

Charles University  
First Faculty of Medicine

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Annual Report

2020



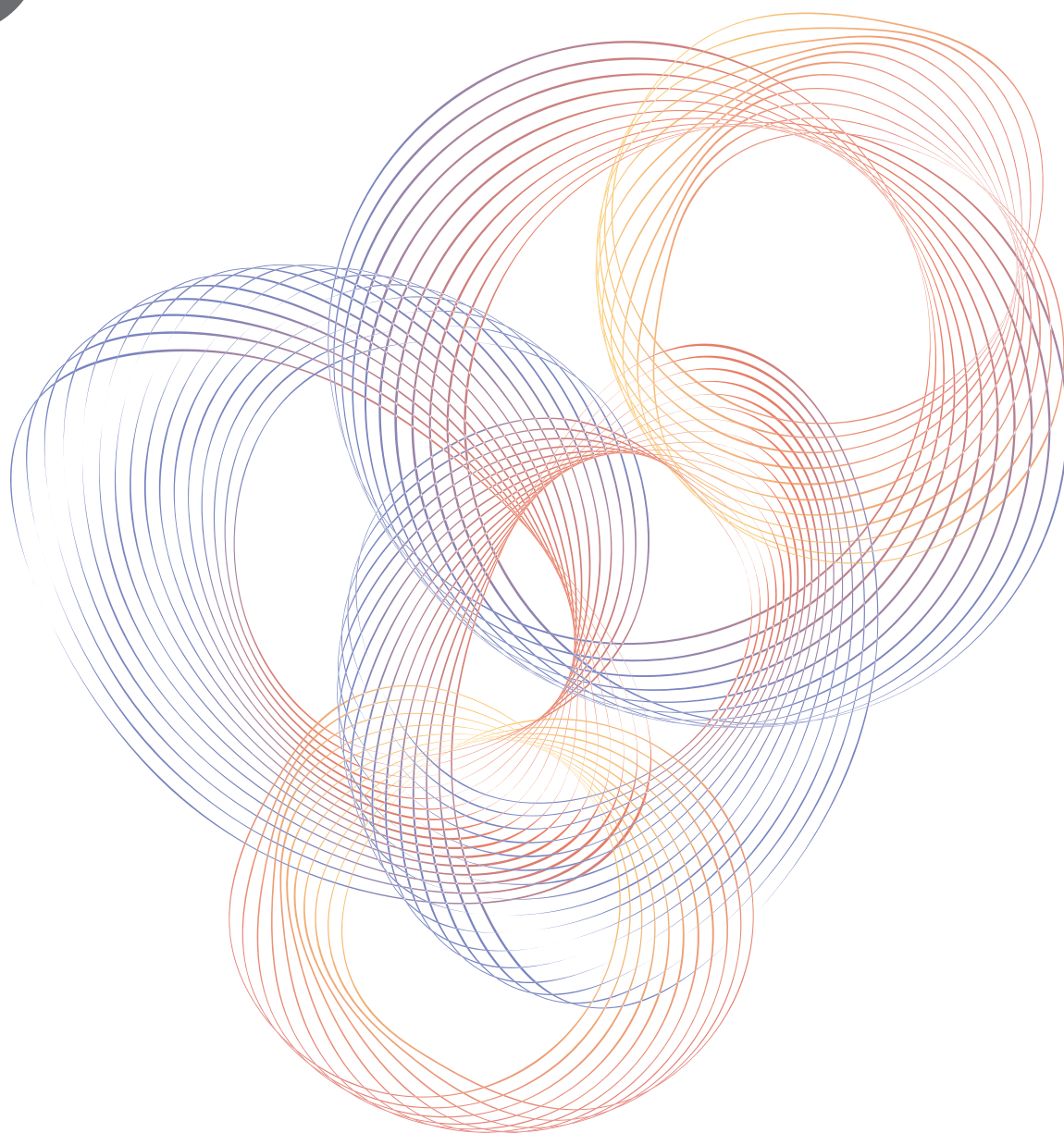


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First Faculty of Medicine

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Annual Report

2020





**FIRST FACULTY  
OF MEDICINE**  
Charles University

Compiled by team of authors from Charles University – First Faculty of Medicine  
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*Prof. MUDr. Martin Vokurka, CSc.,  
Dean of the First Faculty of Medicine  
of Charles University*

