BOBEK, Jan**. RNase III-Binding-mRNAs Revealed Novel Complementary Transcripts in *Streptomyces*. *Frontiers in Microbiology*. 2018, 8(January). ISSN 1664-302X. IF = 4.259, percentil: 76.316

ŠIMJÁK, Patrik - CINKAJZLOVÁ, Anna - ANDERLOVÁ, Kateřina - PAŘÍZEK, Antonín - MRÁZ, Miloš - KRŠEK, Michal - **HALUZÍK, Martin**. The role of obesity and adipose tissue dysfunction in gestational diabetes mellitus. *Journal of Endocrinology*. 2018, 238(2), R63-R77. ISSN 0022-0795. IF = 4.381, percentil: 78.966

ŠRŮTOVÁ, Klára - **ČUŘÍK, Nikola** - BURDA, Pavel - SAVVULIDI, Filipp - SILVESTRI, Giovannino - TROTTA, Rossana - KLAMOVIČ, Hana - PECHERKOVA, Pavla - SOVOVA, Zofie - KOBLIHOVA, Jitka - STOPKA, Tomáš - PERROTTI, Danilo - **MACHOVÁ POLÁKOVÁ, Kateřina**. BCR-ABL1 mediated miR-150 downregulation through MYC contributed to myeloid differentiation block and drug resistance in chronic myeloid leukemia. *Haematologica*. 2018, 103(12), 2016-2025. ISSN 0390-6078. IF = 7.570, percentil: 91.096 (Note: Šrůtová + Čuřík: SK and CN contributed equally to this work.)

ŠTENGL, Václav - ŠTASTNÝ, Martin - JANOŠ, Pavel - MAZANEC, Karel - PEREZ-DIAZ, Jose Luis - ŠTENGLOVÁ NETÍKOVÁ, Irena. From the Decomposition of Chemical Warfare Agents to the Decontamination of Cytostatics. *Industrial and Engineering Chemistry Research*. 2018, 57(6), 2114-2122. ISSN 0888-5885. IF = 3.375, percentil: 76.449

ŠTENGLOVÁ NETÍKOVÁ, Irena - PETRUŽELKA, Luboš - ŠTASTNÝ, Martin - ŠTENGL, Václav. Safe decontamination of cytostatics from the nitrogen mustards family. Part one: cyclophosphamide and ifosfamide. *International Journal of Nanomedicine [online]*. 2018, 13(November), 7971-7985. ISSN 1178-2013. IF = 4.471, percentil: 87.453

TESAŘ, Vladimír - HRUŠKOVÁ, Zdenka. Avacopan in the treatment of ANCA-associated vasculitis. *Expert Opinion on Investigational Drugs*. 2018, 27(5), 491-496. ISSN 1354-3784. IF = 4.031, percentil: 81.086

TICHÁ, Anežka - COLLIS, Blanka - STRÍŠOVSKÝ, Kvido. The Rhomboid Superfamily: Structural Mechanisms and Chemical Biology Opportunities. *Trends in Biochemical Sciences*. 2018, 43(9), 726-739. ISSN 0968-0004. IF = 16.889, percentil: 98.829

UHER, Tomáš - KRÁSENSKÝ, Jan - SOBÍŠEK, Lukáš - BLAHOVÁ DUŠÁNKOVÁ, Jana - SEIDL, Zdeněk - KUBALA HAVRDOVÁ, Eva - SORMANI, Maria Pia - HORÁKOVÁ, Dana - KALINČÍK, Tomáš - VANĚČKOVÁ, Manuela. Cognitive clinico-radiological paradox in early stages of multiple sclerosis. *Annals of Clinical and Translational Neurology [online]*. 2018, 5(1), 81-91. ISSN 2328-9503. IF = 4.656, percentil: 85.678

VALUŠKOVÁ, Paulína - FARÁR, Vladimír - FORCZEK, Sandor - KRÍŽOVÁ, Iva - **MYSLIVEČEK, Jaromír**. Autoradiography of H-3-pirenzepine and H-3-AFDX-384 in Mouse Brain Regions: Possible Insights into M-1, M-2, and M-4 Muscarinic Receptors Distribution. *Frontiers in Pharmacology*. 2018, 9(February). ISSN 1663-9812. IF = 3.845, percentil: 78.090

VODENKOVÁ, Soňa - JIRÁSKOVÁ, Kateřina - URBANOVÁ, Markéta - KROUPA, Michal - SLYŠKOVÁ, Jana - SCHNEIDEROVÁ, Michaela - LEVÝ, Miroslav - BÜCHLER, Tomáš - LIŠKA, Václav - VODIČKOVÁ, Ludmila - VYMETÁLKOVÁ, Veronika - COLLINS, Andrew - OPATTOVÁ, Alena - **VODIČKA, Pavel**. Base excision repair capacity as a determinant of prognosis and therapy response in colon cancer patients. *DNA Repair*. 2018, 72(December), 77-85. ISSN 1568-7864. IF = 3.711, percentil: 79.032

VRABLÍK, Michal - RASLOVA, Katarina - VOHNOUT, Branislav - BLÁHA, Vladimír - ŠATNÝ, Martin - KYSELAK, Ondrej - VACLOVÁ, Martina - URBANEK, Robin - MASKOVA, Jana - SOSKA, Vladimir - FREIBERGER, Tomas. Real-life LDL-C treatment goals achievement in patients with heterozygous familial hypercholesterolemia in the Czech Republic and Slovakia: Results of the PLANET registry. *Atherosclerosis*. 2018, 277(October), 355-361. ISSN 0021-9150. IF = 4.255, percentil: 82.302

ŽIKÁNOVÁ, Marie - WAHEZI, Dawn - HAY, Arielle - STIBŮRKOVÁ, Blanka - PITTS, Charles III - MUŠÁLKOVÁ, Dita - ŠKOPOVÁ, Václava - BAREŠOVÁ, Veronika - SOUČKOVÁ, Olga - HODAŇOVÁ, Kateřina - ŽIVNÁ, Martina - STRÁNECKÝ, Viktor - HARTMANNOVÁ, Hana - HNÍZDA, Aleš - **BLEYER, Anthony** - KMOCH, Stanislav. Clinical manifestations and molecular aspects of phosphoribosylpyrophosphate synthetase superactivity in females. *Rheumatology*. 2018, 57(7), 1180-1185. ISSN 1462-0324. IF = 5.149, percentil: 88.710

ŽIVNÁ, Martina - KIDD, Kendrah - **PŘISTOUPILOVÁ, Anna** - BAREŠOVÁ, Veronika - DEFELICE, Mathew - BLUMENSTIEL, Brendan - HARDEN, Maegan - CONLON, Peter - LAVIN, Peter - CONNAUGHTON, Dervla M. - HARTMANNOVÁ, Hana - HODAŇOVÁ, Kateřina - STRÁNECKÝ, Viktor - VRBACKÁ, Alena - VYLEŤAL, Petr - ŽIVNÝ, Jan - VOTRUBA, Miroslav - SOVOVÁ, Jana - HŮLKOVÁ, Helena - ROBINS, Victoria - PERRY, Rebecca - WENZEL, Andrea - BECK, Bodo B. - SEEMAN, Tomáš - VIKLICKÝ, Ondřej - RAJNOCHOVÁ-BLOUDÍČKOVÁ, Sylvie - PAPAGREGORIOU, Gregory - DELTAS, Constantinos C. - ALPER, Seth L. - GREKA, Anna - **BLEYER, Anthony** - KMOCH, Stanislav. Noninvasive Immunohistochemical Diagnosis and Novel MUC1 Mutations Causing Autosomal Dominant Tubulointerstitial Kidney Disease. *Journal of the American Society of Nephrology*. 2018, 29(9), 2418-2431. ISSN 1046-6673. IF = 8.547, percentil: 95.625

(Note: M.Z., K.K., and A.P. contributed equally to this study.)

Publications in journals with the highest IF in 2018, in which authors from the First Faculty of Medicine of Charles University published

IF 2018	Total number of publications with participation of authors from the Faculty	Number of publications in which the author from the Faculty is the first or corresponding one
20.000–70.670	23	0
15.000–19.999	15	2
10.000–14.999	18	1
8.000–9.999	13	2
7.000–7.999	17	4
6.000–6.999	37	6
5.000–5.999	29	6
Total	152	21

Total publishing output of the First Faculty of Medicine of Charles University in 2016–2018 – survey

Type of document	BIB points	2016	2017	2018	
Primary publication in scientific / professional journal with IF	10	570	581	619	
Primary publication in scientific / professional journal without IF – indexed	2	126	128	148	
Primary publication in scientific / professional journal without IF – not indexed	1.5	76	85	103	
Synoptic article in scientific / professional journal with IF	7	72	76	85	
Synoptic article in scientific / professional journal without IF – indexed	3	156	157	133	
Synoptic article in scientific / professional journal without IF – not indexed	2	257	206	255	
Translation of article in scientific / professional journal, or of chapter in monograph to Czech language	0.25	5	0	4	
Translation of article in scientific / professional journal, or of chapter in monograph from Czech language	0.5	0	0	0	
Review	0	19	17	13	
Case study in scientific / professional journal with IF	3	11	14	18	
Case study in scientific / professional journal without IF – not indexed	1	43	38	42	
Case study in scientific / professional journal without IF – not indexed	0.75	41	53	41	
Popularizing article a)	0.2	28	29	6	
Other type of article b)	0.2	162	170	160	
Abstract of conference presentation in scientific / professional journal with IF	not collected ^{d)}	not collected	not collected	not collected	
Other abstract, lecture, poster	not collected	not collected	not collected	not collected	
Letter to the editors in scientific / professional journal with IF	1	25	21	15	
Letter to the editors in scientific / professional journal without IF	0.5	2	4	1	
Editorial in scientific / professional journal with IF	5	11	4	5	
Editorial in scientific / professional journal without IF	0.25	27	30	24	
Publication in conference proceedings – in Czech / Slovak language	1	89	37	86	
Publication in conference proceedings – in other than Czech / Slovak language	2	10	10	11	
Monograph – in Czech / Slovak language ^{1), 2)}	0.5	40	48	47	
Monograph – in other than Czech / Slovak language ^{1), 2)}	1	1	2	4	
Textbook, proceedings/collection – in Czech / Slovak language ¹⁾	0.5	7	8	7	
Textbook, proceedings/collection – in other than Czech / Slovak language ¹⁾	1	2	2	0	
Chapter in monograph, textbook, collection (not conference proceedings) – in Czech / Slovak language ^{1), 2)}	0.5	88	47	34	
Chapter in monograph, textbook, collection (not conference proceedings) – in other than Czech / Slovak language ^{1), 2)}	1	26	20	13	

Type of document	BIB points	2016	2017	2018	
Cyclopaedia, dictionary, reference book, yearbook, review manual, popularizing scientific book c) / chapter(s) in such books – in Czech / Slovak language ¹⁾	0.2	22	11	14	
Cyclopaedia, dictionary, reference book, yearbook, review manual, popularizing scientific book c) / chapter(s) in such books – in other than Czech / Slovak language ¹⁾	0.4	1	0	1	
Translation of monograph / chapter in monograph – to Czech language ¹⁾	0.15	1	1	0	
Translation of monograph / chapter in monograph – from Czech language ¹⁾	0.3	0	0	0	
Patents and inventions	10	3	6	4	
Technologies, treatment procedures	10	0	3	0	
Habilitation, dissertation and doctorate thesis	2	4	2	3	
AV design, SW, internet resource, e-learning, conference, workshop, exhibition	2	60	34	41	
Miscellaneous, other results	0	2	80	11	pozn.
Total number of publication items		1987	1924	1948	I
Number of authors from the First Faculty of Medicine of Charles University		1540	1622	1694	II
Total IF of publications in the category primary/synoptic article with IF		2583,916	3089,94	3256,286	III
Number of authors from the First Faculty of Medicine, publishing in journals with IF		817	798	832	IV
Number of citations in SCI		37351	43068	50212	V
Number of authors from the First Faculty of Medicine, quoted in SCI		1185	1279	1355	VI

Indexed / not indexed = article in “non-impacted” journal entered / not entered (respectively) in data bases SCOPUS, Medline or ERIH.

Articles such as multicentre study – co-authorship will only be included if the author from the Faculty is one of the main authors (but not in the case he/she is only mentioned e.g. in acknowledgements for supplying particular statistic data etc.)

1) Value of books and chapters is calculated for every commenced 5 printed pages of the respective publication.

2) Mere editorship or nominal head authorship of a monograph is evaluated as 20 % of the total value of the publication, other authors receive 80 % points of the total value.

Following the discussion in the 1st session of Dean's Board (5 Sep 2016) and approval at the session of the Scientific Board (20 Sep 2016), IF points for an impacted publication are calculated from the constant corresponding to the mean value for the given journal with IF according to its classification in the respective quartile (Q):
Q1 = 5.026 a Q2 = 2.903. Q3 = 1.980 a Q4 = 1.093.

a) formerly: primary article in newspaper or science popularizing journal

b) merging former sub-categories: Other types of articles in scientific / professional journals; Biographic article (anniversary, obituary) in scientific / professional journal; Reports of conferences and professional association sessions in scientific / professional journals

c) formerly: popularizing enlightening book

d) collection of any abstracts cancelled by the resolution of Dean Office Board of 5th January 2009

I – number of entries in the bibliographic data base

II – number of authors whose total IF + SCI + BIB > 0.0000

III – total of IF publications in categories Primary publication in scientific/professional journal with IF and Synoptic article in scientific / professional journal with IF (without case studies in scientific / professional journal with IF, letter to the editors in scientific / professional journal with IF)

IV – number of authors whose total IF > 0.0000

V – total SCI points of authors from the First Faculty of Medicine (NOT the number of citations of all articles with at least one co-author from the Faculty)

VI – number of authors whose total SCI > 0

Amounts of BIB, SCI and their total in 2018 – organization units

Organization unit	BIB ¹	BIB – standing without conversion to full-time positions	SCI ¹	SCI – standing without conversion to full-time positions	IF ¹	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF ²	Total BIB, SCI and IF – standing without conversion to full-time positions 18
Institute of Anatomy, First Faculty of Medicine, Charles University	159,37	8.	170,25	11.	65,95	12.	697,73	10.
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine, and General University Hospital	1,41	71.	3,52	64.	0,00	67.–74.	8,45	68.
BIOCEV – First Faculty of Medicine, Charles University	72,74	25.	79,29	20.	47,55	14.	373,99	17.
Center for Advanced Preclinical Imaging, First Faculty of Medicine, Charles University	34,47	43.	12,09	51.	21,36	31.	122,74	44.
Centre of Experimental Biomodels, First Faculty of Medicine, Charles University	5,00	66.	0,84	69.	0,00	67.–74.	6,68	72.
Department of Dermatology and Venereology, First Faculty of Medicine, Charles University and General University Hospital in Prague	65,46	28.	18,63	45.	5,15	49.	118,18	46.
Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	61,16	31.	73,45	23.	34,90	21.	312,77	22.
Department of Phoniatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	21,50	50.	0,94	68.	3,28	52.	33,22	60.
Institute of Physiology, First Faculty of Medicine, Charles University	99,84	17.	47,03	33.	66,28	11.	392,75	16.
Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	18,70	54.	97,63	16.	2,82	53.	222,41	31.
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	46,52	36.	38,01	35.	2,37	57.	129,65	42.
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	147,12	9.	233,97	7.	90,40	7.	886,25	7.
Department of Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	3,86	68.	1,33	67.	0,11	66.	6,84	71.
Department of Surgery, First Faculty of Medicine, Charles University and Thomayer Hospital	36,61	41.	8,57	54.	1,21	61.	57,38	51.
1 st Department of Surgery – Department of Abdominal, Thoracic Surgery and Traumatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	8,32	60.	77,87	21.	3,37	51.	174,15	38.
1 st Department of Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	24,22	48.	61,39	27.	16,08	40.	195,24	34.
1 st Department of Tuberculosis and Respiratory Diseases, First Faculty of Medicine, Charles University and General University Hospital in Prague	5,42	65.	4,80	59.	2,66	56.	23,01	64.
2 nd Department of Surgery – Department of Cardiovascular Surgery, First Faculty of Medicine, Charles University and General University Hospital in Prague	53,54	32.	49,82	31.	29,49	25.	241,65	30.
2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	204,21	6.	211,26	8.	93,25	6.	906,49	6.

Organization unit	BIB ¹	BIB – standing without conversion to full-time positions	SCI ¹	SCI – standing without conversion to full-time positions	IF ¹	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF ²	Total BIB, SCI and IF – standing without conversion to full-time positions 18
3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	35,89	42.	35,83	37.	25,39	27.	183,72	36.
3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	400,36	1.	341,16	4.	51,64	13.	1 237,58	4.
Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague	53,51	33.	71,22	25.	5,54	48.	212,58	32.
4 th Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	100,08	16.	199,57	9.	18,19	35.	553,82	12.
Department of Addictology of Charles University – First Faculty of Medicine, and General University Hospital	107,31	14.	34,82	38.	42,64	18.	304,86	23.
Department of Anaesthesiology and Intensive Care, First Faculty of Medicine, Charles University and Military University Hospital Prague	4,61	67.	5,06	57.	0,55	64.	16,37	66.
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine, and General University Hospital	91,77	18.	63,64	26.	39,22	20.	336,73	19.
Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	236,75	3.	408,79	2.	206,30	2.	1 673,25	2.
Department of Infectious and Tropical Diseases, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	9,46	57.	8,83	53.	1,05	62.	30,27	61.
Department of Infectious Diseases, First Faculty of Medicine, Charles University and Military University Hospital Prague	33,71	44.	17,71	46.	17,06	38.	120,29	45.
Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	171,45	7.	104,58	14.	40,69	19.	502,68	15.
Department of Orthopaedics, First Faculty of Medicine, Charles University and Military University Hospital Prague	19,66	52.	20,89	44.	13,02	42.	100,51	48.
Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol	32,81	45.	87,63	18.	16,81	39.	258,49	27.
Department of Plastic Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	8,83	58.	15,18	49.	2,73	54.	47,39	55.
Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	107,71	13.	89,05	17.	87,63	8.	548,72	13.
Department of Rehabilitation Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	19,33	53.	3,42	65.	5,96	47.	44,06	57.
Department of Spondylosurgery, First Faculty of Medicine, Charles University and University Hospital Motol	8,33	59.	5,70	56.	2,73	55.	27,93	62.
Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital Prague	69,69	26.	72,85	24.	43,63	17.	346,27	18.

Organization unit	BIB ¹	BIB – standing without conversion to full-time positions	SCI ¹	SCI – standing without conversion to full-time positions	IF ¹	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF ²	Total BIB, SCI and IF – standing without conversion to full-time positions 18
Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	289,87	2.	487,76	1.	218,33	1.	1 920,38	1.
Department of Ophthalmology, First Faculty of Medicine, Charles University and Military University Hospital Prague	15,12	55.	0,48	70.	2,19	58.	22,64	65.
Department of Ophthalmology, First Faculty of Medicine, Charles University and General University Hospital in Prague	75,36	24.	10,63	52.	20,12	33.	156,97	40.
Department of Oncology of Charles University – First Faculty of Medicine, and Thomayer University Hospital	47,77	34.	21,93	42.	12,63	43.	129,52	43.
Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	85,64	20.	42,17	34.	43,78	16.	301,33	24.
Department of Oncology, First Faculty of Medicine, Charles University, General University Hospital in Prague and Military University Hospital Prague	1,19	72.	3,11	66.	0,17	65.	7,91	70.
Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	43,67	37.	23,94	40.	22,86	29.	160,13	39.
Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol	64,28	29.	60,33	28.	22,53	30.	252,55	29.
Department of Paediatrics, First Faculty of Medicine, Charles University and Thomayer Hospital	13,33	56.	4,13	63.	7,99	45.	45,58	56.
Department of Respiratory Medicine, First Faculty of Medicine, Charles University and Thomayer Hospital	38,38	38.	21,05	43.	12,27	44.	117,28	47.
Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	234,53	5.	256,53	5.	124,40	4.	1 120,79	5.
Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	82,49	22.	56,61	29.	33,88	22.	297,35	25.
Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	110,00	12.	249,54	6.	47,47	15.	751,48	9.
Institute of Sexology, First Faculty of Medicine, Charles University and General University Hospital in Prague	66,50	27.	17,63	47.	17,13	37.	153,17	41.
Department of Stomatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	63,75	30.	99,52	15.	23,00	28.	331,79	20.
Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague	79,44	23.	74,81	22.	32,03	23.	325,14	21.
Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University	29,59	47.	36,80	36.	27,49	26.	185,66	35.
Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University	22,98	49.	84,96	19.	20,44	32.	254,22	28.
Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	111,28	11.	198,43	10.	94,79	5.	792,52	8.
Institute for History of Medicine and Foreign Languages, First Faculty of Medicine, Charles University	85,24	21.	4,57	61.	0,97	63.	97,31	49.
Institute of Histology and Embryology, First Faculty of Medicine, Charles University	3,50	69.	23,69	41.	0,00	67.–74.	50,87	54.

Organization unit	BIB ¹	BIB – standing without conversion to full-time positions	SCI ¹	SCI – standing without conversion to full-time positions	IF ¹	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF ²	Total BIB, SCI and IF – standing without conversion to full-time positions 18
Institute for Medical Humanities, First Faculty of Medicine, Charles University	29,81	46.	4,96	58.	15,29	41.	85,58	50.
Institute of Hygiene and Epidemiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	116,31	10.	48,06	32.	19,18	34.	269,96	26.
Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	88,69	19.	108,27	13.	75,57	10.	531,92	14.
Institute of Clinical and Experimental Haematology, First Faculty of Medicine, Charles University and Institute of Haematology and Blood Transfusion	6,57	62.	12,53	50.	6,75	46.	51,88	53.
Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - First Faculty of Medicine, and General University Hospital	235,27	4.	349,22	3.	127,44	3.	1 316,03	3.
Institute of Nuclear Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	6,26	63.	4,62	60.	3,59	50.	26,27	63.
Institute of Pathological Physiology, First Faculty of Medicine, Charles University	103,73	15.	135,84	12.	81,63	9.	620,31	11.
Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	47,76	35.	29,17	39.	29,97	24.	196,00	33.
Institute of Radiation Oncology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	5,90	64.	4,52	62.	0,00	67.–74.	14,94	67.
Institute of Forensic Medicine and Toxicology, First Faculty of Medicine, Charles University and General University Hospital in Prague	20,10	51.	52,68	30.	17,19	36.	177,04	37.
Institute of Physical Education, First Faculty of Medicine, Charles University	0,00	74.	0,00	72.–74.	0,00	67.–74.	0,00	74.
Institute of Sports Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	1,74	70.	16,99	48.	2,07	59.	41,94	58.
Institute of Nursing Theory and Practice, First Faculty of Medicine, Charles University	37,11	40.	0,00	72.–74.	0,00	67.–74.	37,11	59.
Institute of Scientific Information, First Faculty of Medicine, Charles University and General University Hospital in Prague	1,00	73.	0,00	72.–74.	0,00	67.–74.	1,00	73.
Institute of Public Health and Medical Law, First Faculty of Medicine, Charles University	7,21	61.	0,39	71.	0,00	67.–74.	7,99	69.
Institute of General Practice, First Faculty of Medicine, Charles University	37,52	39.	6,64	55.	1,68	60.	55,84	52.

Bibliography, SCI, IF – by organization units – conversion to full-time positions of academic staff– TOP 40 – 2018

Organization unit (in alphabetical order)	Total positions of academic staff	BIB converted	BIB standing per position after conversion	SCI converted	SCI standing per position after conversion	IF converted	IF – standing per position after conversion	Converted BIB+2x SCI+3xIF per position ¹	Total BIB. & IF – standing per position after conversion
Institute of Anatomy, First Faculty of Medicine, Charles University	24,09	6,616	33.	7,067	29.	2,738	29.	28,963	29.
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine, and General University Hospital	1,70	0,831	68.	2,070	55.	0,000	67.–74.	4,972	67.
BIOCEV – First Faculty of Medicine, Charles University	33,05	2,201	58.	2,399	50.	1,439	42.	11,316	57.
Center for Advanced Preclinical Imaging, First Faculty of Medicine, Charles University	8,80	3,917	46.	1,373	62.	2,428	34.	13,947	46.
Centre of Experimental Biomodels, First Faculty of Medicine, Charles University	0,00	–	73.–74.	0,000	71.–74.	–	67.–74.	–	73. – 74.
Department of Dermatology and Venereology, First Faculty of Medicine, Charles University and General University Hospital in Prague	4,20	15,585	9.	4,435	41.	1,227	46.	28,138	30.
Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	9,85	6,209	35.	7,457	26.	3,543	22.	31,753	27.
Department of Phoniatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	2,80	7,679	29.	0,336	67.	1,171	47.	11,864	56.
Institute of Physiology, First Faculty of Medicine, Charles University	22,10	4,518	40.	2,128	53.	2,999	27.	17,772	44.
Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	4,30	4,349	43.	22,705	3.	0,655	56.	51,723	15.
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	3,75	12,407	18.	10,137	18.	0,631	57.	34,573	23.
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	17,30	8,504	28.	13,524	10.	5,225	14.	51,228	16.
Department of Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	3,20	1,207	66.	0,414	65.	0,034	66.	2,138	70.
Department of Surgery, First Faculty of Medicine, Charles University and Thomayer Hospital	2,60	14,083	12.	3,297	48.	0,464	60.	22,068	40.
1 st Department of Surgery – Department of Abdominal, Thoracic Surgery and Traumatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	13,50	0,616	69.	5,768	32.	0,249	63.	12,900	54.

Organization unit (in alphabetical order)	Total positions of academic staff	BIB converted	BIB standing per position after conversion	SCI converted	SCI standing per position after conversion	IF converted	IF – standing per position after conversion	Converted BIB+2x SCI+3xIF per position ¹	Total BIB. & IF – standing per position after conversion
1 st Department of Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	15,05	1,609	62.	4,079	43.	1,068	50.	12,972	53.
1 st Department of Tuberculosis and Respiratory Diseases, First Faculty of Medicine, Charles University and General University Hospital in Prague	2,40	2,260	57.	1,998	57.	1,110	49.	9,586	62.
2 nd Department of Surgery – Department of Cardiovascular Surgery, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,80	14,088	11.	13,112	11.	7,760	8.	63,592	8.
2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	12,80	15,954	8.	16,505	5.	7,286	9.	70,820	5.
3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	7,50	4,785	38.	4,777	39.	3,386	23.	24,496	34.
1 st Department of Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	34,40	11,638	24.	9,917	19.	1,501	41.	35,976	22.
Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague	4,40	12,161	21.	16,187	6.	1,260	45.	48,315	18.
4 th Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	22,25	4,498	41.	8,970	22.	0,818	54.	24,891	33.
Department of Addictology of Charles University – First Faculty of Medicine, and General University Hospital	22,45	4,780	39.	1,551	60.	1,899	39.	13,579	49.
Department of Anaesthesiology and Intensive Care, First Faculty of Medicine, Charles University and Military University Hospital Prague	2,35	1,960	61.	2,155	51.	0,233	64.	6,967	64.
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine, and General University Hospital	4,40	20,858	5.	14,464	9.	8,914	4.	76,529	4.
Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	63,10	3,752	47.	6,479	31.	3,269	25.	26,517	32.

Organization unit (in alphabetical order)	Total positions of academic staff	BIB converted	BIB standing per position after conversion	SCI converted	SCI standing per position after conversion	IF converted	IF – standing per position after conversion	Converted BIB+2x SCI+3xIF per position ¹	Total BIB. & IF – standing per position after conversion
Department of Infectious and Tropical Diseases, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	2,95	3,208	50.	2,992	49.	0,357	61.	10,262	59.
Department of Infectious Diseases, First Faculty of Medicine, Charles University and Military University Hospital Prague	5,05	6,676	32.	3,506	47.	3,377	24.	23,820	36.
Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	9,00	19,050	6.	11,620	15.	4,521	19.	55,853	12.
Department of Orthopaedics, First Faculty of Medicine, Charles University and Military University Hospital Prague	1,60	12,289	20.	13,056	12.	8,139	6.	62,817	9.
Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol	7,85	4,179	45.	11,163	17.	2,142	37.	32,929	26.
Department of Plastic Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	2,05	4,309	44.	7,404	27.	1,333	44.	23,115	38.
Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	4,20	25,646	4.	21,203	4.	20,865	1.	130,649	3.
Department of Rehabilitation Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	9,85	1,963	60.	0,347	66.	0,605	58.	4,473	69.
Department of Spondylosurgery, First Faculty of Medicine, Charles University and University Hospital Motol	0,60	13,889	13.	9,500	21.	4,554	18.	46,551	19.
Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital Prague	4,90	14,222	10.	14,867	8.	8,903	5.	70,667	6.
Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	30,70	9,442	25.	15,888	7.	7,112	10.	62,553	10.
Department of Ophthalmology, First Faculty of Medicine, Charles University and Military University Hospital Prague	2,30	6,572	34.	0,210	69.	0,950	51.	9,844	60.
Department of Ophthalmology, First Faculty of Medicine, Charles University and General University Hospital in Prague	5,65	13,338	16.	1,881	59.	3,560	21.	27,782	31.
Department of Oncology of Charles University – First Faculty of Medicine, and Thomayer Hospital	0,95	50,288	1.	23,081	2.	13,296	2.	136,338	2.

Organization unit (in alphabetical order)	Total positions of academic staff	BIB converted	BIB standing per position after conversion	SCI converted	SCI standing per position after conversion	IF converted	IF – standing per position after conversion	Converted BIB+2x SCI+3xIF per position ¹	Total BIB. & IF – standing per position after conversion
Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	6,20	13,81	14.	6,802	30.	7,062	11.	48,602	17.
Department of Oncology, First Faculty of Medicine, Charles University, General University Hospital in Prague and Military University Hospital Prague	0,60	1,991	59.	5,187	37.	0,275	62.	13,190	51.
Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	4,80	9,097	26.	4,988	38.	4,763	17.	33,360	25.
Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol	7,55	8,514	27.	7,991	25.	2,985	28.	33,450	24.
Department of Paediatrics, First Faculty of Medicine, Charles University and Thomayer Hospital	3,00	4,444	42.	1,378	61.	2,664	31.	15,193	45.
Department of Respiratory Medicine, First Faculty of Medicine, Charles University and Thomayer Hospital	2,20	17,448	7.	9,566	20.	5,577	13.	53,310	13.
Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	19,98	11,741	23.	12,842	13.	6,228	12.	56,110	11.
Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	6,65	12,404	19.	8,513	23.	5,095	16.	44,714	20.
Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	3,90	28,205	3.	63,984	1.	12,172	3.	192,688	1.
Institute of Sexology, First Faculty of Medicine, Charles University and General University Hospital in Prague	2,20	30,229	2.	8,016	24.	7,788	7.	69,623	7.
Department of Stomatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	27,10	2,353	56.	3,672	46.	0,849	53.	12,243	55.
Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague	6,20	12,812	17.	12,066	14.	5,166	15.	52,442	14.
Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University	19,35	1,529	64.	1,902	58.	1,421	43.	9,595	61.
Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University	18,35	1,252	65.	4,630	40.	1,114	48.	13,854	47.
Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	35,70	3,117	53.	5,558	35.	2,655	32.	22,200	39.
Institute for History of Medicine and Foreign Languages, First Faculty of Medicine, Charles University	14,75	5,779	36.	0,310	68.	0,066	65.	6,597	66.
Institute of Histology and Embryology, First Faculty of Medicine, Charles University	11,20	0,312	72.	2,115	54.	0,000	67.–74.	4,542	68.

Organization unit (in alphabetical order)	Total positions of academic staff	BIB converted	BIB standing per position after conversion	SCI converted	SCI standing per position after conversion	IF converted	IF – standing per position after conversion	Converted BIB+2x SCI+3xIF per position ¹	Total BIB. & IF – standing per position after conversion
Institute for Medical Humanities, First Faculty of Medicine, Charles University	8,05	3,703	48.	0,616	64.	1,899	40.	10,632	58.
Institute of Hygiene and Epidemiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	8,60	13,524	15.	5,588	34.	2,230	36.	31,391	28.
Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	27,70	3,202	51.	3,909	45.	2,728	30.	19,203	41.
Institute of Clinical and Experimental Haematology, First Faculty of Medicine, Charles University and Institute of Haematology and Blood Transfusion	2,20	2,985	54.	5,695	33.	3,069	26.	23,583	37.
Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - First Faculty of Medicine, and General University Hospital	31,00	7,589	30.	11,265	16.	4,111	20.	42,453	21.
Institute of Nuclear Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,90	1,606	63.	1,184	63.	0,920	52.	6,735	65.
Institute of Pathological Physiology, First Faculty of Medicine, Charles University	32,80	3,162	52.	4,141	42.	2,489	33.	18,912	42.
Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	14,25	3,351	49.	2,047	56.	2,103	38.	13,755	48.
Institute of Radiation Oncology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	1,15	5,130	37.	3,933	44.	0,000	67.–74.	12,995	52.
Institute of Forensic Medicine and Toxicology, First Faculty of Medicine, Charles University and General University Hospital in Prague	7,35	2,734	55.	7,167	28.	2,339	35.	24,087	35.
Institute of Physical Education, First Faculty of Medicine, Charles University	8,50	0,000	73.–74.	0,000	71.–74.	0,000	67.–74.	0,000	73.–74.
Institute of Sports Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,15	0,554	70.	5,392	36.	0,659	55.	13,315	50.
Institute of Nursing Theory and Practice, First Faculty of Medicine, Charles University	5,20	7,137	31.	0,000	71.–74.	0,000	67.–74.	7,137	63.
Institute of Scientific Information, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,20	0,313	71.	0,000	71.–74.	0,000	67.–74.	0,313	72.
Institute of Public Health and Medical Law, First Faculty of Medicine, Charles University	6,00	1,201	67.	0,065	70.	0,000	67.–74.	1,331	71.
Institute of General Practice, First Faculty of Medicine, Charles University	3,10	12,103	22.	2,141	52.	0,543	59.	18,013	43.

For the purpose of conversion of sums of the points gained by particular organization units to job positions, the totals of positions only include the following: professors, associate professors, assistant professors, assistants, lecturers, support forms lecturers, scientists, teaching scientists, research and development analysts; the values reflect the coefficient of positions by 31st December 2017.

Note ¹ – BIB/SCI/IF have been weighted in the total as 1:2:3 respectively (as decided by the Scientific Board of the Faculty on 31st May 2011), thus the total being equal to the number of BIB points plus the doubled number of SCI points plus the triple number of IF points.

Bibliography, SCI, IF – authors – TOP 40 – 2018

Standing	Author (surname, first name)	Organization unit	BIB	SCI	IF	BIB+ 2xSCI+ 3xIF ¹
1.	Cibula David	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	33,106	90,992	39,103	332,400
2.	Vítek Libor	4 th Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague + 4 th Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	10,671	130,328	10,896	304,015
3.	Tesař Vladimír	Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	70,437	52,239	21,031	238,007
4.	Pelclová Daniela	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	41,811	46,641	33,124	234,467
5.	Kubala Havrdová Eva	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	5,202	98,720	4,836	217,152
6.	Čífková Renata	2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	24,201	33,812	30,136	182,233
7.	Bezdiček Ondřej	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	34,130	27,448	23,756	160,294
8.	Haluzík Martin	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - First Faculty of Medicine, and General University Hospital	37,388	16,547	28,708	156,604
9.	Šenolt Ladislav	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	13,292	59,048	8,165	155,883
10.	Fišar Zdeněk	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	7,148	61,870	5,441	147,213
11.	Linhart Aleš	2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	31,842	42,793	9,348	145,474
12.	Rusz Jan	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	21,222	20,674	26,768	142,874
13.	Zacharov Sergej	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	21,016	21,577	24,926	138,950
14.	Topinková Eva	Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	6,921	58,850	2,815	133,067
15.	Jech Robert	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	13,205	28,795	20,491	132,268
16.	Růžicka Evžen	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	6,703	49,711	6,839	126,641
17.	Bob Petr	Institute for Medical Humanities, First Faculty of Medicine, Charles University + Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	17,065	29,749	16,123	124,931
18.	Dušek Petr	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	7,300	35,889	14,624	122,951
19.	Sedmera David	Institute of Anatomy, First Faculty of Medicine, Charles University	15,389	28,290	16,916	122,717
20.	Lišková Petra	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	13,740	20,962	21,261	119,447

Standing	Author (surname, first name)	Organization unit	BIB	SCI	IF	BIB+ 2xSCI+ 3xIF ¹
21.	Lambert Lukáš	Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	33,607	13,333	19,034	117,376
22.	Fried Martin	1 st Department of Surgery – Department of Abdominal, Thoracic Surgery and Traumatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	1,033	56,891	0,419	116,071
23.	Kalousová Marta	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine, and General University Hospital	5,017	53,824	0,712	114,802
24.	Raboch Jiří	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	14,537	32,297	11,675	114,156
25.	Pavelka Karel	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	5,606	48,055	3,850	113,267
26.	Kališová Lucie	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	30,254	10,014	20,250	111,031
27.	Bělohávek Jan	2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	11,659	42,466	3,888	108,254
28.	Balík Martin	Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine, and General University Hospital	22,175	9,187	20,215	101,195
29.	Rečková Hroudová Jana	Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague + Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	4,952	42,366	3,601	100,485
30.	Uher Tomáš	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	14,588	19,210	15,533	99,608
31.	Zima Tomáš	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine, and General University Hospital	18,448	35,731	3,008	98,934
32.	Vodička Pavel	Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	17,012	13,743	17,795	97,881
33.	Julák Jaroslav	Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	23,445	17,284	12,946	96,852
34.	Malík Jan	3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	31,471	26,245	4,141	96,385
35.	Smetana Karel	Institute of Anatomy, First Faculty of Medicine, Charles University + BIOCEV – First Faculty of Medicine, Charles University	5,576	40,693	2,607	94,784
36.	Eliška Oldřich	Institute of Anatomy, First Faculty of Medicine, Charles University	81,474	6,000	0,000	93,474
37.	Bartoníček Jan	Institute of Anatomy, First Faculty of Medicine, Charles University + Department of Surgery, First Faculty of Medicine, Charles University and Thomayer Hospital + Department of Orthopaedics, First Faculty of Medicine, Charles University and Military University Hospital Prague	18,413	22,500	9,976	93,341
38.	Hubálek Kalbáčová Marie	Institute of Pathological Physiology, First Faculty of Medicine, Charles University	7,645	33,902	5,888	93,115
39.	Roth Jan	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	14,288	12,358	17,905	92,719
40.	Stibůrková Blanka	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	9,378	19,494	13,405	88,581

¹ BIB/SCI/IF have been weighted in the total as 1:2:3 respectively (as decided by the Scientific Board of the Faculty on 31st May 2011), thus the total being equal to the number of BIB points plus the doubled number of SCI points plus the triple number of IF points.

Bibliography – authors – TOP 40 – 2018

Standing	Author (surname, first name)	Organization unit	BIB
1.	Eliška Oldřich	Institute of Anatomy, First Faculty of Medicine, Charles University	81,474
2.	Tesař Vladimír	Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	70,437
3.	Svačina Štěpán	3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	46,985
4.	Černý Karel	Institute for History of Medicine and Foreign Languages, First Faculty of Medicine, Charles University	45,233
5.	Papežová Hana	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	44,366
6.	Pelclová Daniela	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	41,811
7.	Lukáš Karel	4 th Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	41,750
8.	Tuček Milan	Institute of Hygiene and Epidemiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	38,667
9.	Haluzík Martin	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine, and General University Hospital	37,388
10.	Bezdiček Ondřej	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	34,130
11.	Lambert Lukáš	Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	33,607
12.	Cibula David	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	33,106
13.	Linhart Aleš	2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	31,842
14.	Tuka Vladimír	3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	31,598
15.	Malík Jan	3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	31,471
16.	Vachek Jan	Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	30,798
17.	Kališová Lucie	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	30,254
18.	Šimša Jaromír	Department of Surgery, First Faculty of Medicine, Charles University and Thomayer Hospital	30,109
19.	Heissigerová Jarmila	Department of Ophthalmology, First Faculty of Medicine, Charles University and Military University Hospital Prague	30,012
20.	Vrablík Michal	3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	29,486
21.	Fiala Luděk	Institute of Sexology, First Faculty of Medicine, Charles University and General University Hospital in Prague	28,111
22.	Widimský Jiří	3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	26,021
23.	Krajsová Ivana	Department of Dermatology and Venereology, First Faculty of Medicine, Charles University and General University Hospital in Prague	25,962
24.	Vaněčková Manuela	Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	24,723
25.	Vejražka Martin	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - the First Faculty of Medicine, and the General University Hospital	24,278

Standing	Author (surname, first name)	Organization unit	BIB
26.	Cífková Renata	2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	24,201
27.	Zachoval Roman	Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague	23,782
28.	Julák Jaroslav	Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	23,445
29.	Šíma Martin	Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	22,472
30.	Balík Martin	Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine, and General University Hospital	22,175
31.	Büchler Tomáš	Department of Oncology of Charles University – First Faculty of Medicine, and Thomayer Hospital	21,893
32.	Rusz Jan	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	21,222
33.	Šejvl Jaroslav	Department of Addictology of Charles University – First Faculty of Medicine, and General University Hospital	21,217
34.	Zacharov Sergej	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	21,016
35.	Honzák Radkin	Institute of General Practice, First Faculty of Medicine, Charles University	20,733
36.	Netuka David	Department of Neurosurgery, First Faculty of Medicine, Charles University and Military University	19,796
37.	Karetová Debora	2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	19,351
38.	Divišová Bohdana	Institute for History of Medicine and Foreign Languages, First Faculty of Medicine, Charles University	18,871
39.	Zima Tomáš	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine, and General University Hospital	18,448
40.	Bartoniček Jan	Institute of Anatomy, First Faculty of Medicine, Charles University + Department of Surgery, First Faculty of Medicine, Charles University and Thomayer Hospital + Department of Orthopaedics, First Faculty of Medicine, Charles University and Military University Hospital Prague	18,413

SCI – authors – TOP 40 – 2018

Standing	Author (surname, first name)	Organization unit	SCI
1.	Vítek Libor	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - the First Faculty of Medicine, and the General University Hospital + 4 th Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	109,908
2.	Kubala Havrdová Eva	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	78,572
3.	Cibula David	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	69,846
4.	Kalousová Marta	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine, and General University Hospital	54,828
5.	Topinková Eva	Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	52,484
6.	Šenolt Ladislav	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	50,801
7.	Fišar Zdeněk	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	48,890
8.	Linhart Aleš	2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	41,906
9.	Tesař Vladimír	Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	39,332
10.	Rosa Ján	3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	37,291
11.	Škrha Jan	3 rd Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	36,929

Standing	Author (surname, first name)	Organization unit	SCI
12.	Dušek Petr	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	36,155
13.	Nevšimalová Soňa	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	35,664
14.	Fried Martin	1 st Department of Surgery – Department of Abdominal, Thoracic Surgery and Traumatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	34,443
15.	Pavelka Karel	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	34,402
16.	Bortlík Martin	Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague + Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	33,406
17.	Kmoch Stanislav	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	33,047
18.	Smetana Karel	Institute of Anatomy, First Faculty of Medicine, Charles University + BIOCEV – First Faculty of Medicine, Charles University	32,904
19.	Zima Tomáš	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine, and General University Hospital	32,889
20.	Fischerová Daniela	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	31,988
21.	Růžička Evžen	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	31,922
22.	Štěpán Jan	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	31,745
23.	Bob Petr	Institute for Medical Humanities, First Faculty of Medicine, Charles University + Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	31,403
24.	Pelclová Daniela	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	29,538
25.	Pinskerová Věra	Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol	28,323
26.	Balíková Marie	Institute of Forensic Medicine and Toxicology, First Faculty of Medicine, Charles University and General University Hospital in Prague	28,221
27.	Rečková Hroudová Jana	Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague + Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	28,217
28.	Hubálek Kalbáčová Marie	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	27,964
29.	Zeman Jiří	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	27,961
30.	Městecký Jiří	Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	27,620
31.	Švábík Kamil	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	25,582
32.	Cífková Renata	2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	25,527
33.	Doležalová Pavla	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	25,495
34.	Netuka Ivan	2 nd Department of Surgery - Department of Cardiovascular Surgery, First Faculty of Medicine, Charles University and General University Hospital in Prague	25,069
35.	Bělohávek Jan	2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	24,822
36.	Fialová Daniela	Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	24,768
37.	Závada Jakub	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	24,055
38.	Raboch Jiří	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	23,857
39.	Pravenec Michal	Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	22,977
40.	Lišková Petra	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague + Department of Ophthalmology, First Faculty of Medicine, Charles University and Military University Hospital Prague	22,862

IF – authors – TOP 40 – 2018

Standing	Author (surname, first name)	Organization unit	IF
1.	Cibula David	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	39,103
2.	Pelclová Daniela	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	33,124
3.	Cífková Renata	2 nd Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	30,136
4.	Haluzik Martin	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine, and General University Hospital	28,708
5.	Rusz Jan	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	26,768
6.	Zacharov Sergej	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	24,926
7.	Bezdiček Ondřej	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	23,756
8.	Lišková Petra	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	21,261
9.	Tesař Vladimír	Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	21,031
10.	Jech Robert	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	20,491
11.	Kališová Lucie	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	20,250
12.	Balik Martin	Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine, and General University Hospital	20,215
13.	Lambert Lukáš	Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	19,034
14.	Roth Jan	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	17,905
15.	Martínek Jan	Institute of Physiology, First Faculty of Medicine, Charles University	17,847
16.	Vodička Pavel	Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	17,795
17.	Štenglová Netíková Irena	Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague + Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	17,558
18.	Sedmera David	Institute of Anatomy, First Faculty of Medicine, Charles University	16,916
19.	Bob Petr	Institute for Medical Humanities, First Faculty of Medicine, Charles University + Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	16,123
20.	Uher Tomáš	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	15,533
21.	Lukavská Kateřina	Department of Addictology of Charles University – First Faculty of Medicine, and General University Hospital	15,078
22.	Dušek Petr	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	14,624
23.	Hrušková Zdenka	Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	14,556
24.	Zachoval Roman	Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague	14,488
25.	Stibůrková Blanka	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	13,405
26.	Julák Jaroslav	Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	12,946
27.	Mysliveček Jaromír	Institute of Physiology, First Faculty of Medicine, Charles University	12,812
28.	Štengl Václav	Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	12,695
29.	Klener Pavel, jr.	Institute of Pathological Physiology, First Faculty of Medicine, Charles University + 1 st Department of Medicine - Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	12,453
30.	Raboch Jiří	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	11,675
31.	Šíma Martin	Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	11,523

Standing	Author (surname, first name)	Organization unit	IF
32.	Mezian Kamal	Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University + Department of Rehabilitation Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	11,479
33.	Šimják Patrik	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	11,420
34.	Vašáková Martina	Department of Respiratory Medicine, First Faculty of Medicine, Charles University and Thomayer Hospital	11,390
35.	Ďudáková Ľubica	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	11,304
36.	Bleyer Anthony J.	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	11,145
37.	Vítek Libor	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - the First Faculty of Medicine, and the General University Hospital + 4 th Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	10,896
38.	Pánková Alexandra	Institute of Hygiene and Epidemiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	10,832
39.	Zikánová Marie	Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	10,832
40.	Bartoš Martin	Institute of Anatomy, First Faculty of Medicine, Charles University + Institute of Pathological Physiology, First Faculty of Medicine, Charles University + Department of Stomatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	10,725

DEVELOPMENT OF PUBLISHING ACTIVITY IN JOURNALS WITH IF

ARTICLES IN JOURNALS WITH THE HIGHEST IF IN 2018, IN WHICH THE STAFF OF THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY PUBLISHED

The value of the impact factor (IF) is a bibliometric parameter, which has a long tradition. It is related to the importance of the journal and its values are yearly published by the Journal Citation Report, part of the Web of Knowledge™ data base.