The Annual Report is a book packed with texts, photos, diagrams and charts telling about how we were doing in the given year. Above all, however, it's about a year of real life of the Faculty, its teachers, employees and thousands of students. And connected with each of them are some personal aims, hopes and resolutions of their own. Each new year is expected to be exceptional and bring some kind of shake-up. You graduate, obtain a degree or reach a higher academic post, improve your teaching or achieve new results in science. This was the case at the turn of 2020 as well. We wished to do a lot, but that year will undoubtedly enter the history even without our participation, however our attitudes, resolutions and actions did have some influence on the course of events.

Since the spring of 2020, we have had to adjust to the COVID-19 pandemics. At first, in-person attendance in classes could not be possible, and we had to show flexibility and start organizing classes in the distance form. It was necessary to swiftly respond to the government measures, which were often issued just before they came to force and were not always absolutely clear. In the spring of 2020, the Dean's Board had to show swiftness, determination as well as flexibility. It was communication with the Faculty staff and above all students that proved to be crucial. At the times of various complex and often confusing measures, it was the Faculty that had not only to organize the changes in its operation but also to inform about them as early and exactly as possible.

Remarkable was the attitude of the students who helped in hospitals as volunteers. Then they continued to volunteer throughout the year, largely organizing it by themselves through the new association called Dobro. So once again they proved that the students' role in the life of the Faculty is absolutely natural and an integral part of its development.

Coping with the spring crisis contributed to creation of structures to manage the situation in the autumn. One positive feature was the good continuity of the Faculty management, as new members of the Dean's Board and vice-deans could make use of previous experience, especially in the sphere of tuition. In the autumn, in-person attendance in practical classes, including the clinical ones, was enabled at medical schools. This, however, meant more challenges to face – among others, assistance for students who had to manage volunteering in hospitals and attending classes at the same time. The programme "Help and study" was set up, which provided clear rules for remuneration and recognition of volunteer activities in hospitals. We expeditiously launched the elective subject Nursing in simulations to help students master basic nursing procedures before coming to the hospitals.

We teach about DNA, genetics and viruses, and in 2020 we could follow many courses live, on-line or actually *in vivo*. The fascinating thing was that you could observe the development of diagnostics, therapy and organization of care with their both dead ends and achievements. The extraordinary efforts of Czech health services and professionals proved that – despite of all the problems and shortcomings – we have doctors, nurses and other health professionals that are really well-trained and devoted. The Faculty participated in research in the sphere of COVID-19 and produced the first scientific papers on the topic. Of much importance was also the testing that the Faculty enabled at its units, investing not only the equipment and supplies but also the efforts and experience of the staff.

Despite the demanding pandemic situation, the development of the Faculty did not stagnate. In the sphere of education, we carried on the processes of adjusting the curricula for the clinical years of study, integration of tuition and support of simulation training. At the Faculty, research continued as well as education of post-graduate students. A lot of things that we had to cope with or had to learn will be useful in the future development of the school.

The Faculty did not lose its standing in the public sphere either, although the scope of promotional activities was very limited

and nearly the only thing in the focus of the media was the COVID-19 pandemics. I am grateful to all our specialists and medics for sparing their time for giving interviews and allowing journalists to explore their workplace in such a difficult situation and thereby contributing to spreading news of the reputation of the Faculty. I think it is the chance to meet and socialize that we all miss in particular, and especially for our new graduates it must have been unpleasant, as graduation ceremonies or other festive events could not be held at some periods.