IF 2018	Total number of publications with participation of authors from the Faculty	Number of publications where the author from the Faculty is at the first or last place or is the corresponding author
20.000–70.670	23	0
15.000–19.999	15	2
10.000–14.999	18	1
8.000–9.999	13	2
7.000–7.999	17	4
6.000–6.999	37	6
5.000–5.999	29	6
Total	152	21

Number of publications in journals with impact factor – 2016–2018

INTERVAL IF	2016			2017			2018		
	primary	synoptic	total	primary	synoptic	total	primary	synoptic	total
60.000–79.999	0	0	0	3	0	3	2	0	2
50.000–59.999	0	0	0	4	0	4	2	0	2
40.000–49.999	3	0	3	1	0	1	4	0	4
30.000–39.999	5	0	5	0	0	0	5	2	7

INTERVAL IF	2016			2017			2018		
	primary	synoptic	total	primary	synoptic	total	primary	synoptic	total
20.000–29.999	5	0	5	8	2	10	3	3	6
15.000–19.999	12	0	12	11	2	13	12	2	14
10.000–14.999	16	1	17	30	5	35	17	1	18
9.000–9.999	4	0	4	1	0	1	4	0	4
8.000–8.999	1	2	3	8	1	9	8	0	8
7.000–7.999	18	1	19	14	0	14	14	1	14
6.000–6.999	14	1	15	15	2	17	34	0	33
5.000–5.999	31	2	33	40	3	43	24	2	25
4.000–4.999	55	6	61	58	6	64	70	8	78
3.000–3.999	85	8	93	71	6	77	82	14	96
2.000–2.999	131	17	148	119	17	136	157	24	180
1.000–1.999	112	18	130	141	26	167	128	13	139
0.001–0.999	78	16	94	57	6	63	53	15	67
Total	570	72	642	581	76	657	619	85	697

HIRSCH INDEX OF AUTHORS FROM THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY 2013–2019

(numbers of authors who achieved the value of h-index ≥ 5)

H-index	2013	2014	2015	2016	2018	2019
80–89	0	0	0	0	0	1
70–79	0	1	1	1	1	1
60–69	1	0	0	0	0	0
50–59	1	1	1	1	0	1
40–49	1	1	2	3	8	11
30–39	8	9	13	13	19	19
20–29	22	25	27	39	56	71
15–19	46	45	50	57	91	97
10–14	109	124	141	156	188	193
5–9	287	318	308	362	419	441

H-index – authors from the First Faculty of Medicine who achieved $h \geq 10$ in 2019

Author	H-index	Author	H-index	Author	H-index
Městecký Jiří, Prof. MUDr. CSc.	81	Janků Filip, MUDr. Ph.D.	40	Navrátil Tomáš, Prof. Ing. Ph.D.	34
Prchal Josef, Prof. MUDr. DrSc.	73	Štěpán Jan, Prof. MUDr. DrSc.	40	Nevšímalová Soňa, Prof. MUDr. DrSc.	34
Pavelka Karel, Prof. MUDr. DrSc.	52	Tlaskalová - Hogenová Helena, Prof. MUDr. DrSc.	40	Raška Ivan, Prof. RNDr. DrSc.	33
Cífková Renata, Prof. MUDr. CSc.	48	Tesař Vladimír, Prof. MUDr. DrSc. MBA	39	Slabý Ondřej, Prof. RNDr. Ph.D.	33
Martásek Pavel, Prof. MUDr. DrSc.	48	Vodička Pavel, MUDr. CSc.	39	Souček Pavel, Assoc. Prof. RNDr. CSc.	33
Král Vladimír, Prof. RNDr. DSc.	47	Vencovský Jiří, Prof. MUDr. DrSc.	38	Holcátová Ivana, MUDr. CSc.	32
Kubala Havrdová Eva, Prof. MUDr. CSc.	44	Linhart Aleš, Prof. MUDr. DrSc.	37	Zeman Jiří, Prof. MUDr. DrSc.	32
Bencko Vladimír, Prof. MUDr. DrSc.	43	Cibula David, Prof. MUDr. CSc.	35	Zima Tomáš, Prof. MUDr. DrSc. MBA	32
Neužil Petr, Prof. MUDr. CSc.	43	Haluzík Martin, Prof. MUDr. DrSc.	35	Melenovský Vojtěch, Assoc. Prof. MUDr. CSc.	31
Pravenec Michal, Ing. DrSc.	43	Křen Vladimír, Prof. MUDr. DrSc.	35	Trněný Marek, Prof. MUDr. CSc.	31
Říhová Blanka, Prof. RNDr. DrSc.	43				

Author	H-index	Author	H-index	Author	H-index
Smetana Karel, Prof. MUDr. DrSc.	30	Raboch Jiří, Prof. MUDr. DrSc.	22	Jiráček Daniel, Assoc. Prof. Ing. Ph.D.	18
Vítek Libor, Prof. MUDr. Ph.D.	30	Stopka Tomáš, Prof. MUDr. Ph.D.	22	Jirsová Kateřina, Assoc. Prof. Mgr. Ph.D.	18
Masařík Michal, Assoc. Prof. RNDr. Ph.D.	29	Wichterle Dan, Assoc. Prof. MUDr. Ph.D.	22	Krijt Jakub, RNDr.	18
Škrha Jan, Prof. MUDr. DrSc. MBA	29	Druga Rastislav, Prof. MUDr. DrSc.	21	Křepela Evžen, Assoc. Prof. MUDr. CSc.	18
Kmoch Stanislav, Prof. Ing. CSc.	28	Đuricová Dana, MUDr. Ph.D.	21	Peichl Petr, Assoc. Prof. MUDr. Ph.D.	18
Kožich Viktor, Prof. MUDr. CSc.	28	Haluzíková Denisa, MUDr.	21	Roth Jan, Prof. MUDr. CSc.	18
Růžicka Evžen, Prof. MUDr. DrSc.	28	Hubálek Kalbáčová Marie, Assoc. Prof. RNDr. Ph.D.	21	Svačina Štěpán, Prof. MUDr. DrSc. MBA	18
Sedmera David, Prof. MUDr. Ph.D. DSc.	28	Králová Jarmila, RNDr. CSc.	21	Školoudík David, Prof. MUDr. Ph.D.	18
Štengl Václav, Mgr. Ph.D. DSc.	28	Křenová Drahomíra, Assoc. Prof. MUDr. CSc.	21	Tesařová Markéta, Ing. Ph.D.	18
Topinková Eva, Prof. MUDr. CSc.	28	Ledvinová Jana, RNDr. CSc.	21	Bob Petr, Assoc. Prof. RNDr. Ph.D.	17
Hrubý Martin, Mgr. Ph.D. DSc.	27	Nečas Emanuel, Prof. MUDr. DrSc.	21	Crkovská Jiřina, MUDr.	17
Lukáš Milan, Prof. MUDr. CSc.	27	Seidl Zdeněk, Prof. MUDr. CSc.	21	Farghali Hassan, Prof. Dr. DrSc.	17
Peterka Miroslav, Assoc. Prof. MUDr. CSc. DSc.	27	Vaněčková Manuela, Prof. MUDr. Ph.D.	21	Fialová Daniela, Assoc. Prof. PharmDr. Ph.D.	17
Vodičková Ludmila, MUDr. CSc.	27	Viklický Ondřej, Prof. MUDr. CSc.	21	Gatterová Jindřiška, MUDr.	17
Aschermann Michael, Prof. MUDr. DrSc.	26	Zemanová Zuzana, Assoc. Prof. RNDr. CSc.	21	Hořínek Aleš, Ing.	17
Petruželka Luboš, Prof. MUDr. CSc.	26	Betka Jan, Prof. MUDr. DrSc.	20	Hradec Jaromír, Prof. MUDr. CSc.	17
Šonka Karel, Prof. MUDr. DrSc.	26	Bleyer Anthony J., MD	20	Jirsa Milan, Prof. MUDr. Mgr. CSc.	17
Bednár Ján, Assoc. Prof. RNDr. Ph.D.	25	Dyr Jan, Prof. Ing. DrSc.	20	Kučka Jan, RNDr. Ph.D.	17
Čermák Jaroslav, Prof. MUDr. CSc.	25	Fischerová Daniela, Assoc. Prof. MUDr. Ph.D.	20	Lacina Lukáš, MUDr. Ph.D.	17
Horáková Dana, Assoc. Prof. MUDr. Ph.D.	25	Hána Václav, Prof. MUDr. CSc.	20	Lišková Petra, Assoc. Prof. MUDr. MD Ph.D.	17
Jech Robert, Prof. MUDr. Ph.D.	25	Hřebíček Martin, MUDr. Ph.D.	20	Muchová Lucie, Assoc. Prof. MUDr. Ph.D.	17
Marek Josef, Prof. MUDr. DrSc.	25	Jonák Jiří, Prof. MUDr. DrSc.	20	Netuka Ivan, Prof. MUDr. Ph.D.	17
Stříž Ilja, Prof. MUDr. CSc.	25	Kemlink David, Assoc. Prof. MUDr. Ph.D.	20	Otová Berta, Assoc. Prof. RNDr. CSc.	17
Česka Richard, Prof. MUDr. CSc.	24	Pytlík Robert, MUDr. Ph.D.	20	Pactl Ivo, Prof. MUDr. CSc.	17
Halata Zdeněk, Prof. MUDr.	24	Tomčík Michal, Assoc. Prof. MUDr. Ph.D.	20	Pařízek Antonín, Prof. MUDr. CSc.	17
Kořínek Josef, Assoc. Prof. MUDr. Ph.D.	24	Tvrzická Eva, RNDr. CSc.	20	Plzák Jan, Prof. MUDr. Ph.D.	17
Kunešová Marie, Prof. MUDr. CSc.	24	Žák Aleš, Prof. MUDr. DrSc.	20	Prázný Martin, Assoc. Prof. MUDr. CSc. Ph.D.	17
Šenolt Ladislav, Prof. MUDr. Ph.D.	24	Bortlík Martin, Assoc. Prof. MUDr. Ph.D.	19	Staňková Barbora, Mgr. Ph.D.	17
Widimský Jiří, Prof. MUDr. CSc.	24	Frič Přemysl, Prof. MUDr. DrSc.	19	Šámal Martin, Prof. MUDr. DrSc.	17
Zikán Michal, Prof. MUDr. Ph.D.	24	Hůlková Helena, MUDr. Ph.D.	19	Štípek Stanislav, Prof. MUDr. DrSc.	17
Dvořánková Barbora, RNDr. Ph.D.	23	Jansa Pavel, Assoc. Prof. MUDr. Ph.D.	19	Štrauch Branislav, MUDr. Ph.D.	17
Grim Miloš, Prof. MUDr. DrSc.	23	Krásenský Jan, RNDr.	19	Urgošík Dušan, MUDr. CSc.	17
Kačer Petr, Assoc. Prof. Ing. Ph.D.	23	Kvasnička Jan, Prof. MUDr. DrSc.	19	Balíková Marie, Assoc. Prof. Ing. CSc.	16
Kalousová Marta, Prof. MUDr. Ph.D.	23	Nohýnková Eva, RNDr. Ph.D.	19	Beneš Vladimír, Prof. MUDr. DrSc.	16
Lacinová Zdenka, RNDr.	23	Petrák Jiří, Assoc. Prof. RNDr. Ph.D.	19	Bobek Vladimír, Prof. MUDr. Ph.D.	16
Michalová Kyra, Prof. Ing. DrSc.	23	Vrablík Michal, Prof. MUDr. Ph.D.	19	Büchler Tomáš, Assoc. Prof. MUDr. Ph.D.	16
Pelclová Daniela, Prof. MUDr. CSc.	23	Zelinka Tomáš, Assoc. Prof. MUDr. CSc.	19	Bušková Jitka, MUDr. Ph.D.	16
Špička Ivan, Prof. MUDr. CSc.	23	Dundr Pavel, Prof. MUDr. Ph.D.	18	Čmárko Dušan, Doc. RNDr. Ph.D.	16
Doležalová Pavla, Prof. MUDr. CSc.	22	Fenclová Zdenka, MUDr. CSc.	18	Dušek Petr, MUDr. Ph.D.	16
Hansíková Hana, RNDr. CSc.	22	Fialová Lenka, MUDr. CSc.	18	Hartmannová Hana, RNDr. Ph.D.	16
Herynek Vít, Mgr. Ph.D.	22	Fišar Zdeněk, Prof. RNDr. CSc.	18	Holaj Robert, Assoc. Prof. MUDr. CSc. MBA	16
Hynie Sixtus, Prof. MUDr. DrSc.	22	Fried Martin, Prof. MUDr. CSc.	18	Honsová Eva, Assoc. Prof. MUDr. Ph.D.	16
Kolářová Libuše, Prof. RNDr. CSc.	22	Honzík Tomáš, Assoc. Prof. MUDr. Ph.D.	18	Klamová Hana, MUDr. CSc.	16
Marek Jan, Prof. MUDr. Ph.D.	22				
Papežová Hana, Prof. MUDr. CSc.	22				
Poučková Pavla, Assoc. Prof. RNDr. CSc.	22				

Author	H-index	Author	H-index	Author	H-index
Kleibl Zdeněk, Prof. MUDr. Ph.D.	16	Kejík Zdeněk, Ing. Ph.D.	14	Matoulek Martin, Assoc. Prof. MUDr. Ph.D.	13
Lebeda Ondřej, Assoc. Prof. Ing. Ph.D.	16	Kleiblová Petra, MUDr. Ph.D.	14	Olejárová Marta, MUDr. CSc.	13
Lohynská Radka, MUDr. Ph.D.	16	Klenerová Věra, Assoc. Prof. MUDr. DrSc.	14	Pláteník Jan, MUDr. Ph.D.	13
Malík Jan, Prof. MUDr. CSc.	16	Klozar Jan, Prof. MUDr. CSc.	14	Pokorný David, Prof. MUDr. CSc.	13
Rusz Jan, Ing. Ph.D.	16	Kostrouch Zdeněk, MUDr. CSc.	14	Ptáček Radek, Prof. PhDr. et PhDr. Ph.D.	13
Sedláčková Eva, MUDr. MBA	16	Krijt Jan, Ing. Ph.D.	14	Raška Ivan, MUDr. Ph.D.	13
Seifert Bohumil, Assoc. Prof. MUDr. Ph.D.	16	Leníček Martin, MUDr. Ph.D.	14	Sláma Jiří, Prof. MUDr. Ph.D.	13
Síkora Jakub, MUDr. Ph.D.	16	Mann Heřman, MUDr.	14	Slanař Ondřej, Prof. MUDr. Ph.D.	13
Sosna Antonín, Prof. MUDr. DrSc.	16	Nepovímová Eugenie, Mgr.	14	Sokolová Jitka, Ing.	13
Šeda Ondřej, Prof. MUDr. Ph.D.	16	Paleček Tomáš, Prof. MUDr. Ph.D.	14	Šedová Lucie, PharmDr. Ph.D.	13
Šedo Aleksi, Prof. MUDr. DrSc.	16	Pinskerová Věra, Assoc. Prof. MUDr. Ph.D.	14	Týblová Michaela, MUDr. Ph.D.	13
Štork Jiří, Prof. MUDr. CSc.	16	Plavka Richard, Prof. MUDr. CSc.	14	Urbánek Petr, Prof. MUDr. CSc.	13
Urban Pavel, Assoc. Prof. MUDr. CSc.	16	Poupětová Helena, Ing.	14	Vachtenheim Jiří, Assoc. Prof. MUDr. CSc.	13
Vymetálková Veronika, Ing. Ph.D.	16	Preiss Marek, Assoc. Prof. PhDr. Ph.D.	14	Vecka Marek, RNDr. Ph.D.	13
Zadinová Marie, RNDr.	16	Prokešová Ludmila, Prof. MUDr. CSc.	14	Weiss Petr, Prof. PhDr. Ph.D. DSc.	13
Zacharov Sergej, Assoc. Prof. MUDr. Ph.D.	16	Rečková Hroudová Jana, Assoc. Prof. PharmDr. Ph.D.	14	Závada Jakub, Assoc. Prof. MUDr. Ph.D.	13
Zavoral Miroslav, Prof. MUDr. Ph.D.	16	Rosa Ján, MUDr. Ph.D.	14	Živný Jaroslav, Prof. MUDr. DrSc.	13
Živný Jan, Assoc. Prof. MUDr. Ph.D.	16	Ryšavá Romana, Prof. MUDr. CSc.	14	Brůha Radan, Prof. MUDr. CSc.	12
Barešová Veronika, Mgr. Ph.D.	15	Štibůrková Blanka, Ing. Mgr. Ph.D.	14	Bříza Tomáš, Ing. Ph.D.	12
Bělohlávek Jan, Assoc. Prof. MUDr. Ph.D.	15	Stránecký Viktor, Mgr. Ph.D.	14	Čertíková-Chábová Věra, Assoc. Prof. MUDr. Ph.D.	12
Heráček Jiří, Assoc. Prof. MUDr. Ph.D., MBA	15	Štulc Tomáš, Assoc. Prof. MUDr. Ph.D.	14	Duškova Jaroslava, Prof. MUDr. CSc.	12
Holada Karel, Assoc. Prof. Ing. Ph.D.	15	Víček Petr, Prof. MUDr. CSc. MHA	14	Dvořák Josef, Assoc. Prof. MUDr. Ph.D.	12
Chovanec Martin, Assoc. Prof. MUDr. Ph.D.	15	Vokurka Martin, Assoc. Prof. MUDr. CSc.	14	Dvořáková Lenka, RNDr. CSc.	12
Ješina Pavel, Assoc. Prof. MUDr. RNDr. Ph.D.	15	Zemánek David, Assoc. Prof. MUDr. Ph.D.	14	Forejtová Šárka, MUDr.	12
Klempíř Jiří, Assoc. Prof. MUDr. Ph.D.	15	Balík Martin, Assoc. Prof. MUDr. Ph.D.	13	Havlík Martin, Ing. Ph.D.	12
Klener Pavel, Assoc. Prof. MUDr. Ph.D.	15	Bečvář Radim, Assoc. Prof. MUDr. CSc.	13	Holub Michal, Prof. MUDr. Ph.D.	12
Marinov Iuri, Assoc. Prof. MUDr. CSc.	15	Befekadu Asfaw, RNDr. CSc.	13	Houštková Hana, Assoc. Prof. MUDr. CSc.	12
Matouš-Malbohan Ivan, Assoc. Prof. MUDr. CSc.	15	Bláha Jan, Assoc. Prof. MUDr. Ph.D.	13	Jahoda David, Prof. MUDr. CSc.	12
Merta Miroslav, Prof. MUDr. CSc.	15	Broulík Petr D., Prof. MUDr. DrSc.	13	Jarošová Kateřina, MUDr.	12
Minárik Marek, Assoc. Prof. RNDr. Ph.D.	15	Cetkovský Petr, Prof. MUDr. Ph.D. MBA	13	Kališová Lucie, MUDr. Ph.D.	12
Mráz Miloš, MUDr. Ph.D.	15	Foltán René, Assoc. Prof. MUDr. Ph.D.	13	Klener Pavel, Prof. MUDr. DrSc.	12
Neuwirtová Radana, Assoc. Prof. MUDr. CSc.	15	Halaška Michael, Prof. MUDr. DrSc.	13	Korabečná Marie, Prof. RNDr. Ph.D.	12
Perlík František, Prof. MUDr. DrSc.	15	Heissigerová Jarmila, Prof. MUDr. Ph.D. MBA	13	Křemen Jaromír, Assoc. Prof. MUDr. CSc.	12
Petrák Ondřej, Assoc. Prof. MUDr. Ph.D.	15	Hrušková Zdenka, MUDr. Ph.D.	13	Kužel David, Prof. MUDr. CSc.	12
Plzákova Zuzana MUDr. Ph.D.	15	Jonášová Anna, MUDr. Ph.D.	13	Levý Miroslav, MUDr. Ph.D. MBA	12
Povýšil Ctibor, Prof. MUDr. DrSc.	15	Julák Jaroslav, Assoc. Prof. RNDr. CSc.	13	Magner Martin, Assoc. Prof. MUDr. Ph.D.	12
Vítek Antonín, MUDr.	15	Kaplánek Robert, Ing. Ph.D.	13	Maixnerová Dita, Assoc. Prof. MUDr. Ph.D.	12
Vyoral Daniel, Assoc. Prof. MUDr. CSc.	15	Klaschka Jan, RNDr. Ph.D.	13	Malý Martin, Assoc. Prof. MUDr. Ph.D.	12
Bezdiček Ondřej, Assoc. Prof. Mgr. Ph.D.	14	Kornalík František, Prof. MUDr. DrSc.	13	Martan Alois, Prof. MUDr. DrSc.	12
Calda Pavel, Prof. MUDr. CSc.	14	Langmeier Miloš, Prof. MUDr. DrSc.	13	Mourek Jindřich, Prof. MUDr.	12
Filková Mária, MUDr. Ph.D.	14	Límanová Zdeňka, Assoc. Prof. MUDr. CSc.	13	Mysliveček Jaromír, Prof. MUDr. Ph.D.	12
Hodaňová Kateřina, Ing. Ph.D.	14	Lopot František, Assoc. Prof. Ing. CSc.	13	Nosková Lenka, Mgr. Ph.D.	12
		Mašata Jaromír, Prof. MUDr. CSc.	13	Pokorný Jaroslav, Prof. MUDr. DrSc.	12
		Matěj Radoslav, Prof. MUDr. Ph.D.	13	Skalníková Magdalena, Ing. CSc.	12

Author	H-index	Author	H-index	Author	H-index
Slámová Alena, MUDr. Ph.D.	12	Szabo Pavol, RNDr. Ph.D.	11	Posová Helena, MUDr. CSc.	10
Synytysa Alla, Mgr. Ph.D.	12	Šebesta Ivan, MUDr. CSc.	11	Procházková Jarmila, Prof. MUDr. CSc.	10
Šefc Luděk, RNDr. CSc.	12	Šída Pavel, RNDr. Ph.D.	11	Příhodová Iva, Assoc. Prof. MUDr. Ph.D.	10
Šmakal Martin, MUDr.	12	Šimek Stanislav, MUDr. CSc.	11	Rusina Robert, Assoc. Prof. MUDr. Ph.D.	10
Švábik Kamil, MUDr. Ph.D.	12	Šiškanova Tatjana, Assoc. Prof. et Assoc. Prof. Mgr., CSc.	11	Schejbalová Miriam, MUDr. Ph.D.	10
Tegzová Dana, MUDr.	12	Škoda Jan, MUDr.	11	Šišková Magda, MUDr. CSc.	10
Zelenka Jaroslav, Ing. Ph.D.	12	Štekrová Jitka, Ing.	11	Tesařová Petra, Prof. MUDr. CSc.	10
Bartoníček Jan, Prof. MUDr. DrSc.	11	Štulík Jan, Prof. MUDr. CSc.	11	Trošan Peter, Mgr. Ph.D.	10
Belíčková Monika, Mgr.	11	Šusta Marek, M.A. MBA Ph.D.	11	Uher Tomáš, MUDr. Ph.D.	10
Bouček Jan, Assoc. Prof. MUDr. Ph.D.	11	Tureček Daniel, Ing.	11	Větvicka David, Mgr. Ph.D.	10
Bradáč Ondřej, Doc. MUDr. RNDr. PhD	11	Valášek Petr, Assoc. Prof. MUDr. Ph.D.	11	Vevera Jan, Assoc. Prof. MUDr. Ph.D.	10
Daneš Jan, Prof. MUDr. CSc.	11	Vlčková Štěpánka, Mgr. CSc.	11	Zachoval Roman, Assoc. Prof. MUDr. Ph.D.	10
Diblík Pavel, MUDr.	11	Vyletál Petr, Ing. Ph.D.	11	Zápotocký Martin, RNDr. Ph.D.	10
Dungl Pavel, Prof. MUDr. DrSc.	11	Zeman Miroslav, Assoc. Prof. MUDr. CSc.	11	Zemanová Milada, Assoc. Prof. MUDr. Ph.D.	10
Dvořáček Jan, Prof. MUDr. DrSc.	11	Bešán Tomáš, MUDr. CSc.	10	Zikánová Marie, Ing. Ph.D.	10
Eliška Oldřich, Prof. MUDr. DrSc.	11	Beran Ondřej, Assoc. Prof. MUDr. Ph.D.	10	Žižka Zdeněk, MUDr. CSc.	10
Hoza Jozef, Assoc. Prof. MUDr. CSc.	11	Berná Linda, Ing. Ph.D.	10		
Chalupa Pavel, Prof. MUDr. CSc.	11	Brožová Hana, MUDr. Ph.D.	10		
Jančová Eva, MUDr. CSc.	11	Čabala Radomír, Assoc. Prof. RNDr. Dr.	10		
Janota Jan, Assoc. Prof. MUDr. Ph.D.	11	Dobrovolný Robert, RNDr. Ph.D.	10		
Jirkovská Marie, Assoc. Prof. MUDr. CSc.	11	Dohnalová Alena, Ing.	10		
Klézl Zdeněk, Prof. MUDr. CSc.	11	Doležel Martin, Assoc. Prof. MUDr. Ph.D.	10		
Kohoutová Milada, Assoc. Prof. MUDr. CSc.	11	Gašová Zdenka, Assoc. Prof. MUDr. CSc.	10		
Komarc Martin, Mgr. Ph.D.	11	Hubka Petr, MUDr. Ph.D.	10		
Králíková Eva, Prof. MUDr. CSc.	11	Chalupová Katarína, Mgr. Ph.D.	10		
Krylov Vladimír, RNDr. Ing. Ph.D.	11	Chomiak Jiří, Prof. MUDr. CSc.	10		
Lindner Jaroslav, Prof. MUDr. CSc.	11	Jirák Roman, Assoc. Prof. MUDr. CSc.	10		
Lipská Ludmila, Assoc. Prof. MUDr. Ph.D.	11	Kameníková Ludmila, Prof. RNDr. DrSc.	10		
Martínek Jan, Assoc. Prof. MUDr. Ph.D.	11	Kittnar Otomar, Prof. MUDr. CSc. MBA	10		
Miovský Michal, Prof. PhDr. Ph.D.	11	Kostrouchová Marta, MUDr. CSc.	10		
Naňka Ondřej, Assoc. Prof. MUDr. Ph.D.	11	Koucký Michal, MUDr. Ph.D.	10		
Netuka David, Prof. MUDr. Ph.D.	11	Kučerová Zdenka, Ing. CSc.	10		
Nikolai Tomáš, Mgr. Ph.D.	11	Lízrová-Preiningerová Jana, MUDr. Ph.D.	10		
Petrtyl Jaromír, MUDr. CSc.	11	Machová Poláková Kateřina, Assoc. Prof. Mgr. Ph.D.	10		
Petříček Miroslav, Ing. CSc.	11	Mára Michal, Assoc. Prof. MUDr. CSc.	10		
Písačka Martin, MUDr.	11	Michálek Pavel, Prof. MUDr. Ph.D. DESA MSc.	10		
Přistoupilová Anna, Mgr. et Mgr.	11	Muravská Alexandra, RnDr. Ph.D.	10		
Reiterová Jana, Assoc. Prof. MUDr. Ph.D.	11	Navrátil Leoš, Prof. MUDr. MBA CSc. dr. h. c.	10		
Rusinová Kateřina, MUDr. MgA. Ph.D.	11	Nawka Alexander, MUDr. Ph.D.	10		
Schwarz Jiří, MUDr. CSc.	11	Odrážka Karel, Prof. MUDr. Ph.D.	10		
Sieger Tomáš, Mgr.	11	Otáhal Pavel, MUDr. Ph.D.	10		
Skácel Tomáš, MUDr.	11	Pavlišťová Lenka, Mgr. Ph.D.	10		
Soukup Viktor, Assoc. Prof. MUDr. Ph.D.	11				
Suchánek Štěpán, Assoc. Prof. MUDr. Ph.D.	11				



*PhDr. Hana Skálová
Head of the Institute of Scientific Information
of the First Faculty of Medicine
of Charles University*

INSTITUTE OF SCIENTIFIC INFORMATION OF THE FIRST FACULTY OF MEDICINE AND GENERAL UNIVERSITY HOSPITAL IN PRAGUE

In 2019, the Institute of Scientific Information of the First Faculty of Medicine and General University Hospital in Prague had to face the need in further development of the current services as well as lots of completely new challenges, imposed by both the development of information science and the environment.

The activities of the Central Library of Charles University and its particular library and information facilities is governed by the new Charles University Library and Circulation Rules (the Rector's Directive number 36/2019), effective since 1st December 2019, which directs and unifies the conditions of the unified users' registration as well as providing and employing the librarian and information services. These steps are one of the basic requisites in preparation of the transition to the new librarian system. These new conditions were responded by the Dean's Order number 15/2019 – the Operation Regulation of the Institute of Scientific Information.

By 31st December 2019, as many as 3,831 users were registered; of whom 2,913 were undergraduate and graduate students, incl. those on study placement, 366 Faculty staff members, another 36 University staff members, 422 users from other Charles University units and 95 from among general public. The dramatic temporary decrease in the number of users occurred at the moment the new Charles University Library and Circulation Rules became effective, as those users whose registration had elapsed – even by one day – were deleted from the system. Now they are gradually registering in the system again, sometimes in new user categories.

In early December 2019, the Institute launched its new web pages. When creating them, we focused on maximum clearness and fast orientation in the offer of services provided for all categories of users. Extraordinary emphasis is put on the fast and intuitive orientation in e-resources – data bases and periodicals, and in the section dealing with collection of publication activities data and evaluation of scientific work. For further better adjustment, any feedback is welcome.

Communication with students is effected both by in-person contact and through social webs.

The Institute is one of the particular library and information facilities of Charles University. The Central Library of Charles University, which co-ordinates librarian and information services within the University, extended even more in 2019. In the co-operation, the focus is mainly on the following areas:

- operation of the current library system Aleph (licence valid till 31st December 2020);
- co-operation in choosing a new system – technical and operational conditions;
- unification of conditions under which the librarian and information services are provided by all faculty libraries within Charles University;
- participation in the project CzechELib (CEL) – centralized purchase of electronic information resources at Charles University;
- acquisition of electronic information resources beyond the CEL project for groups of faculties, specifically for the 5 medical faculties;
- management of the portal of e-resources and services of the discovery system UKAŽ for centralized searching in hybrid collections of the libraries at Charles University;
- recording of publication activities and preparation of information output for the purposes of the Faculty and beyond;

- agenda of Open Access and other activities to support scientific publishing activities;
- system Turnitin;
- implementation of centralized solutions for digital repositories etc.

LIBRARY

The specialized public access library provides all information services both from the printed resources (p-resources) and electronic resources (e-resources) for all categories of users. Study resources for students in English parallel classes and other users studying texts in English are secured thanks to agreement of all medical faculties of Charles University under the CEL project for 2020–2025 by the well-tested and intensively used collection of Thieme.

The total number of library operations performed was 115,958 (45,228 items loaned, 70,730 loans prolonged).

The total number of librarian operations reached 115,958 (including the said 45,228 items loaned and 70,730 loans prolonged). As for presence services, between 2nd January and 20th December 2019 the resource room welcomed the total 22,695 visits (21,532 students of the First Faculty of Medicine and 1,163 others). To improve protection of the collections in the resource room, new modern safety gates were installed in summer 2019.

Interlibrary loan services (MVS, or the international MMVS) are still much requested. The library staff provide both printed and electronic documents that are not available at the First Faculty of Medicine, Charles University or the Czech Republic from similar libraries and information institutions throughout the country as well as abroad. In 2018, they met more than 1,350 orders.

The current (already revised) library collection held at the departments and institutes was still undergoing gradual standard re-cataloguing in 2019. It is only the staff of the Institute of Scientific Information that has been performing this task. During 2019, the total number of 3,615 library items (monographs and series of periodicals) were processed. By 31st December 2019, collections of 21 branch libraries have been completely processed.

SECTION OF PROCESSING OF HISTORIC LIBRARY ITEMS

The section of historic library items performs systematic professional processing of the collection of the Institute for History of Medicine and Foreign Languages of the First Faculty of Medicine, which involves arrangement of the collection, its complete cataloguing, cleansing and treatment, and subsequently appropriate keeping of each volume in a special “tailored” box of non-acidic cardboard. In 2019, processing of incunabula from the collection of the Institute of histology and embryology was finished, and still continuing is co-operation with the Institute of Anatomy, which began in 2018. In the collection of manuscripts and incunabula of the Institute of Anatomy, many extraordinarily interesting items were discovered, which contribute to a better understanding of the Faculty’s history. The physical state of some of them, however, is beyond the limit of their lifetime due to biological degradation of the acid paper, and their digitalization is required so that the information will be safely preserved.

Our cataloguing of the historic collection is systematically focused on provenance research whose purpose is identification of book collections that subsequently became part of the collection of the First Faculty of Medicine of Charles University. We started to visualize the obtained data in a survey by means of some previously developed modules and therefore to present not only uniqueness of the books in question but also the links of the personalities and institutions that owned them before. In making the catalogue records, we respect the rules for provenance records under the project Provenio. During 2016, big format books were processed this way, in 2017 we catalogued the 16th century printed items, while in 2018 and 2019 the cataloguing activities concentrated on processing the publications that were printed in the second half of the 17th century.

The services in cataloguing and restoration of incunabula have been offered to other institutes and departments of the Faculty too.

All the time, we are trying to systematically popularize the work of our section and our methods as well as the richness of the Faculty’s historical collection and its tradition. In 2019 we made a presentation at the colloquium of the Centre for Medieval Studies at the Faculty of Arts and Philosophy of Charles University, and participated in the 17th Seminar of Conservators and Historians held in Jihlava, presenting the results of our restoration and conservation work. In October 2019, the Central Library of Charles University organized the conference Historic Collections of Charles University, where the results of our work in the past 5 years were presented. Within this conference, we organized a workshop on cataloguing of historic book collections for the Central Catalogue of Charles University. We were invited to organize this event, above all, because we are the first faculty of Charles University to process the historic book collections systematically. The principal of our section was co-opted to the committee of the Czech Association for Digital Humanities. Pilot projects were created for visualization of former owners of selected collections by means of already existing tools, and we are developing an own application, tailored to the nature of our collections.

Processing of the scanned library items is performed in the ProArc productive and archiving system. Subsequently the titles are displayed in the Faculties digital library Bibliotheca Facultatis Medica Prima in the Kramerius system (kramerius.lf1.cuni.cz). We co-operate with the Register of Digitalization of the National Library of the Czech Republic (www.registrdigitalizace.cz) where we report new acquisitions and/or plans of digitalization. This is to avoid duplication of the work. In 2019 we opened access to incunabula and rare titles that are not subject to the copyright law from the funds of the above mentioned institutes and departments as well as the first yearly volumes of the medical journal *Sborník lékařský* (1887-1816).

An extraordinary asset for development of digitalization of historic prints and manuscripts is the large-format book cradle scanner Bookeye, which we purchased in 2019. It enables us to digitalize even those volumes that could not be digitalized on a flat scanner due to their bad condition. In the system Kramerius, the digitalized items are available to a widest scope of users – students, scientists and professional public – from the fields of history, library practice, linguistics etc.

SECTION OF REFERENCE SERVICES AND MANAGEMENT OF E-RESOURCES

The Section of Reference Services and Management of E-resources is in charge of acquisition and management of 70 electronic information resources, i.e. data bases, e-journals and e-books. These resources are permanently subscribed within the consortium CEL, whose co-ordinator is the National Technological Library. It co-operates with the reference sections of the other academic medical libraries in order to preserve the diverse scope of medical and multidisciplinary data bases. The core subscribed clinical data bases include e.g. Medline, Micromedex and UpToDate, the citation data bases include for example the Web of Science (WoS) and Scopus.

Although the consortium CEL also include collections of e-journals, it is not possible to comprise each journal with its complete retrospective. Therefore, the access to the missing volumes of journals is solved through the interlibrary or international loan services. From 2020 on, the collection of journals of the publisher Lippincott Williams and Wilkins, containing a large number of periodicals on medicine, pharmacology and non-medical health sciences, will be accessible again via CEL again. It is, therefore, presumed that the users will be able to search the full text of the specific article more effectively without assistance of the staff of the Institute.

Possible technical problems in access to e-resources can be solved upon a notice directly by the Central library of Charles University or by the publisher.

Since December 2019, new web pages of the First Faculty of Medicine of Charles University and General University Hospital in Prague have been operational, where you can access the Faculty's and/or Hospital's data bases and collections of e-journals and e-books through fast references or via the section E-resources. For easier orientation in the web pages, a series of training classes was prepared for the staff of First Faculty of Medicine and General University Hospital. Our Section offers and provides schooling for particular departments and institutes as well.

The Section also provides literature search services for the staff of the Faculty and the Hospital, as well as navigation services and interlibrary or international loan services for all registered users of the library. Further, it takes part in tuition for accredited non-medical study programmes and seminars for doctorands as well as other interested users from among the academic community of Charles University or the staff of the Hospital. The Section promotes electronic information resources at social webs. During the University Week with Electronic Information Resources, held between 11th and 15th November 2019, our employees participated in direct promotion of e-resources among both Czech and international students.

SECTION OF BIBLIOGRAPHIC RECORDING OF PUBLISHING ACTIVITIES AND EVALUATION OF SCIENTIFIC WORK AT THE FIRST FACULTY OF MEDICINE

Collection of publishing activities

This Section co-ordinates the records of publishing activities, which is governed by the Rector's Directive number 24/2018. The data is further processed for the Faculty's purposes and then forwarded to the Register of Information on Results (RIV), which is part of the information system for research, experimental development and innovations. It also serves for internal evaluation of creative activities at the Faculty and recently at the University as well.

Collection of the data on published works of the authors from the First Faculty of Medicine as well as General University Hospital (with one common data base for the two institutions) is performed through the centralized university system IS Science (OBD module). At the time, collection of the records issued in 2019 is in course, which is done by collectors at particular organization units. Beyond that, also the staff of the Institute enter some items, above all articles from the data base WoS but also articles from Czech journals, chapters from monographs and books that are available in the own collection of the Institute of Scientific Information. The goal is maximum economy of work of particular authors. Therefore, the academic staff are only burdened with checking the particular entries, adding some specific information and supplying information about their other publications which cannot be searched in the ordinary way. Particular units are requested to do that as collection of the data is nearly completed, i.e. at the beginning of each new year, this time 2020.

Communication between the authors and the Institute of Scientific Information is mediated by specific persons in charge from particular units (e.g. the librarian, the secretary or a junior scientist) whose knowledge of the setting and their everyday contact with the authors are invaluable, considerably speeding up checking the publication entries or completing any missing obligatory data. The finished entries of our authors are available in a public access browser at the internet address https://verso.is.cuni.cz/fcgi/verso.fpl?fname=obd_public&public_id=1201. Nevertheless, exports from the data base are still a popular and much-employed service – all kinds of surveys of recorded publications for various purposes and in adjustable formats.

At the web pages of the Institute (<http://uvi.lf1.cuni.cz>) in the section Publishing activity, all continuously updated manuals and information necessary for data collection and the agenda of responses in citations are available.

Response in citations

The work of the Section also includes the agenda of responses in citation and the Hirsch index (h-index), which serves for internal evaluation at the First Faculty of Medicine for the last calendar year. Special methodology is available to facilitate the processing of responses in citation.

A complementary activity of the Section is identification of faulty entries in WoS, which frequently occur due to unreliable automated processing. Sorting the data out leads to an increase of responses in citation and the h-index of our authors, and thereby to a better prestige of the Faculty as a whole.

Internal evaluation of scientific work at the First Faculty of Medicine of Charles University

At the time, internal evaluation of scientific publications of 2018 is in progress. The information about evaluation of the publishing activities at the Faculty is available at the address <http://uvi.lf1.cuni.cz/publikacni-cinnost/interni-evaluace>. They are also given in this Annual Report in the section Bibliography.

Open Access

On 25th November 2019, the Rector's Board of Charles University discussed the document *Results of data in relation to the call of the First Vice-chairman of the Government Council for research, development and innovation of 9th July 2019* – a partial implementation of the measures of the Action Plan for implementation of the national strategy of open access to scientific information in the Czech Republic between 2017 and 2020. The Central Library of Charles University was also invited to provide source documents, and in turn it invited the particular faculties to establish the costs of publication in the Open Access scheme. The Institute of Scientific Information in co-operation with the Grant Projects Department selected everything that could be possibly found to be Open Access costs. This data was never observed before, so the work was very demanding, also considering the close deadline for the completion (search for the costs in the agenda of the Grant Projects Department and matching them to specific publications in OBD at the Institute). We agreed that in future the Open Access costs will be marked with a special sign to enable fast search.

Information on the sphere of open access is displayed at the web site of the Institute of Scientific Information – <http://uvi.lf1.cuni.cz/otevreny-pristup>. Considering the importance of the task, a new Open Science Support Centre was established within the Central Library of Charles University. Specialists who can answer the users' questions are available at admin-aa@cuni.cz.

VIDEO AND PHOTO SECTION

Activity of the section is focused on creation of video programmes. This work is performed by Mr. Tomáš Herrmann. His services are highly professional and the video studio is in demand more and more. In 2019, as many as 5 video records of chats and social events were made, 92 video lectures were processed and 29 autonomous learning video programmes were created.

Education

For decades, the Institute of Scientific Information has been taking part in tuition of bachelor and follow-up masters programmes, specifically in the fields of addictology, occupational therapy, nutritional therapy and midwifery. The tuition is divided into lectures for all Bachelor programmes and practical seminars, separate for each non-medical study programme. Emphasis in the training is on practical use of literature search (citation of the literature used according to the ČSN ISO 690:2011 standard, APA; identification of a professional source and its discrimination from a non-professional one; compilation of a review of a recent professional article) and e-resources (learning about data bases and collections of e-journals and e-books of the University and the First Faculty of Medicine). In this academic year, a facultative subject "Strategy of work with professional medical information" was put on the schedule of the summer semester, which is mainly addressed to students of general medicine and dentistry. Among other things, it deals with the issues of EBM and critical thinking.

Acknowledgements

The Institute of Scientific Information is in constant contact ÚVI with the Vice-Dean for Scientific Activities Assoc. Prof. MUDr. Pavel Klener, Ph.D. In the General University Hospital, MUDr. Jan Bříza, CSc. as the Deputy Director for science, research and education was replaced by Prof. MUDr. Pavel Michálek, Ph.D., DESA., M.Sc. We owe Dr. Bříza many thanks for more than two decades of smooth co-operation.

On this occasion, I on behalf of the staff of the Institute of Scientific Information say thank you to all people who contributed to development of our services in the past year, both by advice and deed. Our objective is the continuous shift in perception of our Institute from a "library" to a professional institution providing complex and qualified librarian and information services to support education, science, research and studies.

MONOGRAPHS IN 2019

SELECTED MONOGRAPHS AND TEXTBOOKS PUBLISHED BY AUTHORS/CO-AUTHORS FROM CHARLES UNIVERSITY – THE FIRST FACULTY OF MEDICINE AT RELEVANT PUBLISHING HOUSES IN 2019

Academia

- BÁRTA, Miroslav, ed. and Martin KOVÁŘ, ed. *Civilisations: collapse and regeneration: addressing the nature of change and transformation in history*. Prague: Academia, 2019. 820 pp. ISBN 978-80-200-2907-2.

H. Beck

- TĚŠINOVÁ C., Jolana and Tomáš DOLEŽAL and Radek POLICAR. *Medicínské právo* [Medical law]. 2nd ed.. Prague: C. H. Beck, 2019. xxxiii, 460 pp. ISBN 978-80-7179-318-2.

CPRESS

- ČECHOVÁ, Kateřina et al. *V bludišti jménem Alzheimer: na co v ordinaci nezbývá čas* [In the maze called Alzheimer: what we have not enough time for in the surgery]. Prague: CPRESS, 2019. 430 pp. ISBN 978-80-264-2707-0.

Current media

- ZLATOHLÁVEK, Lukáš et al. *Klinická dietologie a výživa* [Clinical dietology and nutrition]. 2nd amended ed. Prague: Current media, 2019. 519 pp. ISBN 978-80-88129-44-8.

Elsevier

- RAMIREZ, Pedro T. and Michael FRUMOWITZ and Nadeem R.ABU-RUSTUN et al. *Principles of gynecologic oncology surgery*. Philadelphia: Elsevier, 2019. 416 pp. ISBN 978-0-323-42878-1.

Galén

- GRIM, Miloš et al. *Základy anatomie. 1., Obecná anatomie a pohybový systém* [Basic anatomy. Vol. 1: General anatomy and the locomotor system]. 2nd revised and amended ed. Prague: Galén, 2019. 198 pp. ISBN 978-80-7492-418-7.
- LEBL, Jan et al. *Onemocnění skeletu u dětí: motolské pediatrické semináře 4* [Diseases of the skeleton in children: Motol practical seminars 4]. Prague: Galén, 2019. 125 pp. ISBN 978-80-7492-439-2.
- NAŇKA, Ondřej and Miloslava ELIŠKOVÁ. *Přehled anatomie* [Survey of anatomy]. 4th ed. Prague: Galén, 2019. 416 pp. ISBN 978-80-7492-450-7.
- ROB, Lukáš et al. *Gynekologie* [Gynaecology]. 3rd revised and amended ed. Prague: Galén, 2019. 356 pp. ISBN 978-80-7492-426-2.
- ROZSÍVAL, Pavel, ed. *Trendy soudobé oftalmologie*. Sv. 12 [Trends in current ophthalmology. Vol. 12]. Prague: Galén, 2019. 156 pp. ISBN 978-80-7492-425-5.
- SEIFERT, Bohumil et al. *Všeobecné praktické lékařství* [Medicine of general practice]. 3rd revised and amended ed. Prague: Galén, 2019. xxix, 833 pp. ISBN 978-80-7492-422-4.
- SKÁLA-ROSENBAUM, Jiří et al. *Zlomeniny proximálního femuru* [Fractures of proximal femur]. Prague: Galén, 2019. 353 pp. ISBN 978-80-7492-423-1.
- SOBOTKA, Luboš, ed. et al. *Basics in clinical nutrition*. 5th edit. Prague: Galén, 2019. xxxiv, 676 pp. ISBN 978-80-7492-427-9.
- SUKOP, Andrej et al. *Akutní poranění ruky* [Acute injuries of the hand]. 2nd amended ed. Prague: Galén, 2019. xix, 196 pp. ISBN 978-80-7492-376-0.
- ŠTEFAN, Marek. *Antibiotika v klinické praxi* [Antibiotics in clinical practice]. Prague: Galén, 2019. 312 pp. ISBN 978-80-7492-397-5.
- WENDSCHE, Peter et al. *Traumatologie* [Traumatology]. 2nd revised and amended ed. Prague: Galén, 2019. xx, 371 pp. ISBN 978-80-7492-452-1.

Gentiana

- *Erlebašské rozjímání: quo vadis, Europa?* [Contemplations in Erlebach: quo vadis, Europa?]. Jilemnice: Gentiana in co-operation with the First Faculty of Medicine of Charles University and Resort Sv. František, 2019. 87 pp. ISBN 978-80-86527-64-2.

Grada

- SABRAHÁMOVÁ, Jitka et al. *Co byste měli vědět o rakovině prsu* [What you should know about breast cancer]. 2nd updated and amended ed. Prague: Grada, 2019. 172 pp. ISBN 978-80-271-2055-0.
- KOLIBA, Peter et al. *Sexuální výchova pro studenty porodní asistence a ošetrovatelství* [Sex education for students of midwifery and nursing]. Prague: Grada, 2019. 184 pp. ISBN 978-80-271-2039-0.
- MAREK, Josef, ed. and Michal VRABLÍK, ed. *Markova farmakoterapie vnitřních nemocí* [Marek's Pharmacotherapy for internal diseases]. 5th completely revised and amended ed. Prague: Grada, 2019. xxiv, 868 pp. ISBN 978-80-247-5078-1.



- NAVRÁTIL, Leoš, ed. *Fyzikální léčebné metody pro praxi* [Physical therapeutic methods]. Prague: Grada, 2019. 199 pp. ISBN 978-80-271-0478-9.
- NAVRÁTIL, Leoš and Jozef ROSINA, et al. *Medicínská biofyzika* [Medical biophysics]. 2nd completely revised and amended ed. Prague: Grada, 2019. 432 pp. ISBN 978-80-271-2701-9.
- PAYNE, Jan. *Informovaný konsenzus: poučená dohoda* [Informed consent: advised agreement]. Prague: Grada, 2019. 128 pp. ISBN 978-80-271-2424-4.
- VEVERKOVÁ, Eva et al. *Ošetrovatelské postupy pro zdravotnické záchranáře II* [Nursing procedures for health rescue professionals II]. Prague: Grada, 2019. 165 pp. ISBN 978-80-271-2099-4.

InTechOpen

- TOMCIK, Michal, ed. *New insights into systemic sclerosis*. London: InTechOpen, 2019. 160 pp. ISBN 978-1-83962-204-5.

Stanislav Juhaňák – Triton

- KVAPIL, Milan, ed. *Diabetologie 2019* [Diabetology 2019]. Prague: Triton, 2019. 355 pp. ISBN 978-80-7553-676-1.
- RŮŽIČKA, Evžen, et al. *Neurologie* [Neurology]. Prague: Stanislav Juhaňák – Triton, 2019. xxxix, 541 pp. ISBN 978-80-7553-681-5.
- WIDIMSKÝ, Jiří et al. *Arteriální hypertenze – současné klinické trendy. XVII* [Arterial hypertension – current clinical trends. XVII]. Prague: Stanislav Juhaňák – Triton, 2019. 173 pp. ISBN 978-80-7553-678-5.

Karolinum

- ČELEDOVÁ, Libuše et al. *Social medicine: an introduction to new public health*. Prague: Karolinum, 2019. 168 pp. ISBN 978-80-246-4276-5.
- HORBACZEWSKI, Jan. *Chemie lékařská* [Medical chemistry]. 1st ed., reprint. Prague: Karolinum, 2019. ISBN 978-80-246-4344-1.
- KALIŠOVÁ, Lucie et al. *Elektrokonvulzivní léčba – teorie a praxe* [Electroconvulsive therapy – theory and practice]. Prague: Karolinum, 2019. 117 pp. ISBN 978-80-246-4337-3.
- ZACHAROV, Sergej. *Challenges of mass methanol poisoning outbreaks: diagnosis, treatment, and prognosis of long-term health sequelae*. Prague: Karolinum, 2019. 218 pp. ISBN 978-80-246-4248-2.

Wolters Kluwer

- HATCH, Kenneth D., (ed.). *Operative techniques in gynecologic surgery. Gynecologic oncology*. Philadelphia: Wolters Kluwer, 2019. 227 pp. ISBN 978-1-4963-5609-3.

LD Prager Publishing

- ZÁMEČNÍK, Josef, ed. *Patologie* [Pathology]. Prague: LD Prager Publishing, 2019. 3 volumes. lxxiii, 915, xciv pp. ISBN 978-80-270-6457-1.

Maxdorf

- BÜCHLER, Tomáš et al. *Obecná onkologie* [General oncology]. Prague: Maxdorf, 2019. 373 pp. ISBN 978-80-7345-617-7.
- DUBOVÁ, Olga and Michal ZIKÁN. *Gynekologie a porodnictví: praktické repetitorium* [Obstetrics and gynaecology: a practical manual]. Prague: Maxdorf, 2019. 863 pp. ISBN 978-80-7345-599-6.
- FAIT, Tomáš et al. *Moderní farmakoterapie v gynekologii a porodnictví* [Modern pharmacotherapy in obstetrics

- and gynaecology]. 3rd updated and revised ed. Prague: Maxdorf, 2019. 623 pp. ISBN 978-80-7345-607-8.
- HÁNA, Václav. *Endokrinologie pro praxi* [Endocrinology for practice]. 2nd updated ed. Prague: Maxdorf, 2019. 255 pp. ISBN 978-80-7345-625-2.
 - KOLEK, Vítězslav et al. *Sarkoidóza: nemoc mnoha tváří* [Sarcoidosis: disease of many faces]. Prague: Maxdorf, 2019. 432 pp. ISBN 978-80-7345-628-3.
 - NETUKA, David et al. *Adenomy hypofýzy: diagnostika a komplexní léčba* [Pituitary adenoma: diagnosis and complex therapy]. Prague: Maxdorf, 2019. 249 pp. ISBN 978-80-7345-620-7.
 - SOLOVIČ, Ivan et al. *Tuberkulóza ve faktech i obrazech* [Tuberculosis in facts and pictures]. Prague: Maxdorf, 2019. 406 pp. ISBN 978-80-7345-613-9.
 - SZONOWSKÁ, Barbora et al. *Paliativa v nefrologii: podpůrná a paliativní péče u pacientů s onemocněním ledvin* [Palliatives in nephrology: supportive and palliative therapy in patients with kidney disease]. Prague: Maxdorf, 2019. 330 pp. ISBN 978-80-7345-603-0.
 - VANČÍKOVÁ, Zuzana. *Respirační onemocnění u dětí* [Respiratory diseases in children]. Prague: Maxdorf, 2019. 311 pp. ISBN 978-80-7345-610-8.
 - VAVŘÍK, Pavel et al. *Revizní operace totálních náhrad kolenního kloubu* [Repeat surgery of total knee joint replacements]. Prague: Maxdorf, 2019. 503 pp. ISBN 978-80-7345-602-3.
 - VOJÁČEK, Jan and Jiří KETTNER. *Klinická kardiologie* [Clinical cardiology]. 4th ed. Prague: Maxdorf, 2019. 1229 pp. ISBN 978-80-7345-600-9.
 - WIDIMSKÝ, Jiří et al. *Hypertenze* [Hypertension]. 5th ed. Prague: Maxdorf, 2019. 553 pp. ISBN 978-80-7345-621-4.
 - ZÁMEČNÍK, Libor et al. *Moderní farmakoterapie v urologii* [Modern pharmacotherapy in urology]. Prague: Maxdorf, 2019. 311 pp. ISBN 978-80-7345-609-2.