Another feature of 2020 was the election of a new Dean. The academic community was able to ponder and discuss the candidates' problems and the Faculty's prospective policy. Some of the topics were common to all the candidates, such as enhancing the practical and simulation training, emphasis on excellent science and co-operation within all the Faculty. Due to the pandemics, the election took place two months later than planned but the whole election campaign developed in the lines of common interest of all academic community in the development and future of both the Faculty and medical education in general. In the autumn, the new Dean's Board was established and the new Scientific Board established. Members of the two bodies immediately embarked upon their demanding work, although the Scientific Board could not meet in its full new composition completely at first.

We owe many thanks to all employees of the Faculty, teachers, administrative staff and students. And of course, to the previous dean, professor Šedo, and his team, as we must not forget that most of the last year passed under their management.

Last but not least, I would like to express my gratitude also to the management of the hospitals we co-operate with. During that difficult time, their representatives also supported the education at the Faculty, and were helpful in some tasks connected with it.

I believe that later, when we can see 2020 with hindsight, it will become clear that despite all the trouble it was a successful year, which gave us a lot of confidence and resolution to work on for further development of the Faculty and on their major tasks – education of wonderful graduates and excellent scientific activity.



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

2020 was a year that was very different from what we had expected. The whole system of health service faced absolutely unprecedented pressure, and health professionals experienced such physical and emotional load as never before in their careers. Big teaching hospitals again got a chance to prove that they are the cornerstone of the whole system of health care in the Czech Republic. It was them that carried, or rather have been carrying, responsibility for managing the worst stage of the pandemics of the Chinese virus. They are taking care of patients in the worst health state, and at the same time doing the tests, launching the vaccination, and still providing the care of common patients, as sick people with diagnoses different from COVID-19, naturally, did not cease to exist. This unprecedented load testing perceptibly affected our co-operation with the First Faculty of Medicine of Charles University, our natural closest partner. And I am glad to say that we did an excellent job of it. Students volunteered in the work of the hospital in strength, the schedules were flexibly adjusted, and after years of discussions about larger proportion of practical training in education it simply materialized then and there. Dramatically rose the role of simulation training as preparation before the student's actual placement in the clinical setting. The relation between the Faculty and the hospital strengthened as never before.

Critical situations should be considered as a unique chance to change something. We will try so that student can be much more involved in actual clinical practice, nearly as much as new graduated doctors. So that they can feel the close connection rather than distance between our two institutions. So that the most talented ones can also participate in scientific and educational activities of our clinical departments to a larger extent. Because, if there is anything proved beyond any doubt by the past year, it is the fact that vocation in health care is something of the greatest consequence.





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

Ladies and gentlemen,

It is my pleasant duty to contribute to the Annual Report to the First Faculty of Medicine of Charles University, giving evaluation of the activities that the Faculty shared with the Hospital last year. The Military University Hospital – the army teaching hospital – is in partnership with all medical faculties of Charles University but co-operation with the First Faculty of Medicine is the most extensive of all. Our two institutions have been interconnected in their activities for more than sixty years. They are connected through their common history as well as common goals and achievements. Of the present-time ten clinical departments of the Military University Hospital, seven are shared with the First Faculty of Medicine of Charles University.

In accordance with the mission of the Faculty, we instruct and educate the medical students in the Military University Hospital in order to prepare them for the medical profession in both theoretical and practical aspects. All the units of the Hospital that are involved in vocational training of medical students are internationally respected specialized facilities. At the clinical departments of the Military University Hospital and the First Faculty of Medicine, a fair number of top prominent specialists' work, renowned both in Czechia and in international professional circles, who invariably convey their knowledge and experience to student of the First Faculty of Medicine. At the same time, the Military University Hospital also possesses technological equipment at the European level, which provides the medics with the opportunity of learning about and working with the latest and most advanced appliances and technologies.

Every year, about 1,800 students in the 3<sup>rd</sup> to the 6<sup>th</sup> years of studies at all three medical faculties of Charles University pass their clinical placements at the Military University Hospital. Nearly one half of the number are students of the First Faculty of Medicine. In the hindsight, the last year was extraordinary, completely different from the years before. The coronavirus pandemics considerably hit all of us, above all the health services, including medical education and practical training as well. Practical training of 3<sup>rd</sup> to 6<sup>th</sup> year students of all medical faculties were dramatically limited, and only one third of clinical placements were implemented, compared to the previous years' figures. As for the proportion of students at clinical placements, it stayed the same – one half of the number was constituted by students of the First Faculty of Medicine. Practical training was limited to small groups of not more than 10 students per day, always in compliance with the current measures connected with the epidemiologic situation. The way of tuition and State Examination preparation underwent some changes as well, as in the spring months and in the autumn, we transferred it to the distance on-line form.