Mladá fronta

- *90 let české kardiologie* [90 years of Czech cardiology]. Prague: Mladá fronta, 2019. 517 pp. ISBN 978-80-204-5248-1.
- ADÁMKOVÁ, Václava et al. *Antibiotika v primární péči* [Antibiotics in primary care]. Prague: Mladá fronta, 2019. 159 pp. ISBN 978-80-204-5247-4.
- ADÁMKOVÁ KRÁKOROVÁ, Dagmar et al. *Sarkomy* [Sarcomata]. Prague: Mladá fronta, 2019. 295 pp. ISBN 978-80-204-5271-9.
- FIALA, Luděk, ed. and Jaroslav ZVĚŘINA, ed. *Moderní postupy v sexuologii* [Modern procedures in sexology]. Prague: Mladá fronta, 2019. 215 pp. ISBN 978-80-204-5513-0.
- HAKL, Marek et al. *Léčba bolesti: současné přístupy k léčbě bolesti a bolestivých syndromů* [Treatment of pain: recent approaches to management of pain and painful syndromes]. 3rd revised and amended ed. Prague: Mladá fronta, 2019. 247 pp. ISBN 978-80-204-5272-6.
- CHLÍBEK, Roman et al. *Očkování dospělých* [Vaccination of adults]. 2nd revised and amended ed. Prague: Mladá fronta, 2019. 654 pp. ISBN 978-80-204-5304-4.
- KŘÍŽOVÁ, Jarmila et al. *Enterální a parenterální výživa* [Enteral and parenteral nutrition]. 3rd revised and amended ed. Prague: Mladá fronta, 2019. 151 pp. ISBN 978-80-204-5009-8.
- LUKÁŠ, Karel, ed. and Jiří HOCH, ed. and Jiří NEVORAL, ed. *Bolest břicha* [Abdominal pain]. Prague: Mladá fronta, 2019. 463 pp. ISBN 978-80-204-5249-8.
- MACHÁČOVÁ, Kateřina et al. *Aktivní gerontologie, aneb, Jak stárnout dobře* [Active gerontology, or Ageing well]. Prague: Mladá fronta, 2019. 247 pp. ISBN 978-80-204-5489-8.
- NOVOTNÝ, Jan et al. *Onkologie v klinické praxi: standardní přístupy v diagnostice a léčbě vybraných zhoubných nádorů* [Oncology in clinical practice: standard approaches in diagnosis and treatment of malignant tumours]. 3rd revised and amended ed. Prague: Mladá fronta, 2019. 639 pp. ISBN 978-80-204-5103-3.
- PTÁČEK, Radek, ed. and Petr BARTŮNEK, ed. *Eutanazie – pro a proti* [Euthanasia – pros and contras]. Prague: Mladá fronta, 2019. 445 pp. ISBN 978-80-204-5339-6.
- RABOCH, Jiří et al. *Duševní zdraví a životní styl: psychiatrie životním stylem* [Mental health and life style: psychiatry through life style]. Prague: Mladá fronta, 2019. 295 pp. ISBN 978-80-204-5501-7.
- RUSINA, Robert, et al. *Neurodegenerativní onemocnění* [Neurodegenerative diseases]. 2nd revised and amended ed. Prague: Mladá fronta, 2019. 447 pp. ISBN 978-80-204-5123-1.
- SVAČINA, Štěpán. *Jsou metabolická onemocnění příčinou všech nemocí?: orgánový pohled na metabolická rizika* [Are metabolic conditions the cause of all diseases?: organic view of metabolic hazards]. Prague: Mladá fronta, 2019. 126 pp. ISBN 978-80-204-5292-4.
- TÁBORSKÝ, Miloš et al. *Novinky v kardiologii 2019* [News in cardiology 2019]. Prague: Mladá fronta, 2019. 395 pp. ISBN 978-80-204-5252-8.
- ZIEG, Jakub et al. *Dětská nefrologie do kapsy* [Pocket paediatric nephrology]. Prague: Mladá fronta, 2019. 399 pp. ISBN 978-80-204-5330-3.

Solen

- *Výživa dětí v praxi: od početí k dospělosti* [Nutrition of children in practice: from conception to adulthood]. Olomouc: Solen, 2019. 74 pp. ISBN 978-80-7471-284-5.

Roche, pp.r.o.

- SLABÝ, Ondřej et al. *Precizní medicína v onkologii* [Precision medicine in oncology]. Prague: Roche pp.r.o., 2019. 26 pp. ISBN 978-80-270-6507-3.

Springer

- ASEA, A. A., ed. and Punit KAUR, ed. *Chaperokine activity of heat shock proteins*. Cham: Springer, 2019. 320 pp. ISBN 978-3-030-02253-2.
- KOCOVA, Eva, ed. *HRCT in interstitial lung disease: instructive case studies*. Cham: Springer, 2019. xxii, 320 pp. ISBN 978-3-030-16314-3.
- TRAIL, Ian A. and Lennard FUNK and Amar RANGAN and Matthew NIXON, (eds.). *Textbook of shoulder surgery*. Cham: Springer, 2019. 628 pp. ISBN 978-3-319-70098-4.
- ZHENG, Wenxin, ed. et al. *Gynecologic and obstetric pathology*. Volume 1. Singapore: Springer, 2019. xix, 557 pp. ISBN 978-981-13-3016-2.

Springer Nature

- SINGH, Sarika and Neeraj JOSHI, (eds.). *Pathology, prevention and therapeutics of neurodegenerative disease*. Singapore: Springer nature, 2019. 301 pp. ISBN 978-981-13-0943-4.

Tobiáš

- BETKA, Jaroslav, et al. *Poruchy dýchání ve spánku – chirurgická léčba* [Breathing disturbances in sleep – surgical treatment]. Havlíčkův Brod: Tobiáš, 2019. 274 pp. ISBN 978-80-7311-197-7.



International Relations of the First Faculty of Medicine are an important part in the life of the Faculty and are based on its principles of openness and promotion of prestige. The teacher and student exchange within their studies and particularly international co-operation in the sphere of science enrich the life of the Faculty and bring new stimuli and impulses. Highly dynamic are international contacts of particular institutes and departments and their representatives. Our partners abroad include a great number of universities and scientific institutions not only in Europe and worldwide.

At the educational and scientific level, co-operation takes the form of bilateral educative postgraduate and undergraduate activities, seminars and congresses. A fair number of presenters from abroad participated at symposia and conferences organized by particular institutes as well as by professional medical societies in collaboration with the First Faculty of Medicine of Charles University

INTERNATIONAL STUDENT EXCHANGE AND STAYS ABROAD

Among the medical schools of Charles University, it is the First Faculty of Medicine that offers the students with the widest choice of stays and placements abroad, and it is the Erasmus+ programme that continues to play the key role within the system of student mobility.

The Erasmus+ programme (2014–2020) merged seven previous programmes and is meant for a wide scope of individuals and organizations. The objective of the Erasmus+ programme is to contribute to achieving the goals of the strategy Evropa 2020 for promotion of employment, social equity and inclusion as well as for the goals of the strategic framework of EU for education and professional training ET2020. The Erasmus+ programme is also to serve promotion of sustainable development in the sphere of university education and contribute to achieving the goals of the EU strategy for youth. This programme is divided into three key activities: Educational mobility (KA 1), Strategic partnerships (KA 2), Support for reforms of educational policy (KA 3). The minimum duration of educational stays is three months, for practical training stays two months, and students are allowed to take repeated stays, up to the total 24 months in case of long master study programmes.

Since 2015, bilateral exchange of university students and staff beyond Europe has been supported within the ERASMUS+ programme, called International Credit Mobility (ICM), above all to the mobility towards the programme countries (i.e. in the direction to Europe). This means the possibility of taking individual mobility for students and employees beyond Europe. These mobility exchanges are implemented on the base of projects with selected universities, and the period of implementation is three years. The projects are submitted under an annual call in February, and admission is announced in late August. The Faculty has been participating in this programme since the very beginning, represented by the Department of Rehabilitation Medicine, every year applying for support of the co-operation with the Tel Aviv University, Sheba Medical Center. Two students of Occupational therapy took the three-month study placement, and two employees travelled as well. The Department of Rehabilitation Medicine, in turn, admitted 8 staff members for 2-week placements. We continue the co-operation further, and more places for mobility are being prepared.

Exchange with Swiss universities is performed under the Swiss-European Mobility Programme, which replaced the Erasmus programme in 2014. In 2019, our Faculty sent two students to Switzerland.

In the academic year 2018-2019, as many as 99 our students travelled abroad under the ERASMUS+ programme. The Faculty still enjoys keen interest of international students, as 115 of them arrived. The programme also enables mobility of academic staff. Eight staff members travelled abroad for training courses at our partner institutions. The Faculty, in turn, hosted 4 employees.

One student from Japan was admitted under the Faculty agreements.

From the First Faculty of Medicine, 52 students travelled, whose accommodation costs were partly – up to one half of them – covered by the means from the Mobility Fund.

A considerable activity enhancing the development of international contacts and stays of our students are the placements organized by IFMSA, the international non-government organization. For one-month placements at the units of the Faculty, 69 students were admitted, while 55 students travelled abroad (of which 23 were granted a subsidy from the Mobility Fund).

Our student travelled not only to European countries but also overseas. The most frequent destinations included Brazil, Indonesia, Sri Lanka and Kenya.

Further, a new programme for international post-doc scientists has been developed at the University, and there has been special support for “double” PhD. Programmes abroad. Applications for these posts are continuously evaluated, and the First Faculty of Medicine of Charles University offers several core fields that provide this chance.

Information on bilateral connections made, scope of placements and exchange programmes is through the regularly updated web pages of the Faculty.

Numbers of students who participated in the exchange stays in 2019

Programme	Outgoing students	Incoming students
Erasmus	97	114
European Swiss Mobility	2	1
IFMSA	55	69
Mobility Fund	52	0
CEEPUS	0	1
Inter-university agreements	–	–
Faculty agreements	1	–

ERASMUS programme at the First Faculty of Medicine, Charles University

Academic year	Number of contracts	Outgoing	Incoming
1999–2000	3	5	
2000–2001	4	20	
2001–2002	9	34	2
2002–2003	20	59	4
2003–2004	28	76	36
2004–2005	46	99	46
2005–2006	57	104	67
2006–2007	58	121	65
2007–2008	76	121	69
2008–2009	81	116	93
2009–2010	85	129	89
2010–2011	85	125	90
2011–2012	85	114	89
2012–2013	91	100	95
2013–2014	85	122	112
2014–2015	86	127	109
2015–2016	89	122	104
2016–2017	90	120	103
2017–2018	92	88	108
2018–2019	125	99	115

Institutions abroad, contractual co-operation with whom started in

Title of institution	Country	Co-operating unit of the Faculty
Catholic University in Ružomberok	Slovak Republic	Erasmus – field of Physiotherapy
Okayama University Medical School	Japan	First Faculty of Medicine, Charles University
Universita Degli Studi di Bari Aldo Moro	Italy	Erasmus – field of General medicine
Lithuanian University of Health Science	Lithuania	First Faculty of Medicine, Charles University
Brandenburg University of Technology Cottbus – Senftenberg	Germany	First Faculty of Medicine, Charles University



The Communication Department is part of the Dean's PR team, which also includes members of the Dean's Office Board and Academic Senate of the First Faculty of Medicine, IT Department and students, undergraduates as well as postgraduates.

The main goal of the Communication Department is promotion of the educational, scientific and research activities of the Faculty as well as communication with its students and staff. In 2019, the Department continued widening the scope of activities addressing the media, towards potential prospective students and public.

MEDIA AND PR

In 2019, the Communication Department continued its wide co-operation with the media, successfully making the journalists aware of affiliation of particular departments and their staff to the Faculty, deepened collaboration with PR of the university hospitals that include our training bases, further developed co-operation with the science department of the Czech TV and the newsroom staff of their round-o-clock news channel ČT 24 and major news programmes of the Czech TV and other channels. Also the collaboration with the Czech Press Agency strengthened, as well as with other media interested in science and/or education (e.g. iRozhlas, Český rozhlas Věda or Novinky.cz).

The Communication Department, independently or in collaboration with partners, organized press conferences and issued a fair number of press releases to present research and scientific achievements of both teachers and students, rewards won by our specialists etc. The communication project MEDialogy, promoting communication between the Faculty and the media, continued successfully. In 2019, the printed journal Jednička [Number One] was issued five times a year.

Together with students, the Department again organized presentation of the Faculty at the festival Prague's Healthy Teeth, the musical festival Rock for People, the Prague Museum Night, and the World Health Day.

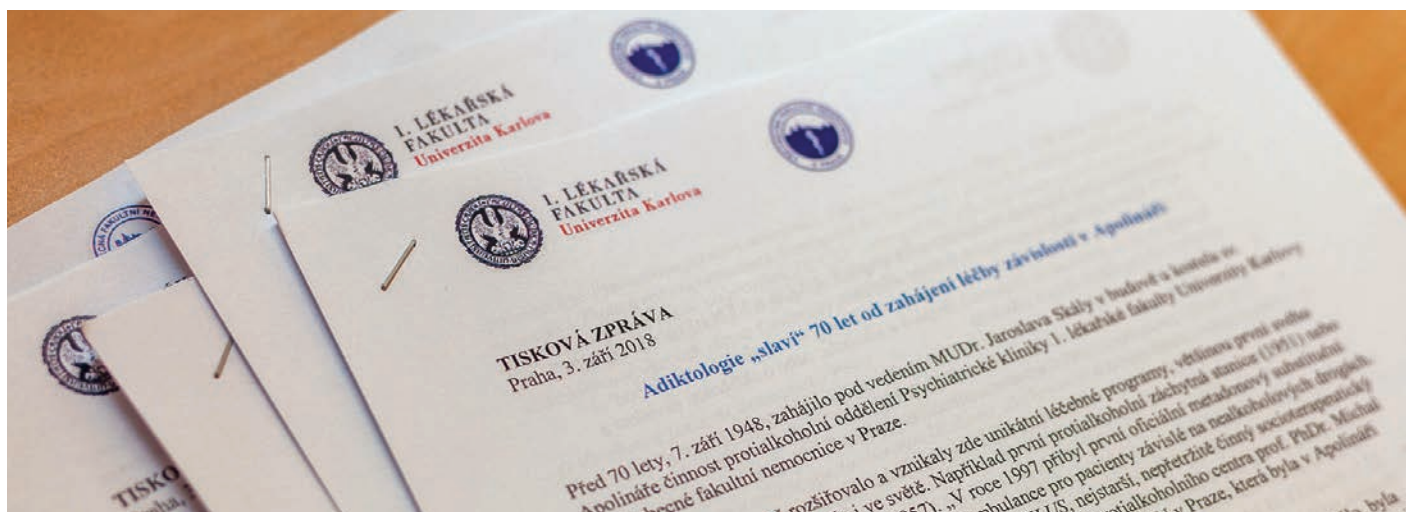
SELECTIVE LIST OF PRESS CONFERENCES:

- The first Midwifery Centre at the Hospital Na Bulovce (5 Feb 2019)
- Session of the Government Council for Gender Equity at the Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague (11 Mar 2019)
- Doctors and scientists commemorate the World Brain Tumour Day 2019 (28 May 2019)
- Revolutionary years at Number One (12 Nov 2019)
- Not only patients but also health professionals and medics (10 Dec 2019)

SELECTIVE LIST OF PRESS RELEASES:

- First Faculty of Medicine of Charles University to welcome the public (3 Jan 2019)
- Benefit of the First Faculty of Medicine of Charles University for Life 90 – First Faculty of Medicine supporting safety of the elderly (18 Jan 2019)
- Stereotactic neuroradiosurgical equipment for the General University Hospital chosen (23 Jan 2019)
- Health under control (2 Apr 2019)
- How to avoid premature loss of teeth? Prospective dentists from the First Faculty of Medicine helping too (8 Apr 2019)

- World conference on stomach carcinoma in Prague (9 May 2019)
- Genius of medical chemistry (13 May 2019)
- Food intake disturbances – no time to lose (31 May 2019)
- Gonna be afraid at the Museum Night? Definitely not with medicine and science (4 June 2019)
- Loono to launch the new campaign Lower parts OK (4 June 2019)
- Scientists from BIOCEV show how correct development of white blood cells in the thymus prevents autoimmune manifestations (27 June 2019)
- Electric guitars accompanying medical prophylaxis (3 July 2019)
- Deans praising the programme of support for medical education (15 July 2019)
- Scientists in Prague find how to faster detect harm to the heart caused by adrenal tumour (25 July 2019)
- Research into heritable kidney diseases reveal mechanism of origin and potential treatment of proteinopathies (3 Sep 2019)
- Gynaecologists of First Faculty of Medicine of Charles University: lactobacilli are the key to lower risk of ovarian cancer (16 Sep 2019)
- Interest in interactive workshops at the First Faculty of Medicine of Charles University still growing (30 Sep 2019)
- New challenges in occupational medicine require new approaches and common solutions (24 Sep 2019)
- Czech photograph from the First Faculty of Medicine of Charles University successful in international photography competition (8 Oct 2019)
- 3D technologies in medical education at the First Faculty of Medicine of Charles University (16 Oct 2019)
- Department of Orthopaedics at Hospital Na Bulovce with a new Head (20 Oct 2019)
- Revolutionary years at the First Faculty of Medicine of Charles University (12 Nov 2019)
- CNE celebrating the first year of activity with the Czech Head award (22 Nov 2019)
- Medical faculties to co-operate more (not only) in science (27 Nov 2019)



CO-OPERATION WITH THE MEDIA

Besides press conferences, the Department mediated dozens of interviews and statements with our experts for TV, radio, internet and printed media.

MEDIALOGY PROJECT

The Department organized another two events of the communication project called MEDialogy (with the subtitle "Dialogues about medicine – not only with the media") as a cycle of discussions with prominent specialists from the Faculty and elsewhere, intended for the academic community, public and the media. The topics discussed were Midwifery in the era of liberal democracy in Czechia and Rare diseases in Czechia. Both events met a positive response from the visitors and attracted the interest of the media.

Midwifery in the era of liberal democracy in Czechia (27 Mar 2019) – What do you actually call normal childbirth? Or how narrow is the borderline between normal and pathologic childbirth? And how fast can it go wrong? Are there enough obstetricians and midwives? What's the influence of civilization diseases in mothers on the course of the labour? Why in 21st century mothers give birth at home at all? What is science good for in obstetrics? What kind of scientific research is in course in the maternity wards at St. Apolinarius? How demanding is the training of midwives? All these as well as other questions were answered and discussed by Prof. MUDr. Antonín Pařízek, CSc., of the Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague; MUDr. Milena Dokoupilová, consultant at the Neonate Department of the hospital in Hořovice; MUDr. Jana Šeblová, Ph.D., FESEM, of the

Health Rescue Service of Central Bohemia Region; and the midwife Nika Daňková, of the Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague.

Rare diseases in Czechia (19 Nov 2019) – How are rare diseases defined? What rare diseases occur most often? Is the therapy available to all patients in the Czech Republic? And what are the patients treated by? What medical specialties are most closely concerned with the issue of rare diseases? How is the correct diagnosis established and how long have the patients wait for it? How does a patient with a rare disease move in the system of health and social care in the Czech Republic? Where are the biggest barriers? What is the role of patient organizations? How are things for Czech science and research? All these as well as other questions were answered and discussed by Assoc. Prof. MUDr. Tomáš Honzík, Ph.D., Head of the Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague; Prof. Mgr. PaedDr. Jan Michalík, Ph.D., of the Department of Special Pedagogy Propaedeutics of Palacký University in Olomouc; MUDr. Kateřina Kopečková, Ph.D., of the Department of Oncology of the Second Faculty of Medicine, Charles University and University Hospital Motol; and Mgr. et Bc. Simona Sedláčková, the founder of the association METODĚJ.

MONITORING OF THE MEDIA

In 2019, the Communication Department changed the provider of the system of monitoring the media outputs about the First Faculty of Medicine and chose the agency Toxin. Apart from lower costs, the agency offered a new scope of monitoring of social webs and management of information resources (MAXIMUS), analyses of monitoring of the media and, as a new feature, transcripts of audio-visual records. Every day, the Communication Department displays the daily news on the Faculty website, i.e. news of the First Faculty of Medicine given by all media on the day before. For the employees, it also offers the option of including their e-mail address in circulation of the weekly survey, which is sent out through the newsletter. The agency Toxin, which now processes the daily monitoring of the media for the Faculty, recorded more than 3,100 media outputs in 2019.

THE JOURNAL JEDNIČKA

In 2019, as many as five numbers of the Faculty Journal *Jednička* [Number One] occurred, each of them both in the printed and electronic version. Apart from being a communication channel between students and teachers, the journal also provides the feedback for the Faculty management, and works as a PR instrument for secondary school leavers considering the studies at the First Faculty of Medicine. In the journal, the Faculty presents professional, scientific and research activities of its teachers as well as students, informs the readers about the history of its departments and institutes, and invites for the events organized by the Faculty. Regularly published articles about foreign study placements of our students and international co-operation of the academic staff as well as information about the visiting professors or humanitarian missions of our doctors serve as promotion of internationalization. The journal also provides a forum for communication with our graduates and members of the Alumni club. The circulation of the journal is 2,000 copies and it is distributed among all units of the First Faculty of Medicine, General University Hospital, Military University Hospital Prague, Thomayer Hospital, Hospital Na Bulovce, University Hospital Motol, the Faust House, the Rector's Office of Charles University and selected grammar schools as well.



FUNDRAISING

Thanks to systematic addressing potential contacts of the First Faculty of Medicine, the Communication Department in its fundraising activities managed to raise CZK 100,000 from the Veolia company for an interactive workshop for secondary schools in 2019. For the Student Scientific Conference, another CZK 100,000 were raised from the Sanofi company. More than

CZK 900,000 were raised by the Communication Department in co-operation with other units of the Dean Office from sponsors and contacts for the 131st Medics' Prom Ball. The new golden partner was the Agel company, and the traditional contacts included, for instance, the spa company Léčebné lázně Mariánské Lázně and B. Braun Česká republika.

FESTIVALS

Through participation in several festivals, the Faculty promoted particular fields of study, popularized science, medicine as well as preventive medical and educational programmes.

Prague Museum Night (8th June 2019)

In the evening and night of 8th June, Anatomical and Stomatological museums opened to general public as well as the Academic Club in the Faust House. Apart from the display of exhibits of comparative anatomy and dentistry, there was a rich additional programme, including some laboratory experiments, taking blood samples from a manikin arm, children's archaeological site, demonstrations of first aid and the course of self-examination of the breasts and testicles. Before the opening of the museums, a lecture afternoon took place in the great lecture hall of the Institute of Anatomy, where prominent anatomists highlighted the asset of Andreas Vesalius for the science of anatomy, issues of tumours in relation to Darwinism, or the way how to better understand formation, development defects and death of an organism.

Rock for People (4th – 6th July 2019)

Students and young graduates of the First Faculty of Medicine again provided a fair part of the supplementary programme of the music festival Rock for People. Between 4th and 6th July, the festival visitors at the airfield of Hradec Králové got the chance to experience basics of first aid and popular self-examination of breasts and testicles, and learn more about the hazards of dependence on licit as well as illicit drugs and sexually transmitted diseases. In brief, rock'n'roll supervised by our medics.

Festival of Science (4th Sep 2019)

This whole-day event aimed at promotion of science welcomed about 18,000 visitors, most of them of the pre-school and school age. The Faculty stand was focused on the study of the human body. Students of the First Faculty of Medicine showed the pupils of primary and secondary schools what organs can be found in our body and what specifically they serve for. Further, anyone interested could try the life-saving procedures under supervision of professionals from the Centre of Medical Simulations.

Week of celebrations of 17th November (11th – 17th Nov 2019)

This time, the "revolutionary days" of November saw a jubilee and the Faculty organized some projects to commemorate important events of the past: 30 years passed from the velvet Revolution of 1989, 50 years from the suppressed demonstration against occupation by Soviet troops in 1969, and 80 years from the death of our students Jan Opletal, shot in anti-Nazi student demonstrations in 1939. In the Purkinje Building at Albertov, an exhibition of photographs of the revolution by Dr. Přemysl Hněvkovský took place between 11th November and 13th December. In the lecture hall of the 1st Department of Surgery, a lecture afternoon about Jan Opletal's life and death was held, and on 14th November a special concert of the series "The faculty in the heart of Karlov" was given in St. Ignatius church at Charles Square. On the Sunday of 17th November, the events culminated in a student commemorative meeting, which was attended by students of our Faculty as well.

APPLICANTS AND POTENTIAL PROSPECTIVE STUDENTS

PUBLICITY MATERIALS

The Communication Department updated the brochures *Průvodce prváka* [First-year student's guide], *Průvodce Erasmáka* [Erasmus student's guide] and *Průvodce absolventa* [Graduate's guide] as well as a set of leaflets dealing with particular fields of study, both medical and non-medical.

EVENTS

Open Day (5 Jan 2019)

On the first Saturday in January, prospective applicants for the studies of general medicine, dentistry and non-medical health programmes got the chance to explore the Faculty from the inside at the Open Day, visiting several selected departments and institutes. More than 1,200 visitors learned about the terms and conditions of admission but also about the student life.

Number One for a trial (7 June 2019)

In early June as usual, the seventh annual Number One for a trial, an event meant for successful applicants for studies in General and Dental Medicine who had been admitted to study at the Faculty without entrance examination thanks to their excellent grades at secondary schools, attracted an unprecedented audience of 179 school leavers. They could visit the Institute of Anatomy, Institute of Physiology, Institute of Histology and Embryology, Institute of Medical Biochemistry and Laboratory Diagnostics or other selected units.

Gaudeamus fairs

The Communication Department together with students again promoted the First Faculty of Medicine of Charles University took part in trade fairs of tertiary and life-long education Gaudeamus in Prague (22nd to 24th January 2019) and in Brno (22nd to 25th October 2019).

Interactive workshops for secondary schools

In 2019, the project of interactive workshops for secondary school students came into its second year. At some selected units of the First Faculty of Medicine of Charles University (Institute of Anatomy, Institute of Histology and Embryology, Institute of Physiology, Institute of Immunology and Microbiology, Institute of Medical Biochemistry and Laboratory Diagnostics), 45 workshops were organized, focused on anatomy, histology, physiology, microbiology, chemistry and first aid. Compared to the previous year, the audience doubled.

Presentations by students of the Faculty at their home secondary schools

In 2019 again, several dozens of our students travelled to all parts of the Czech Republic to introduce the First Faculty of Medicine to secondary school students at their home grammar schools or other types of secondary schools.

Number One for a trial for prospective medics (26 Jan 2019)

In 2019, the Faculty launched another *Number One for a trial* project for students in our preparatory courses. During this event, they could learn more about medical studies at the First Faculty of Medicine, experience it on their own and explore some interesting places at the Faculty. More than 60 visitors in small groups tried the work in biochemical laboratories, training in anatomy of the human body. All of them were also free to ask their guides, our Faculty students, questions about "backstage information" and student life.

INTERNAL COMMUNICATION

ALUMNI OF THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY

In 2019, the Alumni Club of the First Faculty of Medicine welcomed its 1,000th member. About 50 members now come from abroad.

On 13th April 2019, the Golden Graduation ceremony for those alumni who graduated 50 years ago, i.e. in 1969, took place, again in the Magna Aula at Karolinum.