Despite the coronavirus pandemics, we and the First Faculty of Medicine carried on the active partnership within the international programmes Erasmus and IFMSA.

Although all clinical departments of First the Faculty of Medicine and Military University Hospital took part in managing the epidemiologic situation, it was the Department of Infectious Diseases and the Department of Anaesthesiology, Resuscitation and Intensive Medicine that played the crucial role in the care of COVID-19 patients.

In addition, 2020 saw a widening of the co-operation. As a new part of the Institute of Gastrointestinal Oncology, the Centre of Gastrointestinal Oncology of the First Faculty of Medicine of Charles University and the Military University Hospital was established, whose organization components are the Department of Medicine of the First Faculty of Medicine, Charles University and Military University Hospital; and the Institute of Biochemistry and Experimental Oncology at the First Faculty of Medicine, Charles University.

Two clinical departments of the First Faculty of Medicine and the Military University Hospital saw some changes in

their management as well: in April 2020, Prof. MUDr. David Netuka, Ph.D., was appointed as the Head of the Department of Neurosurgery and Neurooncology of the First Faculty of Medicine, Charles University and the Military University Hospital Prague; and Prof. MUDr. Petr Urbánek, CSc., was appointed the Head of the Department of Medicine of the First Faculty of Medicine, Charles University and Military University Hospital on 1<sup>st</sup> October 2020.

Ladies and gentlemen, another year is over, and this one really tested our capabilities, firmness of our relations, and readiness in management of critical situations. We have experienced a number of crucial changes, including the appointment of the new dean of the First Faculty of Medicine of Charles University. I deeply believe that the co-operation between the Faculty and the Military University Hospital, based on mutual trust, appreciation, respect, and above all support, will continue and further develop and deepen for the benefit of both institutions.

On this occasion, it is worth thanking all those who take part in tuition, professional training and all other academic activities. Together we promote the interest in medicine and learning, and contribute to making of a new generation of physicians, doing our best to provide them with the firm basis that is necessary to practice modern sophisticated medicine. Then it is for the students to make use of this asset.



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

Ladies and gentlemen,

The demanding year of 2020 is over, which regretfully was marked with the current coronavirus pandemics. This affected everything around us and still puts a big burden on health services, which have to pass real load testing. This viral infection is something new to most of us. We fight against an invisible enemy, and until recently we had not have any effective “weapon”. Now, luckily, the situation is different, as new vaccines and modern medication based on monoclonal substances, such as Bamlanivimab or other similar medicinal preparations. I mentioned this hot topic first on purpose, as COVID-19 concerns all of us and definitely will for some time. However, it is important to say that this viral infection seems to get less severe, but we still have to hold on for some time and be consistent in observing all anti-epidemic and hygienic measures. This is the only way of efficient protection against the virus.

I am really happy to get the chance of contributing to this Annual Report again with my introduction and thus informing you about the course of events in the Hospital. You may have noticed one most significant fact: After years of hard work, we again got our status of a teaching hospital reflected in the name –Thomayer University Hospital. This fact is really special to us, above all for the further development and aspirations in scientific research as well as educational activities of our Hospital. It is perhaps common knowledge that our Hospital has been in close long-standing co-operation with Charles University and its medical faculties. At our clinical departments, we traditionally offer support in professional and educational setting, which last year was limited due to various anti-coronavirus measures but all the same we together were able to find a way to co-operation. I must express special thanks to all students who helped us to handle that critical period and got actively involved in a variety of working activities in our hospital in 2020. They were really many in number. A lot of students are carrying this help on in this year as well, and we owe them our thanks. Their help was and still is important and indispensable for our health staff.

We also co-ordinate our health care operation with research and educational tasks, in which the students of medical faculties assist us as well. In research work, we offer them with a wide scope of options of co-operation, providing them with valuable experience that they can later use in practice. It is also worth mentioning that last year I met the new Dean of the First Faculty of Medicine of Charles University, Prof. MUDr. Martin Vokurka, CSC., as he was appointed. Then, in the presence of Heads of our clinical departments, we both agreed upon further co-operation.

In many respects, 2020 was a very demanding year for us, considering the coronavirus pandemics, but at a time it was packed with events. To list just the most crucial investments implemented in the past year, I definitely have to mention the hypermodern MRI device commissioned, preparations carried out before renovation of the lung department, establishment of the sampling centre for COVID-19 testing plus opening of the new modern vaccination centre, and so on and so forth. The list could be really long, and I am really happy that we managed to do so many positive things in such a difficult time. However, there are many other investments in the pipeline, which are being prepared in co-operation with the Ministry of Health or some other subjects. They include renovation of several buildings, commission of new technological equipment, construction of a new emergency admission department, etc. In September last year, our Hospital became the winner of the project “Quality and safety hospital 2020”. This was the result of the 8th year of the opinion poll that is traditionally organized by the Czech Society for Accreditation in Health Services.

In conclusion, I would like to wish you all much success in study and personal life in the coming period, and wish those whose studies are being finished a successful start in medical practice and a lucky choice of their first job. I wish you all firm health!



*Mgr. Jan Kvaček,  
Director of Bulovka University Hospital*

Ladies and gentlemen,

Our Hospital carries out all the major tasks that are expected from teaching hospitals. We provide a wide scope of health care, develop centres of highly specialized care, create favourable conditions for education and practical training of students of medical faculties as well as conditions for research and development. Deans of particular medical faculties have acknowledged the level of current co-operation, which – significantly – includes basic and clinical research as well, including introduction and testing of new therapeutic methods, whose inseparable part is also the performing of clinical essays of medicinal preparations. Considering these facts, the status of a teaching hospital has been reflected again in the name of the hospital, which now is Bulovka University Hospital.

We share some units with the First, Second and Third Faculty of Medicine of Charles University to implement educational and research activities. In the case of the First Faculty of Medicine, our most important units are involved – the Department of Orthopaedics, Department of Obstetrics and Gynaecology, Department of Infectious Diseases, Department of Plastic Surgery, Department of Surgery, and Institute of Radiation Oncology. We hope to develop the mutual co-operation in the coming years as well.

Nonetheless, we still have to face difficult tasks connected with the understaffing, deep deficit in investments and adverse economic situation. The latter was largely affected by the COVID-19 pandemics, which hindered us from providing elective and out-patient care. In the next year, therefore, our major task is to get the hospital operation back to normal again and to stabilize it economically step by step, so that it can fully play its role in the system in long-term perspective, doing so in all aspects of its activities – as a trunk hospital with a large catchment area, a top-ranking centre of nation-wide importance in selected specialties and, last but not least, an educational and research centre co-operating with medical schools.



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

Dear friends,

the last year was unpredictable to everyone, and the most peculiar one of all the time I had spent in health services. That was due to the COVID-19 pandemics. It isn't as if some kind of pandemics was completely unexpected, considering the incidence of diseases like SARS, MERS or the killer Ebola. So the unexpected thing was that the pandemics was able to spread worldwide so fast and, sadly, also the fact that despite the lower death rate, compared to other diseases, such a great many of people died.

Although in the spring of 2020 we were ready for nearly all kinds of things medically, in the organization aspect, however, the situation that we had to face was unprecedented. From ignorance, we all were overdoing things at first. We were trying to solve everything in accordance with the extraordinary measures provided by the Ministry of Health. We reserved 200 beds for COVID-19 patients, stopped providing the elective care and made the health care staff take turns in one-week working periods. The situation occurred when the empty corridors of the hospital with no patients in them nearly gave us creeps. After suspension of the restrictions, the critical autumn came, followed by the even more critical winter with a vast increase in the number of hospitalized COVID-19 patients, need in testing and preparations for vaccination. The spring and autumn crises of 2020 affected the efficiency of the hospital and caused delay of all procedures that could be postponed. During all that time, medical students were really valuable assistance, including those from the First Faculty of Medicine, although medics from our twin 2<sup>nd</sup> Faculty of Medicine prevailed. For their help, I would like to express my thanks to all of them.