On 21st September 2019, another reunion of alumni of the First Faculty of Medicine was held, this time in the garden of the Department of Psychiatry. This event also included the reception of the 1,000th member of the Alumni Club, and a visit to the premises of the underground hospital in St. Catherine Garden as well as the neighbouring Department of Psychiatry.

In 2019, like in the years before, the Communication Department sent out the regular newsletter to the club members to inform them about interesting and important events at the Faculty.

BONUSES

The Communication Department still is in charge of two programmes with bonuses for students, staff and alumni of the Faculty.

MEDIKARTA – It grants bonuses for the students, staff and teachers in some businesses in the area and beyond. The still most popular bonuses include discounts on coffee and refreshments (CrossCafe, By the By, Bao Bao), then discounts on health professional garments Lavenda, discounts on professional literature in the Academic Bookshop, or discounts on cultural experiences (Jazz Club Reduta, Švanda Theatre, or Karel Zeman Museum).

ALUMNI KARTA – This card is a similar project for alumni of the First Faculty of Medicine. After the registration, they receive the card, which provides discounts e.g. in Britannika language courses, spa stays at Léčebné lázně in Mariánské Lázně or in the wellness hotel Borovica and a lot more.

PRINTED MATERIALS

In 2019, the Communication Department commissioned printed materials for the staff and students, e.g. the Annual Report about activities and economy of the Faculty in both Czech and English, the bimonthly journal *Jednička* [Number One] and the proceedings of the Student Scientific Conference. Also updated were the information leaflets on particular study programmes (medical as well as non-medical) and the brochures *Průvodce prváká* [First-year student's guide], *Průvodce Erasmáka* [Erasmus student's guide] and *Průvodce absolventa* [Graduate's guide] as well as a brochure about the Faculty, in both Czech and English.

THE FACULTY STAFF PHOTO DISPLAY

On the occasion of the 670th anniversary of Charles University, the staff photo display of the First Faculty of Medicine of Charles University was updated again after ten years, showing 300 current professors and associate professors. The big wall version was issued, sized 1.5 by 2.5 metres, as well as 1,000 copies of the double-sided pocket version. The author of the photographs is Markéta Sýkorová.

PROMOTIONAL MERCHANDISE

In 2019, following an agreement with the Faculty management, the Communication Department changed the supplier of Faculty sweatshirts and hoodies. A new feature is the T-shirts with the logo. Also some small practical items were added, such as disinfectant gels for hands, ear plugs and chewing gums, all with the logo of the First Faculty of Medicine. Further, the Communication Department re-introduced some items, e.g. satin scarves with the figure of one, and created new decorative copybooks.

PRESENTATIONS OF NEW BOOKS

In 2019, the Communication Department took part in organization of presentations of publications by specialists from the Faculty, which were held in Faust House or at the New Town Hall. The books presented at such events included the following:

D. Netuka: *Adenomy hypofýzy* [Adenomas of the pituitary]. (5 Nov 2019)

P. Vavřík, I. Landor, J. Gallo, K. Koudela et al.: *Revizní operace totálních náhrad kolenního kloubu* [Re-operations of total knee joint replacements] (20 Nov 2019)

Team of authors: *Erlebašské rozjímání – Quo vadis, Europa?* [Contemplations in Erlebach: quo vadis, Europa?] (18 Dec 2019)

M. Retková: *Křeslo pro Fausta 2019* [Chair for Faust 2019] (18 Dec 2019)

EVENTS

Charity diaries and calendars

In 2019 again, charity diaries and calendars were designed by student associations at the First Faculty of Medicine of Charles University in co-operation with the Communication Department. The calendar for the following year contains photographs of exhibits from the Museum of Comparative Anatomy, whose author is Mr. Viktor Sýkora, the Head of the Centre of Experimental Biomodels. From the sales and other accompanying charity activities, student associations collected more than 100,000 Czech crowns. From the yield of the sale, the students decided to support the organization Letní dům [Summer House], whose objective is support children and young people growing in alternative care or without functional family background, helping them live in a happy childhood and mature for an independent life.

131st Medics' Prom Ball (11 Jan 2019) - In the Žofín Palace, the Communication Department organized the medics' ball of 2019. Students and academic staff members filled up all the halls of the palace.

Jednička na startu [Number One Starting] (11 Oct 2019) - At the premises of the Department of Obstetrics and Gynaecology of the First Faculty of Medicine and the General University Hospital, the Communication Department organized this traditional event for both newcomers and older students, also including presentations of activities of student associations and special presentation to launch the charity diaries and calendars. Number One Starting provides a link between new students and seasoned medics, officers of student associations, academic staff members, other employees and guests of the Faculty.

Concert from the series Faculty in the Heart of Karlov - In 2019, two concerts were given within the series *Faculty in the Heart of Karlov*. The 29th concert took place in the church of Assumption of the Holy Virgin and St. Charles the Great at Karlov on 6th May 2019, presenting music by Bohuslav Martinů performed by the Piccolo Coro & Piccola Orchestra, Collegium Paedagogicum, and Women's Chamber Choir of the Faculty of Education. The 30th concert was given in the church of St. Ignatius of Loyola on 14th November 2019, with pieces like *Prague Te Deum 1989* by Petr Eben, *Summer of Mercy* by Antonín Tučapský, *Meditation about Saint Wenceslas Chorale* by Josef Suk, *Homage to Creators* by Zdeněk Lukáš and *Lord, Have Mercy on Us* by Antonín Dvořák, performed by the Piccolo Coro & Piccola Orchestra and Collegium Paedagogicum.

Vědecká kavárna - On 11th November 2019, within the Week of Science and Technology, Prof. MUDr. Karel Smetana, DrSc., and Prof. MUDr. Aleksi Šedo, DrSc., gave lectures on the topic "Ageing of population and tumours – a future menace?" in the Academic Club of the First Faculty of Medicine of Charles University.

Convention of Medical Schools of the Czech Republic and the Slovak Republic

In co-operation with other employees of the Faculty, the Communication Department organized the Convention of Medical Schools of the Czech Republic and the Slovak Republic in Mariánské Lázně on 25th and 26th October 2019. The two-day event was attended by about 150 representatives from 13 Czech and Slovak medical faculties, the plenary session and social evening were followed by discussions in sections and the common conclusions were presented for the media.

ACADEMIC CLUB

At the premises of the club in Faust House, students organized several lectures and other educative events of their Union, and they used them for studying and relaxation too.

Apart from traditional events, such as exhibitions, concerts of The First Faculty of Medicine Dixieland band, the Chair for Faust, or the Jonáš theatre club, some new events occurred on the programme, mainly organized by students, e.g. the meeting ERGOcafé, discussion of students of addictology with specialists, meetings of representatives of student associations with the Dean of the Faculty and representatives of the Institute of Physical Education, First Faculty of Medicine, Charles University, etc.

Chair for Faust – in the traditional series of live interviews with prominent personalities from both medical profession and beyond, taking place on the last Thursday of each month, the interviewed guests were: Miroslav Zavoral, Vladimír Hanzel, Miroslav Verner, Pavel Klener Jr., Lubomír Brabec, Václav Smrčka, Jan Pirk, Karel Černý, Jaroslav Petr.

OTHER

Our co-operation with students and student organizations at the Faculty and University continued. These are the Union of Czech Medical Students; Association of Dental Students of the Czech Republic; MEDSOC (association of international students of the First Faculty of Medicine); International Federation of Medical Students Associations (IFMSA CZ), Czech Association of Students of Addictology ČASA), SPOT Prague, Association of Occupational Therapy Students, SANT, Allsono, and Loono. The Department continued regular meetings of the Faculty management with representatives of all the student associations at the Faculty bistro Fair Food Club. The Facebook group for these associations, called Spolky 1. LF UK, proved really helpful in 2019, allowing for fast and efficient communication. Members of the student associations again participated in organizing many events, such as the Children's Fun Fair, festivals, Number One for a trial, and Number One Starting.

WEB PAGES AND SOCIAL NETWORKS

In 2018, as many as 847,788 users viewed the Faculty website (www.1f1.cuni.cz) – 77.45% from the Czech Republic, 5.28% from Slovakia and 3.41 per cent from English-speaking countries. Most often the website is visited by users in mid-June and early October, when up to 3,701 users visited the web in one day (19th June). In the first half of 2019, a new design of the English version of the Faculty website was launched.

A great impact could also be seen on our social networks, specifically the Facebook and Instagram profiles. On the Facebook profile, the number of fans reached 6,098. The target group of users are mainly women in the age group between 18 and 24 years (41.2%). The coverage of our documents at the said web reached the number of 1,297,443, including both organic and paid coverage of our campaigns. One of the largest paid campaigns is the trailers for the Open Day every year. The users most often get to our Facebook profile via www.google.cz and from our own web pages.

The Instagram profile brought a large number of new followers last year, by 1,700 more than in 2018. The profile itself was unclicked by 255,584 users, and their impression on this web reached 630,909. This is nearly twice more than in 2018. The target group, like in the years before, was mostly made up of the population of Prague – above all women in the age group between 18 and 24 years.

Data bases of photos of the Faculty were fleshed out regularly on the Flickr and Faculty YouTube channel.

PROFESSIONAL AND SCIENTIFIC JOURNALS

Also in 2019, the Faculty was the editor of three journals: *Folia Biologica*, *Prague Medical Report*, and irregularly *Acta Universitatis Carolinae Medica*.

The “impacted” **Folia Biologica** (IF 1,073) is an international journal focused on cell and molecular biology. The authors pay a 500-Euro fee for publication of an accepted article in order to cover a part of the expenses of the publication. The editors received 124 manuscripts, of which 30 articles were published. The journal has to struggle the lack of quality manuscripts.

The annual award of the journal was won by the publication Fišar et al.: *Effect of Simvastatin, Coenzyme Q10, Rasveratrol, Acetylcysteine and Acetylcarnitine on Mitochondrial Respiration*.

The “non-impacted” **Prague Medical Report** is oriented more clinically. The editors received 49 manuscripts, of which 16 were published. The annual award of the journal for young authors was cancelled due to the lack of articles meeting the requirements.

Acta Universitatis Carolinae Medica did not appear in 2019.



ZH BOHEMIA spol. s r. o., Pražská 469/22a, 460 01 Liberec II Nové Město

Audit company, Certificate number 091

Company is registered by the Trade Register of Regional Court in Ústí nad Labem, section C, Number 4372 from 9.2.1993

INDEPENDENT AUDITOR'S REPORT

of

CHARLES UNIVERSITY – FIRST FACULTY OF MEDICINE,

registered address: Ovocný trh 3/5, Prague 1, postcode 116 36

Opinion

We have audited the accompanying financial statements of CHARLES UNIVERSITY – FIRST FACULTY OF MEDICINE (hereinafter also the “FIRST FACULTY OF MEDICINE”) prepared in accordance with accounting principles generally accepted in the Czech Republic, which comprise the UK Intercompany balance sheet as of 31 December 2019, and the UK Intercompany income statement for the year then ended.

In our opinion, the financial statements give a true and fair view of the financial position of CHARLES UNIVERSITY – FIRST FACULTY OF MEDICINE as at 31 December 2019 in accordance with accounting principles generally accepted in the Czech Republic.

Basis for Opinion

We conducted our audit in accordance with the Act on Auditors and Auditing Standards of the Chamber of Auditors of the Czech Republic, which are International Standards on Auditing (ISAs), as amended by the related application clauses. Our responsibilities under this law and regulation are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the FIRST FACULTY OF MEDICINE in accordance with the Act on Auditors and the Code of Ethics adopted by the Chamber of Auditors of the Czech Republic and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Other Information in the Annual Report

In compliance with Section 2(b) of the Act on Auditors, the other information comprises the information included in the Annual Report other than the financial statements and auditor's report thereon. The Statutory Body of the FIRST FACULTY OF MEDICINE is responsible for the other information.

Our opinion on the financial statements does not cover the other information. In connection with our audit of the financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit or otherwise appears to be materially misstated. In addition, we assess whether the other information has been prepared, in all material respects, in accordance with applicable law or regulation, in particular, whether the other information complies with law or regulation in terms of formal requirements and procedure for preparing the other information in the context of materiality, i.e. whether any

ZH BOHEMIA spol. s r. o., Pražská 469/22a, 460 01 Liberec II Nové Město*Audit company, Certificate number 091**Company is registered by the Trade Register of Regional Court in Ústí nad Labem, section C, Number 4372 from 9.2.1993*

non-compliance with these requirements could influence judgments made on the basis of the other information.

Based on the procedures performed, to the extent we are able to assess it, we report that:

- The other information describing the facts that are also presented in the financial statements is, in all material respects, consistent with the financial statements; and
- The other information is prepared in compliance with applicable law or regulation.

In addition, our responsibility is to report, based on the knowledge and understanding of the FIRST FACULTY OF MEDICINE obtained in the audit, on whether the other information contains any material misstatement of fact. Based on the procedures we have performed on the other information obtained, we have not identified any material misstatement of fact.

Responsibilities of the FIRST FACULTY OF MEDICINE's Statutory Body for the Financial Statements

The Statutory Body is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the Czech Republic and for such internal control as the Executive Director determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the Executive Director is responsible for assessing the FIRST FACULTY OF MEDICINE's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the Executive Director either intends to liquidate the FIRST FACULTY OF MEDICINE or to cease operations, or has no realistic alternative but to do so.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with the above mentioned laws and regulations will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with the above law or regulation, we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion.

ZH BOHEMIA spol. s r. o., Pražská 469/22a, 460 01 Liberec II Nové Město*Audit company, Certificate number 091**Company is registered by the Trade Register of Regional Court in Ústí nad Labem, section C, Number 4372 from 9.2.1993*

The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the FIRST FACULTY OF MEDICINE's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates.
- Conclude on the appropriateness of the Statutory Body use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the FIRST FACULTY OF MEDICINE's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to this uncertainty and to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the FIRST FACULTY OF MEDICINE to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with the Statutory Body regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Prague, 20. 05. 2020



ZH BOHEMIA, spol. s r. o.
Pražská 469/22a
Liberec II Nové Město
Licence number of the audit firm 091

Jan Jindřich
Responsible auditor for the audit
Jan Jindřich
Statutory auditor
Licence number of the auditor 1133

115	Students' activities
115	Union of Czech Medical Students
119	Activity of the local branch of IFMSA CZ at the First Faculty of Medicine
122	MEDSOC
123	SPOT Prague – Student Platform Occupational Therapy Prague
125	Student Association of Nutritional Therapists
125	Czech Association of Students of Addictology (ČASA)
126	Association of Students of Stomatology
128	Awards granted in 2019
130	List of organizational units of the Faculty by 31st December 2019



UNION OF CZECH MEDICAL STUDENTS

The Union of Czech Medical Students is the follower of the former Union, founded in 1863 as a proud trade organization of students of the Medical Faculty in Prague and later of some other medical faculties as well. In 1999, the Union of Czech Medical Students was registered by the Ministry of Interior as a non-profit organization with a valid Statute and internal structure representing the interests of students of medical schools, actually those of the First Faculty of Medicine of Charles University above all.

In 2019, we carried on some Union project that have actually become traditional. And at the same time we prepared several new features for our members. There was a change in the management too: new members were elected to the executive. And not only thanks to the new members of the executive but also thanks to the real flow of new active members our organization got a momentum and was enriched with new ideas. The whole year throughout was marked with a friendly atmosphere and we hope the following year will hold on.

We are glad that the Union is a place of relaxation for students of the Faculty and that they enjoy the out-of-school activities that we prepare for them. We appreciate being in favour of students, which in turn reflects in the work of active Union members. And as our Union could not work without the support from the Dean Office, we would like to express our thanks for their support and also say thank you to everyone that helps and takes part in the smooth operation of the organization.

In the following lines, we present the gist of the activities of the Union of Czech Medical Students in 2019:

THE UNION'S PREMISES IN FAUST HOUSE

The past year only saw minor changes in the Union's rooms. The library was re-arranged and the textbooks were arranged according to the years of studies and subjects so that it will be easier for students to find what they are searching for. Our library was also enriched with new items thanks to donations from the sponsoring publishing houses.

SMČ – ERASMUS STUDENTS' OFFICE (ESO)

For the incoming Erasmus students we have been organizing the "Buddy Programme" for many years. The international students can contact students studying in Czech language, who are helpful for them mainly at the beginning of the stay in the Czech Republic, both in orientation to the Faculty and in dealing with some official matters and other things necessary for life in Prague. This year, more than 50 students from all over Europe arrived in Prague.

The ice-breaking party for the newcomer students took place twice, once in each semester, and now always in the rooms of the Academic Club. We really appreciate the support we receive from the Faculty, particularly for sharing the premises and providing other material support, e.g. souvenirs for these students.

Members of the ESO prepare other projects for incoming students as well. Among those most interesting were the Trip to Kutná Hora, Trip to Český Krumlov, Prague Sightseeing Tour, Trip to Karlštejn. The novelty of the year was the visit to the Senate of the Czech Republic in the Wallenstein Palace and to the National Museum.

In the past year again, as usual, we assisted the technical support for evaluation of results of the competition for the Erasmus+ programme exchange as well as in allotting the particular placements, which took place in the lecture hall of the Institute of Histology.



CO-OPERATION BEYOND THE FACULTY

Právnická fakulta UK – In 2019 we co-operated with the law students' association Všehrd at the Medical Law Conference, which dealt with topics such as vaccination, genetics or psychiatry.

Meeting of medical students' associations – The meeting of medical students' associations was this time organized by our Union. The event included the excursion to the precinct of the General University Hospital and the premises of the Union of Czech Medical Students, and the particular associations made presentations on their activities. The atmosphere of the meeting was really friendly and I believe it provided inspiration for future activities to each of the associations.

Second Faculty of Medicine and Third Faculty of Medicine of Charles University – We deepened the long-standing co-operation with the Union associations at the other two medical schools in Prague, mainly in management of administrative issues, mutual attendance of each other's prom balls and organization of joint events as well.

Associations at the First Faculty of Medicine – Last year all the student associations at the Faculty joined for a good cause – a charity calendar was created and sold, and the entire yield was donated to support the organization *Letní dům* [Summer House]. Further, together with the associations SPOT PRAGUE, MEDSOC and IFMSA 1LF we organized the charity project *Smlsni si* [Eat and enjoy]. Students and Faculty staff members baked a lot of goodies, sweet as well as salty, and these were sold in the Academic Club throughout the day. The whole yield, 101,170 Czech crowns, went to the Summer House to support operation of this organization that takes care of children and adolescents in children's homes. This project, and a lot of other as well, boosted our mutual communication and collaboration on many other projects.

Co-operation with the Union of Dental Students of the Czech Republic and IFMSA – We still provide students of dentistry with rooms for students' training in dental hygiene. Equally stable is our collaboration with the student organization IFMSA.

MEDSOC – We managed to improve the co-operation with representatives of the English parallel class, above all through passing on our experience of administration needed to run the organization. At the same time, we assist each other in promotion of our projects and try to plan common events together. This time, we joint our efforts in the sphere of sports – together we organized a badminton tournament.

Organizations beyond the Faculty – At our web pages, at all times we are trying to advertise events that may be helpful for students in their further studies and – in long-time prospect – in their future profession. All the time we are contacted by a great number of organizations seeking assistance in promotion or co-operation on many projects.

Co-operation with the Faculty – Within our co-operation with the Faculty, we can rely on excellent relations with the staff of the Academic Club and the Communication Department, who did and do an excellent job in organizing the Faculty events. We also highly appreciate the Dean's keen interest in activities of our Union, including his lively appearance there, and his active visits at the meetings with active members of our Union. This is another chance for us to promote the activity of the Union.

Ameca – Last year we contacted this non-profit organization and assisted them in organization of their Fair. At that event we also presented our Union and introduced our events and activities to the students.

Young Physicians' Section – We keep up excellent relations with the Section. We joined our efforts to present lectures *Pictures from a GP's life* and *Graduation is not the end*.

PROJECTS OF THE UNION OF CZECH MEDICAL STUDENTS

Open Day – In 2019, as every year, we took part in the Open Day at the units of the Faculty that were open to visitors, assisted in organization of the event, in joint presentation together with other student associations demonstrated our activities and in the subsequent discussion also answered the visitors' questions about the studies at the Faculty. We really appreciate the

chance to participate and represent the Union as well as the Faculty, and we are happy to see the interest of the prospective students who may like to become Union members later.

Medics' Prom Ball – As every year, the Union of Czech Medical Students assists in organization of the Medic Prom Ball of the First Faculty of Medicine. We again organized a simple online system of reservation of the tickets, which enables easy booking of the tickets via the internet from the students' homes. Active Union members also took part in handing in complimentary tickets to the Heads of units of the Faculty.

6plus1 Medic Party – An event where prospective alumni of the Faculty meet the freshmen, took place in the PM Club in Trojická Street. The point of the event is joining students across the Faculty, saying farewell to our graduates and welcome to the new students. A lot of competitions are prepared for this event, e.g. who will be the fastest to saw the coconut skull into halves etc. In addition to good prices, the winner takes the chance of learning the other competitors better as well.

Picnic on 10th May 2019 – This time the weather was nice to the traditional picnic and we were happy to see the plenty of students who came to enjoy some delicious foods prepared or donated by the Faculty staff, such as Director's goulash or Dean's leg of pork. The event was connected with the organization Summer House, which received the whole yield of it. Their members attended the picnic with their charity bazar of clothes. The event was a success and we were happy to collect nearly 10,000 Czech crowns for the charity.

Number One Starting – The Union of Czech Medical Students is also a co-organizer of the picnic to open the academic year. This time again the event took place at the premises of the Department of Obstetrics and Gynaecology at St. Apolinarius. Students enjoyed a rich programme with live music, refreshments, presentations of student associations and sports activities. The event also included the presentation of a new charity calendar, initiated by student associations of the Faculty. Of course, the traditional barbecue directed by the Union could not be missing.

Albertov 2019 – In 2019, we took an active part in celebration of 17th November in the big commemorative meeting at Albertov in Prague. In the solemn ceremony, we laid flowers at the memorial of the 1989 events, and for the passers-by that visited our educative stand we prepared a human manikin torso to explain what can be found inside the human body. Also, we carried on selling the charity calendar and handed out a variety of brochures about activities of the Union and the Faculty.

2019 St. Nicholas Eve – Just as the last year, we again – and it was the 19th time – gave small presents to children who had to spend St. Nicholas Day in hospital. This time an unprecedented number of volunteers joined in, and the highest number of wards were visited. On 5th November 2019, the traditional visit of the Devil, Angel and St. Nicholas came not only to our "home" General University Hospital, but this time the event included the more distant hospitals too – Thomayer Hospital in Krč, the Hospital Na Bulovce, the University Hospital Královské Vinohrady and the Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague at Londýnská Street. The quantity of St. Nicholas presents was far beyond our expectations, thanks to both students and staff of the First Faculty of Medicine, who generously sponsored the event – the students, staff of the Faculty and this time also the generous donations from the Lidl and Kaufland supermarket chains. We would like to carry on visiting the children's and geriatric wards in the coming years again, with the help from all the donors. The presents that could not be distributed during the event were – just as any surplus in the years before – sent to children's homes around Prague.

Medics' Union Bowling – The bowling tournament of the Union of Czech Medical Students took place even twice in 2019. This event is very popular with students and the playing capacity is always taken soon by the teams.

Medics' Union Pub Quiz – At the Academic Club, this pub-quiz style general knowledge contest took place twice in the year. Students made up their teams and tested their knowledge, competing with their fellow students across categories. Their award was super prizes and the friendly atmosphere of the club with refreshments.

Badminton tournament – In co-operation with the Institute of Sports Medicine, another badminton tournament was organized again. This could be done thanks to the space we were given in the Sports Hall in Hostivař. This time, students of English parallel classes took part in the tournament too. We consider repeating this event again in future.

NEW ACTIVITIES IN 2019:

Work in France – An interactive lecture for those interested in work positions in France, given in the Academic Club of the First Faculty of Medicine of Charles University in October.

Smlnsi si [Eat and enjoy] – A charity baking organized by the Union of Czech Medical Students in co-operation with some other associations, such as SPOT PRAGUE, MEDSOC and IFMSA. During the event, home-made salty and sweet goodies were sold, baked by student volunteers as well as Faculty employees. The whole yield – nearly CZK 12,000 – went to the charity Summer House.

VISION OF 2020:

- to carry on the well-established co-operation with students and the Faculty;
- to organize traditional events and to try to create new ones;

- to engage students actively in the everyday operation of the Union;
- to deepen the co-operation with other organizations at the First Faculty of Medicine and to organize more events together;
- to develop inter-faculty co-operation, above all with organizations at other medical faculties but also with all others.

*For the Union of Czech Medical Students,
Andrea Kreissová*



ACTIVITY OF THE LOCAL BRANCH OF IFMSA CZ AT THE FIRST FACULTY OF MEDICINE

The International Federation of Medical Students' Associations is the world's oldest and largest independent organization of medical students. In the Czech Republic, it has a branch at each of the eight medical faculties. At the time, it is active in 127 countries and has 1.3 million active members.

The mission of IFMSA is to deepen international co-operation among medical students with the objective of improving their knowledge and skills through clinical and research exchange stays and organization of projects for students as well as general public.

STUDENTS' PLACEMENTS ABROAD AND INCOMING STUDENTS – SCOPE/SCORE

– local co-ordinators Matěj Višňa, Petr Lapka and Kristina Svobodová

Since May 2019, IFMSA at the First Faculty of Medicine of Charles University has

- admitted 64 clinical students, who were placed at the Faculty units of their choice for month each;
- accommodated the incoming students at Charles University halls of residence at the cost IFMSA Czech Republic, providing a subsidy for meals to each of them;
- matched them to one student of the Faculty each (as the Contact Person) to help them with administrative tasks and show them to their accommodation and workplace;
- provided some extra programme each month:
 - Welcome Dinner
 - Upon Arrival Training
 - National Food and Drinks Party
 - Goodbye party
 - Workshops – e.g. surgical suture
 - Sightseeing tours in Prague and the surroundings
 - Summer national social programme
 - Two extended weekends with accommodation and programme
 - e.g. rafting in South Moravia for all exchange students and their Contact Persons.

Another 55 students travelled abroad while five let the placement expire in vain.

PROJECTS IN THE ACADEMIC YEAR 2018-2019

SCOPH – Standing Committee for Public Health – local co-ordinator Kamila Otrubová

For life – Since last May, 8 events have been implemented and another 8, or even more, cancelled. For this semester, 3 our events were confirmed but not implemented due to shortness of time. We managed to organize the first event for university-level schools. It was a seminar at the Faculty of Education, and the response was really positive. This time we were the educators, and it was super.

A smile for everyone – Since last May, five visits have been paid to the St. Elisabeth Hospital, apart from other events, which the hospital organizes and our volunteers join regularly. We wanted to organize more events at St. Elisabeth Hospital, where we go regularly, but regrettably this was not possible.

Teddy Bear Hospital – Since May 2019, we have visited 9 kindergartens (over 500 children estimated). The last of them was visited on 10th March 2020, just before the state of emergency was declared. From the kindergartens, we receive letters from really happy principals, teachers and parents. The project has always been a great success so far. Other major events in which our Teddy Bear Hospital took part included Children's Fun Fair in May 2019, Beachclub Ládví in September, and World Diabetes Day in November. English parallel classes students visited some kindergartens too, three in number. Nevertheless, we heard from several other kindergartens that they would be interested in a programme in English language as well. Therefore, we agreed with the TBH leader of the English parallel, Hafsa Mahmood, that the two programmes would be merged into one. We want to achieve the state of mutual co-operation between medical students of the two parallels, we hope to extend our activities in kindergartens, and we'd like to try afternoon events as well, so that students from the higher years of studies can participate too.

Smokefree – Since May 2019, several projects have taken place, either independently or as part of bigger events. We took part in Blesk surgery (June 2019), Health Day at Vodafone, Health Day at Ministry of Health, Health Day with STOB, and World Diabetes Day. Before the beginning of the summer semester we negotiated co-operation with Mrs Blažíčková (concerning information provided about quitting of smoking) but, alas, the emergency state due to the pandemics delayed this co-operation.

WDD – Our Faculty, or our members at the Faculty, again organized the World Diabetes Day on behalf of all the medical schools in Prague. Therefore, on 14th November 2019 anyone could come and have the blood sugar levels measured as well as the blood pressure and carbon monoxide content in the inhaled air. Further, we co-operated with nutritional therapists who measured anyone interested for the percentage of water, fat and muscle in their body, as well as some other parameters. Beyond that, the nutritional therapists arranged the tasting of diabetic foods. Then, we started co-operating with physiotherapists, who instructed the visitors in simple exercises to strengthen the neglected body parts. For the youngest visitors, there was the Teddy Bear Hospital, and anyone keen on learning could be instructed in first aid. More than 60 medics were engaged in the event, plus another 10 from the English parallel who we got engaged in the WDD too.

Health Days – Since May 2019, we have participated in three events in businesses with our project IFMSA Health Days. In June, we started co-operation with Mall.cz with the first common Health Day at their headquarters. Three medical students took part, and the employees could have their blood pressure, blood sugar levels and CO content in exhaled air measured. The total number of employees investigated was about 30. Another event at Mall.cz was their Sports Day for the employees in Šestajovice. We measured blood pressure, blood sugar levels and CO content in exhaled air in 18 employees and 4 students arrived. In November, in turn, we organized a Health Day for employees of

Vodafone, where 80 persons underwent the measurement – this time with tentative measurement of total cholesterol from capillary blood. For the first time we co-operated with students from the English parallel, and the total number of the medics present was 9 then. Regretfully, plans for the summer semester had to be delayed (another planned Health Day with Mall.cz and extension of co-operation to other businesses), but we are making arrangements for an FH Week cardiovascular diseases.

SCORA – Standing Committee for Healthy Reproduction and AIDS prevention – Local co-ordinator Kristýna Nožičková
Anti-AIDS Tram – 2nd December 2019

Advanced Sex Education – prevention of sexually transmitted diseases at secondary schools. In 2019, seventeen educative sessions took place. Recruiting was done several times, and now English-speaking students get engaged too.

Girls' corner – a new project focused on education of female secondary school students, dealing with ladies' hygiene and other "feminine" topics.

SCORP – STANDING COMMITTEE FOR HUMAN RIGHTS AND PEACE – local co-ordinator Anna Jelínková

World Human Rights Day – collecting books for children hospitalized in children wards under the project Whole Czechia Reads. About 30 books were collected and forwarded to the children ward at the Department of Urology at the General University Hospital.

SCOME – STANDING COMMITTEE FOR MEDICAL EDUCATION – local co-ordinator Veronika Rottová

Surgical suture – By the end of the summer semester, ten new instructors were engaged. At the beginning of the winter semester they were trained and then actively started training the students in basic classes of surgical suture. Other, experienced instructors, were prepared for the advanced course on 29th October. There was also a stand of surgical suture courses at the event Jednička na startu [Number One Starting], where our instructors gave a splendid performance for the SCOME section at the Faculty. We joined our forces with MEDSOC, the association of English parallel students, and helped them choose and prepare the instructors. First we organized three courses for the instructors, and then the testing of the skills they obtained. The first common course of the Czech and English parallels took place on 12th December 2019, and then the classes were held regularly (excluding the winter examining period). Altogether, 80 students from the Czech parallel and another 8 from the English parallel were trained.

Extra classes in histology – The project was cancelled last year. It was only in course in the winter semester but faced lack of interest in students and lack of instructors in the summer semester. We had planned a once-only event called "Histology

Workshop", inspired by the colleagues from MEDSOC. They provided their own materials and advised us on the organization and structure of the course.

Medicafé – This project at our Faculty still works, in co-operation with co-ordinators from other Prague medical schools. The last Medicafé took place in virtual environment, as an online conference with MUDr. Václava Adámková, the consultant from the Institute of microbiology. And the topic was really a hot one – Coronavirus in the aspect of microbiology.

Handicap café – Lectures and meetings of medical students with the handicapped and people from their close environment. The project is registered in O2 – SmartUp. In 2019, there were three meetings.

Laparoscopic suture – A new project, officially launched on 24th October, when first three students were instructed. The class takes about one and a half hour, and includes a lecture about laparoscopic instruments and basics of this technique. Then the practical training on models follows. The course was performed regularly, once in three weeks, in two versions – basic and advanced. Enough instructors are available. We planned to engage students from the English parallel too and chose some in competition but, regrettably, there was not enough time to manage the instruction for them. From the beginning, 20 persons were instructed.

Theatre etiquette – This project was slightly declining, above all due to poor availability of the costly supplies and lack of instructors, as students in their last year were busy before their State Examinations. We transferred the project under the auspices of the Simulation Centre of the Institute of Physiology. In the past course, 20 persons were instructed.

The novelty of the year, which was included in the curriculum as an optional subject, was **Basic surgical skills**. Two weekend courses were planned at the Simulation Centre of the Institute of Physiology, with our instructors in charge. The course was conceived in such a way so that the students could both learn theoretical information and train practical skills that are taught in the classes of Surgical suture, Theatre etiquette and Laparoscopic suture.

PROJECTS BEYOND THE SCOPE OF STANDING COMMITTEES

White coat charity shop – Since May 2019, CZK 8,200 has been raised, and the money is sent to the charity Dobrý anděl [Good Angel] in monthly payments.

Open Trainings – Monthly trainings in soft skills.

Since 2017 we have had a room in Faust House at disposal, allotted by the Dean, which we have refurbished and intensively used for storing things and meetings of our members and other students of the Faculty. This facilitates our activities a lot, and would like to thank him again for the favour.

For the IFMSA CZ local branch
at the the First Faculty of Medicine of Charles University
Anna Stefanovičová
Local President

MEDSOC AT THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY

LF1 MEDSOC is the non-profit student association representing the English Parallel at the First Faculty of Medicine, Charles University since 2002. The team of LF1 MEDSOC consists of 6 Board members, which are elected every year by students of the English Parallel (The last voting took place last year in May with around 300 participants, which is just under 50% voter turnout).

The **Board members** are as followed

President: Christian Joachim Entenmann (4th GM, AS senator)

Vice President of Academic Affairs: Alessia Marigliano

Vice President of Activities and Media: Stelios Theodorou

Vice President of Student Support: Talal Warsi (4th GM)

Head of Dentistry: Anna Maria Plum (5th Year Dentistry)

Treasurer: Omar Salaheldin Amin El Nahwy (4th GM)

We have meetings every month and meet with the Vice Dean Professor Sedmera on a regular basis to update him about the needs of our English Parallel.

Structure: Each board member except the President has its own team with its unique structure: *see word document of complete list of active members and see PPP*

What do we do?

LF1 MEDSOC represents our students in every regard. We host academic events throughout the year, we organize parties together with other medical faculties, we organize our Fresher's Week and much more.

Complete list of activities in 2019/2020

- Student survey regarding student satisfaction at LF1
- Organization of English Students together with @dobrolf1
- How to Ace Anatomy Webinar
- Physiology workshops

LF1 Charity

- Jednička bake event
- Bake sale during dissection weeks
- Visit Orphanage
- Biweekly "Feed the homeless" at Hlavní nádraží
- Clothing drive before Christmas and before summer break
- LF1 Charity Badminton tournament (with SMC)

Dentistry - WS

- Introduction for Year 1–4
- Pathology Workshop Winter
- Dentistry Suturing Workshop
- Invisalign Workshop

Events Team

1. Freshers Week:
1. Beer Garden Friday 20th Sept
2. Treasure Hunt Saturday 21st Sept
3. LF1 Ice Breaker Saturday 21st Sept
4. Guide Dinner Sunday 22nd Sept
5. Paintball Monday 23rd Sept
6. Pub Quiz Tuesday 24th Sept
7. Pub Crawl Tuesday 24th Sept
8. Paddle Boating Wednesday 25th Sept
9. Boat Party Wednesday 25th Sept
10. Interfaculty Sunset Thursday 26th Sept
11. Interfaculty Party Friday 27th Sept
12. Night of the Living Meds → Interfaculty Halloween Party 2nd Nov
13. Football Team LF1 vs Hradec Karlove 10 Nov

14. Badminton Tournament 29th Nov
15. Christmas Party 13th Dec
16. Interfaculty on Ice 15th Dec
17. Shisha Night 25th Feb
18. Interfaculty Refreshers NEON Party 29th Feb
19. LF1 Spring Ball 21st March (cancelled)

Academic Events 2019–2020

1. How to Ace your USMLE Step 1
2. Introduction to First Year
3. Introduction to Second Year
4. Introduction to Third Year
5. Introduction to Fourth Year
6. Introduction to Fifth Year
7. LF1 Annual Second Hand Book Sale
8. BLS practice drop-in session
9. Undergraduate Medical Masterclass
10. Study smarter, not harder
11. Advanced Suturing Workshop (x2)
12. Ultimate Guide to USMLE Step 1
13. Winter Anatomy Dissection Workshops
14. Clinical Lecture Series with NHS Consultant Dr Ioannis Dimitropoulos (x6)
15. Fifth National Revision Course 2019 Webinars
16. Winter Physiology Workshops
17. Winter Histology Workshops
18. Biophysics Seminar: Medical Imaging
19. Post-Graduation – Is Sweden Your Option?
20. Clinical Scenarios as a Junior Doctor: how to approach the patient
21. LF1 MEDSOC and IFMSA Weekly Suturing Workshops
22. Communication workshop: how to deliver bad news and how to hand over the patient to seniors
23. Amboss Workshop together with LF2

Planned/ or eventually cancelled due to COVID 19

- Summer Anatomy Dissection Workshops
- IELTS: how to ace it
- Basics and Advanced Laparoscopy Workshops
- Simulations training day
- BLS and ILS weekend with Red Cross
- Summer Physiology workshops
- Embryology workshops

SPOT PRAGUE – STUDENT PLATFORM OCCUPATIONAL THERAPY PRAGUE

SPOT Prague, z. s. – Student Platform Occupational Therapy is a voluntary association of students of occupational therapy at the First Faculty of Medicine of Charles University, which was founded in February 2019. SPOT Prague z. s. is one of the “Mini SPOTs”, which means association of students of occupational therapy at one specific faculty, and comes under SPOT Europe (Student Platform Occupational Therapy Europe). It closely co-operates with SPOT Europe as well as with other Mini SPOTs (associations of students of occupational therapy at particular European schools).

The main objective of our association is improved quality of studies of occupational therapy, promotion of students' needs and interests, and spreading the awareness of the public of the field of occupational therapy. Further, the association aims to the highest possible internationalization of the studies. It strives for the support of interdisciplinary co-operation among students and relations to their professional organizations. Since the very moment of foundation, our members have been participating in organization of educational, cultural and charitable events.

By now, we have a membership of 21 students of all years of studies, Bachelor as well as Master, and one representative of the teachers.

At the time, we are trying to get the association registered by the court.

ACTIVITIES IN 2019

ERGOHOST – meeting a guest

- This means lectures by specialists (not only in the field of occupational therapy) organized by the association in co-operation with the Department of Rehabilitation Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague.
- **The first Ergohost – 16 Apr 2019**
 - Guest: Hanneke van Bruggen with a lecture on the topic “From Medical Rehabilitation to Social Rehabilitation and Transformation”.

Presentation of SPOT Prague z. s. at the Faculty of Health Sciences of J. E. Purkinje University – 18 May 2019

Children's Fun Fair – 29 May 2019

- therapeutic colouring book for children (elucidation of the profession of the occupational therapist and types of disabilities in a form suitable for children, three books have been created)
- display of compensatory aids
- sense stimulation

16th Prague Museum Night at the Faculty – 8 June 2019

- therapeutic colouring book for children (see above)
- display of compensatory aids
- sense stimulation
- one-handed activities – elements of the CIMT method

31st national professional conference of the Czech Association of Occupational Therapy 26–27 Sept 2019

- two presentations by members of the Association:
 - Klára Šimová – presentation on the topic “Origin of SPOT Prague”
 - Alice Gregorovičová – presentation on the topic “Promotion of the profession at secondary schools under the auspices of SPOT Prague”

Introduction of the Association and its activities in the 1st year of Bachelor studies of Occupational therapy at the First Faculty of Medicine of Charles University in tuition (beginning of the winter semester in the academic year 2019-2020)

Jednička na startu [Number One Starting] 11 Oct 2019

- presentation of the profession of occupational therapy and the association
- accompanying programme of sense identification puzzles and program compensatory aids

25th ENOTHE Annual Meeting Athens 16–20 Oct 2019

- poster presentation on the origin of the association
- active participation in the student workshop SPOT EUROPE on the topic “Founding the student association in the Czech Republic”

Informal meeting with the Minister of Health, Adam Vojtěch, 5 Dec 2019

Charity event *Smlsni si* [Eat and enjoy] 11 Dec 2019

- promotion of the event
- participation of Association members and other students of occupational therapy in baking
- participation in sales
- CZK 12,000 collected

Meeting of students of occupational therapy before Christmas – Department of Rehabilitation Medicine, 12 Dec 2019

- presentation of the Association and its activities

Regular articles in the bulletin *Jednička* [Number One]

- SPOT Prague – the new association of students of occupational therapy (March – April 2019)
- ERGOHOST – meeting with Hanneke van Bruggen (May – June 2019)
- Painted education about occupational therapy for children (August – September 2019)
- SPOT Prague in Athens (October – November 2019)

Entries at social webs SPOTeurope

- participation in the project of Mini SPOTs, presentation of one selected Czech tradition
- participation in the Instagram project SPOT Europe called “selfcaresunday”
- an article for ENOTHE Spring newsletter
- creation of a video at Instagram under the project “Occupational therapist's day”

Participation in sales of charity calendars and diaries (raised CZK 4,150)

WHAT WE ARE WORKING AT:**Student section at the 2nd COTEC-ENOTHE Congress (23–26 September 2020, Prague)**

- one-day pre-conference for students
- workshop SPOT Prague

Project “SPOT Prague recommends”

- recommendation of interesting sights in Prague, including assessment of barrier-free access of the place

STUDENT ASSOCIATION OF NUTRITIONAL THERAPY

We are the Student Association of Nutritional Therapy (SANT), founded at Masaryk University in Brno in 2016. In 2018 it expanded to Prague – to the First Faculty of Medicine of Charles University. In future, this association will become part of the national association ČANT (Czech Association of Nutritional Therapy).

OUR OBJECTIVES:

Our goals include joining the volunteers from among students of nutritional therapy and nutrition specialization. The students that join in get the chance of obtaining practical experience as early as during their studies. They can try communication with prospective clients in practice, learn to efficiently discuss and defend their opinion. Further, we assist in interdisciplinary communication and in communication with the academic community.

We help to improve the quality of our profession and want to spread the awareness of the field in general public. We want to demonstrate who an occupational therapist is, as nutrition influence the state of health of everyone but nowadays many professions and organizations arise that spread false information about nutrition without understanding, thereby creating kind of mythology. In co-operation with other serious professions, organizations, schools and others we want to improve the health of all people.

EVENTS OF 2019

- 6 Oct 2019 – Nutrigeeks – conference on nutrition
- 11 Oct 2019 – Jednička na startu [Number One Starting]
- 14 Nov 2019 – Diabetes Day under the auspices of IFMSA at Harfa
- 23 Nov 2019 – Open Day of Charles University
- 5 Dec 2019 – Nutricafé Uganda
- 5 Dec 2019 Collecting chocolate for the Union of Czech Medical Students
- Sales of charity diaries and calendars

CZECH ASSOCIATION OF STUDENTS OF ADDICTOLOGY (ČASA)

The Czech Association of Students of Addictology, z. s., is a university association of students of addictology with volunteer membership, acting in the territory of the Czech Republic.

For the Czech Association of Students of Addictology, 2019 was a year of new activities and events, new co-operations, interesting ideas and changes. We managed to organize two talk shows for general public in co-operation with the Rock Café, one of which was held in collaboration with the Student Association of Nutritional Therapy.

We also got the chance to take part in the event 17th November at Albertov, which was special this time, considering the 30th anniversary of the Velvet Revolution. This fact was reflected both in the rich programme and the number of the audience, who also showed interest in our Association.

Further, in order to promote our profession, an Instagram campaign was launched, created in co-operation with a student of advertising photography at J. E. Purkinje University. The aim was bringing the awareness of the studies of addictology to general public.

In November, we had a new election. Here we would like to say thank you to the previous management for their approach, work and willingness to help. We are still trying to keep up the values, principles and mission of the Czech Association of Students of Addictology in the same way as before.

EVENTS AND ACTIVITIES IN 2019:

- **Open Day** – At the first weekend in January, we as usual came to the Open Day. Apart from a brief presentation of the profession in the common lecture for anyone interested in study of bachelor programmes, then those interested in addictology could explore the department with a light programme, a lot more information and a chance to win the model questions.
- **Gaudeamus** – Information about entrance exams and the studies were available at the annual trade fair Gaudeamus. This time we participated there again in order to answer the secondary school students interesting questions.

- **AdiChat – Disturbances of food intake: what you were afraid to ask** – In early evening of 13th February, the topic of the chat in the Rock Café in Prague was the disturbances of food intake. The special guest of the discussion evening, organized in co-operation with the Student Association of Nutritional Therapists, was the psychologist František David Krch.
- **AdiBarbeque** – In May 2019, we organized our first AdiBarbeque party. Grilling foods here, we together with professors and members of ČASA talked about the studies, work and a lot more topics. This event, marked with an informal atmosphere, took place in the premises at St. Apolinarius.
- **AdiTalk – Reform in psychiatry, LSD and stigmatization** – On 24th April we arranged the 2nd chat in the calendar year. The topic was the much discussed reform in psychiatry. It was our special guest Petr Winkler that made the discussion really absorbing as he presented the experience from his own practice as well as from abroad
- **Museum Night** – Every year we try to take an active part in the Museum Night, and so we did in 2019. Displayed at our stand were simulation eyeglasses, smokerlyzer, alcohol tester, various tests used in addictology, and of course, all visitors' questions were answered. .
- **Jednička na startu [Number One Starting]** – At the Number One Starting, there was the addictology stand of ČASA again. Traditional charity diaries and calendars could be bought there, whose yield went to the organization *Letní dům* [Summer House]. Apart from the above, also simulation eyeglasses and smokerlyzer could be seen at the stand. In the event, we presented our association, and also the first year took part in its promotion.
- **Talk with employers in the sphere of addictology** – In November, we together with the Department of Addictology arranged a talk with employers in the field. This event took place in the Academic Club and attracted a big audience. There were a plenty of students from various years of study and employers from four various organizations, who presented interesting information and experience.
- **Initiation of new first year students** – At the initiation party for new first year students, which is traditionally organized for them by the 2nd year students, our Association was introduced by its vice-president. As this year the new students did not have a chance to learn about the Association in the introductory course icebreaking, our management made use of this occasion to introduce us.
- **Event 17th November at Albertov** – On the occasion of the 30th anniversary of the Velvet Revolution, ČASA with its own stand participated in the event called 17th November at Albertov. Apart from promotional materials of the Association and the Faculty, the visitors could find and try simulation eyeglasses and smokerlyzer too. Also available was our information leaflet on the illicit drug scene in the Czech Republic of 1980s and 1990s.
- **St. Nicholas Eve at St. Apolinarius'** – As every year, the student association organized the St. Nicholas Eve at St. Apolinarius' wards. We visited both the male and female ward as well as the detoxification unit.
- **Informal meeting with the Minister of Health** – In December 2019, we together with other student associations met the minister of health, who listened to our ideas and criticisms.
- **Christmas Party** – Before Christmas we gathered with our Association members to recapitulate the past year.

VISION OF 2019:

- to carry on the activity of the Association and further develop co-operation with other student associations at the First Faculty of Medicine of Charles University;
- to extend the coverage of the Association materials on social webs;
- to promote the field of addictology in professional as well as general public, with a special focus on secondary school students that may be interested in studies of addictology.

Management of ČASA by 31st December 2019:

President Nikol Koutenská, Vice-presidents Kateřina Štočková and Tereza Salavová.

*For the Czech Association of Students of Addictology,
Nikol Koutenská*

ASSOCIATION OF STUDENTS OF STOMATOLOGY OF THE CZECH REPUBLIC

The Association of Students of Stomatology of the Czech Republic (SSSČR) is a volunteer non-profit organization. The Association is meant for all students of the programmes of Dentistry and Stomatology in whole the Czech Republic. The original goal of founding the organization in 2000 was the endeavour to secure the possibility of placements abroad for the students. The current goal is to facilitate the students' professional growth, offer them some enrichment of their student life and help them create a good collective of the future generation of dentists in the country.

Now we are a member of the International Association of Dental Students (IADS), which also acts as an agency to organize

international exchange for our students and the incoming foreign students. This enables each of our members to take a placement abroad, and then IADS will issue the certificate of practical experience. Within IADS (International Association of Dental Students), the Standing Committee on Research and Education (SCORE) was established in 1993. The role of SCORE is support of development of dental students' clinical, theoretical and research abilities. Now our organization provides students with a unique chance to participate in real research thanks to international scientific study placements organized under the IDRP (International Dental Research Program). Like the other exchange programmes, IDRP works under a bilateral agreement. Students that will get the chance to participate will be selected by the principal of the respective project according to their abilities. The management of the whole programme and smooth running of the placements is the responsibility of the team of National Scientific Officers and Local Scientific Officers.

SSSČR tries to advocate the students' interests in professional as well as lay public. We collaborate with the Czech Dental Chamber. For our members, we organize educational events, taking care that they can try new materials and/or procedures in practice. Further, we try to secure student discounts on entry to seminars and lectures given by other organizations, such as Prague Dental Days.

WHAT WE DO IN PRAGUE IN THE ACADEMIC YEAR 2019-2020:

- October 2019 – organization of the General meeting of all members of SSS ČR in Prague;
- organization of lectures for students of stomatology;
- 6th March 2020 – 18th Dental Students' Prom Ball in Tyrš House;
- March 2020 – IDRP – International Dental Research Program – 3 students will come from abroad in co-operation with the laboratory NSci (RNDr. Štěpán Podzimek, Ph.D.);
- 29th March 2020 – organization of training at schools and kindergartens within the World Oral Health Day (WOHD) in co-operation with the Czech Dental Chamber;
- creation of a promotional video for WOHD;
- April 2020 – Dentists' PubQuiz;
- organization of the preventive project Healthy teeth in healthy Prague (in spring every year);
- participation in Faculty events – mostly in the form of education in dental hygiene.



Charles University award – Bedřich Hrozný Prize for an important creative act in 2019 was won by Prof. MUDr. David Netuka, Ph.D., et al. for the book *Adenomy hypofýzy* [Pituitary adenomas].

Josef Hlávka award for scientific literature was won by Prof. MUDr. Oldřich Eliška, DrSc. of the Institute of Anatomy of the First Faculty of Medicine, Charles University, for the book *Lymfologie, Teoretické základy a klinická praxe* [Lymphology: Theoretical basis and clinical practice].

Josef Hlávka prize for the best students and graduates of public university-level schools in Prague and the Polytechnic in Brno as well as for talented young staff of the Academy of Sciences of the Czech Republic was won by Mgr. Anežka Tichá, student of the doctoral study programme Biochemistry and pathobiochemistry.

Wenera von Werner von Siemens prize – two prizes, one first for outstanding quality of women scientist's work and the other for the second best dissertation thesis, were awarded to MUDr. Dagmar Myšíková, Ph.D., of the First Faculty of Medicine of Charles University for the study in the field of anti-tumour immunology with the title Study of anti-tumour immunity response in patients with lung carcinoma. The jury appreciated the elaborate survey of complexity of the immunity system and its actions taking place in anti-tumour protection, and information promising considerable progress in the fight against tumour conditions.

Bolzano prize – MUDr. Michal Vočka, Ph.D., of the First Faculty of Medicine of Charles University was awarded the prize in the biomedicine category for analysis of prognostic signs in patients with breast carcinoma and colorectal carcinoma.

The prize of the journal Folia Biologica went to two articles that had an equal number of responses in citation. It was won by the following articles:

X-Chromosome Inactivation Analysis in Different Cell Types and Induced Pluripotent Stem Cell Elucidates the Disease Mechanism in a Rare Case of Mucopolysaccharidosis Type II in a Female, by the authors Mgr. Martin Řeboun, Mgr. Jitka Rybová, RNDr. Robert Dobrovolný, Ph.D., Mgr. Josef Včelák, Mgr. Tereza Veselková, Ing. Gabriela Štorkánová, Ph.D., Ing. Dita Mušálková, Ph.D., MUDr. Martin Hřebíček, Ph.D., RNDr. Jana Ledvinová, CSc., Assoc. Prof. MUDr. Martin Magner, Ph.D., Prof. MUDr. Jiří Zeman, DrSc., Ing. Karolína Pešková and RNDr. Lenka Dvořáková, CSc., published in Vol. 2/2016;

Effect of Simvastatin, Coenzyme Q10, Rasveratrol, Acetylcysteine and Acetylcarnitine on Mitochondrial Respiration by the authors Prof. RNDr. Zdeněk Fišar, CSc., Assoc. Prof. PharmDr. Jana Rečková Hroudová, Ph.D., Namrata Singh, M.Sc., Ph.D., Mgr. Anna Kopřivová, Mgr. Diana Macečková, published in Vol. 2/2016.

Gold medals of the J. E. Purkinje Czech Medical Society for 2019 were awarded by its presidium to Prof. MUDr. Jiří Raboch, DrSc. and Prof. MUDr. Petr Broulík, DrSc.

Honorary medal of the J. E. Purkinje Czech Medical Society for 2019 was awarded to Prof. MUDr. Oldřich Eliška, DrSc.

J. E. Purkinje Prize of the J. E. Purkinje Czech Medical Society for 2019 was awarded to Prof. MUDr. Jan Kvasnička, DrSc.

Prizes of the foundation Scientia for the best student scientific work by students of the First Faculty of Medicine of Charles University

Prize awarded to:	Title	Standing	Category
Klára Šmídová	Ing.	1st	postgraduate student
Václav Hána	Ph.D.	2nd	postgraduate student
Jan Kvasnička	MUDr.	2nd	postgraduate student
Vladimír Koucký	MUDr.	2nd	postgraduate student
Marie Kostelanská	Mgr.	3rd	postgraduate student
Martin Bartoš	MUDr. MDDr.	3rd	postgraduate student
Antonín Tichý	MUDr.	3rd	postgraduate student
Lucie Kubičová		3rd	undergraduate student
Barbora Břoušková		3rd	undergraduate student

MEMORIAL DIPLOMAS AWARDED BY THE DEAN OF THE FIRST FACULTY OF MEDICINE

Prof. MUDr. Věra Adámková, CSc.
 Assoc. Prof. MUDr. Miroslav Bartoš, CSc.
 Assoc. Prof. MUDr. Petr Bartůněk
 Prof. MUDr. Petr Cetkovský, Ph.D., MBA
 Assoc. Prof. MUDr. Marie Jirkovská, CSc.
 Prof. MUDr. Mgr. Milan Jirsa, CSc.
 Prof. MUDr. Antonín Kazda, DrSc.
 Prof. MUDr. Aleš Linhart, DrSc.
 MUDr. Zdeňka Nováková
 Assoc. Prof. MUDr. Ivo Paclt, CSc.
 RNDr. Bohuslava Trnková

MEMORIAL MEDALS AWARDED BY THE DEAN OF THE FIRST FACULTY OF MEDICINE

Prof. MUDr. Zdeněk Halata
 Assoc. Prof. MUDr. Jan Měšťák, CSc.
 Assoc. Prof. MUDr. Hana Brichová, CSc.,
 Assoc. Prof. MUDr. Hana Houšťková, CSc.



SCIENTIFIC / EDUCATIONAL INSTITUTIONS OF THE FACULTY

INSTITUTE OF ANATOMY

U Nemocnice 3, 128 00 Praha 2, tel.: 224 965 780, fax: 224 965 770
Head: Prof. MUDr. Karel Smetana, DrSc.
E-mail: anat@lf1.cuni.cz

BIOCEV

Průmyslová 595, 252 42 Vestec
Head: Prof. MUDr. Tomáš Stopka, Ph.D.
E-mail: biocevf1.cuni.cz

CENTRE FOR ADVANCED PRECLINICAL IMAGING

Salmovská 3, 120 00 Praha 2, tel.: 224 965 901
Head: RNDr. Luděk Šefc, CSc.
E-mail: sefc@cesnet.cz

INSTITUTE OF PHYSIOLOGY

Albertov 5, 128 00 Praha 2, tel.: 224 968 430, fax: 224 918 816
Head: Prof. MUDr. Otomar Kittnar, CSc., MBA
E-mail: fyziol@lf1.cuni.cz

INSTITUTE OF BIOCHEMISTRY AND EXPERIMENTAL ONCOLOGY

U Nemocnice 5, 128 53 Praha 2, tel.: 224 965 732, tel. /fax: 224 965 742
Head: Prof. MUDr. Alexi Šedo, DrSc.
E-mail: ubeo2@lf1.cuni.cz

INSTITUTE OF BIOPHYSICS AND INFORMATICS

Salmovská 1, 120 00 Praha 2, tel.: 224 965 842, fax: 224 965 843
Head: Prof. MUDr. RNDr. Jiří Beneš, CSc.
E-mail: ubi@lf1.cuni.cz

INSTITUTE OF BIOLOGY AND MEDICAL GENETICS

Albertov 4, 128 01 Praha 2, tel.: 224 968 141
Head: Prof. MUDr. Ondřej Šeda, Ph.D.
E-mail: biol@lf1.cuni.cz

INSTITUTE FOR HISTORY OF MEDICINE AND FOREIGN LANGUAGES

U Nemocnice 4, 121 08 Praha 2, tel.: 224 965 621
E-mail: dejiny@lf1.cuni.cz
Karlovo nám. 40, 128 00 Praha 2, tel.: 224 963 449
Head: Doc. Mgr. Karel Černý, Ph.D.
E-mail: jazyky@lf1.cuni.cz

INSTITUTE OF PATHOLOGICAL PHYSIOLOGY

U Nemocnice 5, 128 53 Praha 2, tel.: 224 965 901, fax: 224 965 916

Head: Doc. MUDr. Martin Vokurka, CSc.

E-mail: patfy@lf1.cuni.cz

INSTITUTE OF HISTOLOGY AND EMBRYOLOGY

Albertov 4, 128 00 Praha 2, tel.: 224 968 125, fax: 224 919 899

Head: Doc. MUDr. Tomáš Kučera, Ph.D.

E-mail: histol@lf1.cuni.cz

INSTITUTE FOR MEDICAL HUMANITIES

Karlovo nám. 40, 128 00 Praha 2, tel./fax: 224 963 442, tel.: 224 963 439

Head: Doc. Th.Dr. Václav Ventura, Th.D.

E-mail: human@lf1.cuni.cz

INSTITUTE OF PUBLIC HEALTH AND MEDICAL LAW

Karlovo nám. 40, 128 00 Praha 2, tel./fax: 224 963 422, tel.: 224 963 439

Head: MUDr. Mgr. Jolana Kopsa Těšínová, Ph.D.

E-mail: usm@lf1.cuni.cz

INSTITUTE OF PHYSICAL EDUCATION

Salmovská 5, 120 00 Praha 2, tel.: 224 920 463

Head: PaedDr. Josef Marcoň

E-mail: UTV@lf1.cuni.cz

INSTITUTE OF NURSING THEORY AND PRACTICE

Na Bojišti 1771/1, 120 00 Praha 2, tel: 224 964 418

Head: Mgr. Jana Heczková, Ph.D.

E-mail: osetro@lf1.cuni.cz

INSTITUTE OF GENERAL PRACTICE

Albertov 7, 128 00 Praha 2, tel.: 224 968 508

Head: Doc. MUDr. Bohumil Seifert, Ph.D.

E-mail: vselek@lf1.cuni.cz

SCIENTIFIC / EDUCATIONAL CLINICAL INSTITUTIONS OF THE FACULTY**Joint Institutions with General University Hospital****DEPARTMENT OF DERMATOLOGY AND VENEREOLOGY**

U Nemocnice 499/2, 128 21, tel.: 224 962 586, fax: 224 962 401

Apolinářská 4, 121 08, tel.: 224 921 717

Head: Prof. MUDr. Jiří Štork, CSc.

E-mail: kozni@lf1.cuni.cz

INSTITUTE OF PHARMACOLOGY

Albertov 4, 128 00 Praha 2, tel./fax: 224 968 104

Head: Doc. MUDr. Ondřej Slanař, Ph.D.

E-mail: farm@lf1.cuni.cz

DEPARTMENT OF PHONiatrics

Žitná 24, 120 00 Praha 2, tel.: 224 964 931, tel./fax: 224 964 951

Head: Doc. MUDr. Olga Dlouhá, CSc.

E-mail: fonia@lf1.cuni.cz

DEPARTMENT OF GERIATRICS

Londýnská 15, 120 00 Praha 2, tel.: 222 514 294

Head: Prof. MUDr. Eva Topinková, CSc.

E-mail: geriatrie.sekretariat@lf1.cuni.cz

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Apolinářská 18, 128 51 Praha 2, tel.: 224 912 964, 224 967 425, fax: 224 922 545

Head: Prof. MUDr. Alois Martan, DrSc.

E-mail: gynpo@lf1.cuni.cz

1ST DEPARTMENT OF SURGERY – DEPARTMENT OF ABDOMINAL, THORACIC SURGERY AND TRAUMATOLOGY

U Nemocnice 2, 120 00 Praha 2, tel.: 224 962 215

Head: Prof. MUDr. Zdeněk Krška, CSc.

E-mail: chir1@lf1.cuni.cz

2ND DEPARTMENT OF SURGERY – DEPARTMENT OF CARDIOVASCULAR SURGERY

U Nemocnice 2, 128 00 Praha 2, tel.: 224 962 709, fax: 224 922 695

Head: Doc. MUDr. Jaroslav Lindner, CSc.

E-mail: chir2@lf1.cuni.cz

1ST DEPARTMENT OF INTERNAL MEDICINE – DEPARTMENT OF HAEMATOLOGY

U Nemocnice 2, 128 08 Praha 2, tel.: 224 962 527, fax: 224 963 556

Head: Prof. MUDr. Marek Trněný, CSc.

E-mail: int1@lf1.cuni.cz

2ND DEPARTMENT OF INTERNAL MEDICINE – DEPARTMENT OF CARDIOVASCULAR MEDICINE

U Nemocnice 2, 128 08 Praha 2, tel.: 224 962 605, 224 922 692, fax: 224 912 154

Head: Prof. MUDr. Aleš Linhart, DrSc.

E-mail: int2@lf1.cuni.cz

3RD DEPARTMENT OF INTERNAL MEDICINE – DEPARTMENT OF ENDOCRINOLOGY AND METABOLISM

U Nemocnice 1, 128 08 Praha 2, tel.: 224 916 603, 224 962 922, fax: 224 919 780

Head: Prof. MUDr. Michal Kršek, CSc., MBA

E-mail: int3@lf1.cuni.cz

4TH DEPARTMENT OF INTERNAL MEDICINE – DEPARTMENT OF GASTROENTEROLOGY AND HEPATOLOGY

U Nemocnice 2, 128 08 Praha 2, tel.: 224 -962 506, fax: 224 923 524

Head: Prof. MUDr. Radan Brůha, CSc.

E-mail: int4@lf1.cuni.cz

DEPARTMENT OF ADDICTOLOGY

Apolinářská 4, 120 00 Praha 2, tel: 224 968 222–5, fax: 224 968 219

Ke Karlovu 11, 120 00 Praha 2, tel./fax: 224 965 035

Head: Prof. PhDr. Michal Miovský, Ph.D.

E-mail: info@adiktologie.cz

DEPARTMENT OF NEPHROLOGY

U Nemocnice 2, 128 08 Praha 2, tel. /fax: 224 962 696

Head: Prof. MUDr. Vladimír Tesař, DrSc., MBA

E-mail: eva.luxova@vfn.cz

DEPARTMENT OF ANAESTHESIOLOGY, RESUSCITATION AND INTENSIVE CARE

U Vojenské nemocnice 1200, 169 02 Praha 6, tel.: 973 203 581, 973 202 999

Head: Doc. MUDr. Jan Bláha, Ph.D., MHA

E-mail: tomas.tyll@lf1.cuni.cz

DEPARTMENT OF PAEDIATRICS AND ADOLESCENT MEDICINE

Ke Karlovu 2, 121 09 Praha 2, tel.: 224 967 734, fax: 224 911 453

Head: Prof. MUDr. Tomáš Honzík, PhD.

E-mail: detske@lf1.cuni.cz

DEPARTMENT OF OCCUPATIONAL MEDICINE

Na Bojišti 1, 128 08 Praha 2, tel.: 224 964 530, fax: 224 914 325

Head: Doc. MUDr. Sergej Zacharov, PhD.

E-mail: nempov@lf1.cuni.cz

DEPARTMENT OF REHABILITATION MEDICINE

Albertov 7, 128 00 Praha 2, tel.: 224 968 479, fax: 224 917 898

Head: MUDr. Yvona Angerová, Ph.D., MBA

E-mail: rehab@lf1.cuni.cz

1ST DEPARTMENT OF TUBERCULOSIS AND RESPIRATORY DISEASES

Karlovo nám. 32, 121 11 Praha 2, tel.: 224 941 500, fax: 224 966 303

Head: Prof. MUDr. Jiří Homolka, DrSc.

E-mail: tubres@lf1.cuni.cz

DEPARTMENT OF NEUROLOGY

Kateřinská 30, 128 21 Praha 2, tel.: 224 965 549–50, fax: 224 922 678

Head: Prof. MUDr. Evžen Růžička, DrSc.

E-mail: neuro@lf1.cuni.cz

DEPARTMENT OF OPHTHALMOLOGY

U Nemocnice 2, 128 08 Praha 2, tel.: 224 962 329, 224 963 030, fax: 224 962 631
 Head: Doc. MUDr. Jarmila Heissigerová, Ph.D.
 E-mail: ocni@vfn.cz

DEPARTMENT OF ONCOLOGY

U Nemocnice 2, 128 08 Praha 2, tel.: 224 962 219, 224 917 830, fax: 224 921 716
 Head: Prof. MUDr. Luboš Petruželka, CSc.
 E-mail: onkol@vfn.cz

DEPARTMENT OF PSYCHIATRY

Ke Karlovu 11, 128 08 Praha 2, tel.: 224 965 344-5, fax: 224 923 077
 Head: Prof. MUDr. Jiří Raboch, DrSc.
 E-mail: psych@lf1.cuni.cz

DEPARTMENT OF RADIOLOGY

U Nemocnice 2, 128 08 Praha 2, tel.: 224 962 233, fax: 224 963 048
 Head: Doc. MUDr. Andrea Burgetová, Ph.D., MBA
 E-mail: radio@vfn.cz

INSTITUTE OF SEXOLOGY

Ke Karlovu 11, 128 08 Praha 2, tel.: 224 968 244, fax: 224 965 245
 Head: Prof. MUDr. Jiří Raboch, DrSc.
 E-mail: sexuol@lf1.cuni.cz

DEPARTMENT OF STOMATOLOGY

Kateřinská 32, 128 01 Praha 2, tel.: 224 964 583, 224 230 046, fax: 224 916 573
 Head: Prof. MUDr. René Foltán, Ph.D.
 E-mail: kucoch@lf1.cuni.cz

DEPARTMENT OF UROLOGY

Ke Karlovu 6, 128 08 Praha 2, tel.: 224 967 847-8, fax: 224 967 102
 Head: Prof. MUDr. Tomáš Hanuš, DrSc.
 E-mail: urol@lf1.cuni.cz

INSTITUTE OF BIOLOGY AND MEDICAL GENETICS

Albertov 4, 128 00 Praha 2, tel. /fax: 224 968 141, 224 914 957-8, fax: 224 918 666
 Head: Prof. MUDr. Ondřej Šeda, Ph.D.
 E-mail: biol@lf1.cuni.cz

INSTITUTE OF HYGIENE AND EPIDEMIOLOGY

Studničkova 7, 128 00 Praha 2, tel. /fax: 224 919 967
 Head: Doc. MUDr. Milan Tuček, CSc.
 E-mail: hygep@lf1.cuni.cz

INSTITUTE OF MEDICAL BIOCHEMISTRY AND LABORATORY DIAGNOSTICS

Kateřinská 32, 121 08 Praha 2, tel.: 224 964 821, fax: 224 964 280
 Karlovo nám. 32, 121 11 Praha 2, tel.: 224 964 281
 Head: Prof. MUDr. Tomáš Zima, DrSc., MBA
 E-mail: bioch@lf1.cuni.cz

INSTITUTE OF IMMUNOLOGY AND MICROBIOLOGY

Studničkova 7, 128 00 Praha 2, tel.: 224 968 472, fax: 224 968 496
 Head: Prof. RNDr. Libuše Kolářová, CSc.
 E-mail: imunik@lf1.cuni.cz

INSTITUTE OF NUCLEAR MEDICINE

Salmovská 3, 120 00 Praha 2, tel.: 224 965 813, fax: 224 922 486
 Head: Prof. MUDr. Martin Šámal, DrSc.
 E-mail: nukle@lf1.cuni.cz

INSTITUTE OF PATHOLOGY

Studničkova 2, 128 00 Praha 2, tel.: 224 968 710, fax: 224 911 715
 Head: Prof. MUDr. Pavel Dunder, Ph.D.
 E-mail: patol@lf1.cuni.cz

INSTITUTE OF FORENSIC MEDICINE AND TOXICOLOGY

Studničkova 4, 128 21 Praha 2, tel.: 224 968 615, fax: 224 918 985
 Head: Doc. MUDr. Alexander Pilin, CSc.
 E-mail: soudni@lf1.cuni.cz, toxi@lf1.cuni.cz

INSTITUTE OF SPORTS MEDICINE

Salmovská 5, 120 00 Praha 2, tel.: 224 965 716–7, fax: 224 919 527
Head: Doc. MUDr. Zdeněk Vilík, CSc.
E-mail: telek@lf1.cuni.cz

Joint Institutions with University Hospital Motol

3RD DEPARTMENT OF SURGERY

V Úvalu 84, 150 00 Praha 5, tel.: 224 438 000-1
Head: Prof. MUDr. Robert Lischke, Ph.D.
E-mail: chir3@seznam.cz

DEPARTMENT OF OTORHINOLARYNGOLOGY, HEAD AND NECK SURGERY

V Úvalu 84, 150 00 Praha 5, tel.: 224 434 301, fax: 224 434 319
Head: Prof. MUDr. Jan Plzák, Ph.D.
E-mail: orl@lfmotol.cuni.cz

DEPARTMENT OF SPONDYLOSURGERY

V Úvalu 84, 150 00 Praha 5, tel.: 224 432 581
Head: Prof. MUDr. Jan Štulík, CSc.
E-mail: jan.stulik@lf1.cuni.cz

DEPARTMENT OF ORTHOPAEDICS

V Úvalu 84, 150 00 Praha 5, tel.: 224 433 900-1
Head: Prof. MUDr. Ivan Landor, CSc.
E-mail: orto@lf1.cuni.cz, E-mail: sosna.orto@email.cz

Joint Institutions with Central Army Hospital – Military University Hospital

DEPARTMENT OF MEDICINE

U Vojenské nemocnice 1200, Střešovice, 160 00 Praha 6, tel.: 973 203 097, fax: 973 203 073
Head: Prof. MUDr. Miroslav Zavoral, PhD.
E-mail: daniela.kaminova@uvn.cz

DEPARTMENT OF ANAESTHESIOLOGY, RESUSCITATION AND INTENSIVE MEDICINE

U Vojenské nemocnice 1200, 169 02 Praha 6, tel.: 973 202 999
Head: MUDr. Tomáš Tyll, Ph.D.
E-mail: tomas.tyll@lf1.cuni.cz

DEPARTMENT OF INFECTIOUS DISEASES

U Vojenské nemocnice 1200, 169 02 Praha 6, tel.: 973 203 553
Head: Prof. MUDr. Michal Holub, Ph.D.
E-mail: michal.holub@lf1.cuni.cz

DEPARTMENT OF ORTHOPAEDICS

U Vojenské Nemocnice 1200, 169 02 Praha 6, tel: 973 203 279
Head: Prof. MUDr. Jan Bartoníček, DrSc.
E-mail: bartonicek.jan@seznam.cz

DEPARTMENT OF NEUROSURGERY AND NEUROONCOLOGY

U Vojenské Nemocnice 1200, 160 00 Praha 6, tel.: 973 202 963
Head: Prof. MUDr. David Netuka, Ph.D.
E-mail: nechi@lf1.cuni.cz

DEPARTMENT OF OPHTHALMOLOGY

U Vojenské nemocnice 1200, Střešovice, 160 00 Praha 6, tel.: 224 314 098
Head: Doc. MUDr. Martin Šín, Ph.D., FEBO
E-mail: ocni@uvn.cz

Joint Institutions with the Na Bulovce Hospital

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Budínova 2, 180 81 Praha 8, tel.: 266 083 229, fax: 283 840 507
Head: Doc. MUDr. Michal Zikán, Ph.D.
E-mail: michael.halaska@lf1.cuni.cz

DEPARTMENT OF SURGERY

Budínova 2, 180 81 Praha 8, tel.: 266 082 176, fax: 266 082 482
 Head: Doc. MUDr. Jan Fanta, DrSc.
 E-mail: chirbul@lf1.cuni.cz

DEPARTMENT OF INFECTIOUS AND TROPICAL DISEASES

Budínova 2, 180 81 Praha 8, tel.: 266 082 717, fax: 266 082 717
 Head: Doc. MUDr. Hanuš Rozsypal, CSc.
 E-mail: tropi@lf1.cuni.cz, E-mail: emich@lf1.cuni.cz

DEPARTMENT OF PLASTIC SURGERY

Budínova 2, 180 81 Praha 8, tel. /fax: 266 083 204
 Head: MUDr. Martin Molitor, Ph.D.
 E-mail: plastika@fnb.cz

DEPARTMENT OF ORTHOPAEDICS

Budínova 2, 180 81 Praha 8, tel.: 266 082 828, fax: 283 840 514
 Head: Prof. MUDr. Jiří Chomiak, CSc.
 E-mail: ort@bulovka.cz

INSTITUTE OF RADIATION ONCOLOGY

Budínova 2, 180 81 Praha 8, tel.: 283 840 990, fax: 283 840 873
 Head: Prof. MUDr. Luboš Petruželka, CSc.
 E-mail: onkouro@mbox.vol.cz

Joint Institutions with Thomayer Hospital**DEPARTMENT OF ANAESTHESIOLOGY AND INTENSIVE CARE**

Videňská 800, 140 59 Praha 4, tel.: 261 083 811, fax: 261 083 673
 Head: Doc. MUDr. Roman Zazula, Ph.D.
 E-mail: monika.koudelkova@ftn.cz

DEPARTMENT OF SURGERY

Videňská 800, 140 59 Praha 4, tel.: 261 082 632, tel./fax: 261 082 620
 Head: Doc. MUDr. Jaromír Šimša, Ph.D.
 E-mail: chirkr@ftn.cz

DEPARTMENT OF ONCOLOGY

Videňská 800, 140 59 Praha 4, tel: 261 083 492
 Head: Doc. MUDr. Tomáš Büchler, Ph.D.
 E-mail: tomas.buchler@ftn.cz

DEPARTMENT OF PAEDIATRICS

Videňská 800, 140 59 Praha 4, tel.: 261 083 180, fax: 261 083 231
 Head: Doc. MUDr. Martin Magner, Ph.D.
 E-mail: pediatr@ftn.cz

DEPARTMENT OF RESPIRATORY MEDICINE

Videňská 800, 140 59 Praha 4, tel.: 261 082 372
 Head: Prof. MUDr. Martina Vašáková, Ph.D.
 E-mail: pneum@lf1.cuni.cz

Joint Institutions with the General University Hospital and Central Army Hospital – Military University Hospital**DEPARTMENT OF ONCOLOGY**

U Nemocnice 2, 128 08 Praha 2, tel: 224 962 219
 Head: Prof. MUDr. Luboš Petruželka, CSc.
 E-mail: lubos.petruzelka@lf1.cuni.cz

Institution of the First Faculty of Medicine at the Institute of Haematology and Blood Transfusion**INSTITUTE OF CLINICAL AND EXPERIMENTAL HAEMATOLOGY**

U Nemocnice 1, 128 08 Praha 2, tel.: 221 977 217, fax: 224 913 728
 Head: Prof. MUDr. Petr Cetkovský, Ph.D., MBA
 E-mail: info@uhkt.cz

Institution of the First Faculty of Medicine at the Institute of Rheumatology

DEPARTMENT OF RHEUMATOLOGY

Na Slupi 4, 128 50 Praha 2, tel.: 234 075 249, fax: 224 914 451

Head: Prof. MUDr. Karel Pavelka, DrSc.

E-mail: ru_praha@revma.cz

Science and Information Institution of the Faculty

INSTITUTE OF SCIENTIFIC INFORMATION

Kateřinská 32, 128 01 Praha 2, tel.: 224 965 602, fax: 224 965 601

Head: PhDr. Hana Skálová

E-mail: knihovna@lf1.cuni.cz

Utility Institution of the Faculty

CENTRE FOR EXPERIMENTAL BIOMODELS

U Nemocnice 5, 128 53 Praha 2, tel.: 224 965 815

Head: Mgr. Viktor Sýkora

E-mail: ceb@lf1.cuni.cz