University Hospital Motol, whose director I have been for already 20 years, and the First Faculty of Medicine of Charles University have sustained close co-operation for many years, as the adult patient section of the Hospital is the seat of four shared clinical units. These are large in terms of the numbers of staff and significant in terms of their reputation.

The 3<sup>rd</sup> Department of Surgery, led by Prof. Lischke, is the national centre of excellence in the field of thoracic surgery, a centre for treatment of soft tissue sarcomata, and the only centre in the Czech Republic to perform lung transplantations.

The Department of Otorhinolaryngology, Head and Neck Surgery, led by Prof. Plzák, provides a complete scope of ENT investigations and therapies, including oncology, and thanks to its results it ranks among the most prominent ENT care facilities in the Czech Republic.

The 1<sup>st</sup> Department of Orthopaedics, led by Prof. Landor, provides conservative and surgical care of adult patients in the full scope of orthopaedic procedures, including traumatology and septic surgery.

The Department of Spondylosurgery is the national facility for treatment of injuries and diseases of the vertebral column in both children and adults. This department, led by Prof. Štulík, is renowned for its high efficiency and superspecialized care, particularly management of tumour conditions, degenerative impairments, inflammatory diseases and congenital or acquired deformities.

In conclusion, I would like to express the hope that 2021, which has already begun quite a time ago, will be the year of return back to normal for our health services and University Hospital Motol will fully resume all its activities, including elective procedures, which are one of the basic tasks in health care for all the above facilities.



*Prof. MUDr. Jan Betka, DrSc.,  
Chairman of the Academic Senate of the Faculty*



The most important event in the life of the Academic Senate was the election of the Dean of the First Faculty of Medicine of Charles University. There were two candidates for the election, both of them outstanding members of the academic community – Prof. MUDr. Aleš Linhart, DrSc., and Assoc. Prof. MUDr. Martin Vokurka, CSc. After an election campaign led in fair spirit, it was Assoc. Prof. MUDr. Martin Vokurka, CSc. that was elected in a secret ballot by a majority of votes. After the campaign and election, the Academic Senate did not receive any appeals, objections or criticisms. We owe many thanks to the organizers of the election, led by Prof. MUDr. Michal Vrablík, Ph.D. To the Academic Senate, the new Dean submitted the proposal list of new vice-deans, members of the Dean's Board and members of the Scientific Council to be appointed. Following the discussion in the Academic Senate, the proposed members of the said bodies were approved by the Faculty management. Further, the Academic Senate dealt with the election of our representatives in the Academic Senate of the University for the term of 2021–2024. For the first time in the Faculty's history, this election was organized in the electronic form. We are very thankful to Prof. MUDr. Radan Brůha, CSc., and the commission for organization of the election, which they brilliantly mastered with the support of the colleagues from the IT team. Elected as our representatives in the Academic Senate of Charles University were Prof. MUDr. Robert Jech, Ph.D., and Prof. MUDr. Jiří Raboch, DrSc., for the academic staff, and Kamila Otrubová and Matěj Višňa for students. The Academic Senate of the Faculty firmly believes that they will bravely champion the First Faculty of Medicine of Charles University in the University senate and promote its interests.

Undoubtedly the biggest event the world experienced last year was the coronavirus crisis. In virtually each of its sessions, the Academic Senate dealt with the impact of the crisis on the Faculty. Particularly the student section of the Academic Senate got extremely involved. We did our best to support the students at the difficult time and to facilitate the transition to distance teaching, and also make the limited presence education and examining procedures as much as possible. The Academic Senate was one of the instigators of adaptation of the curriculum and advocated its implementation. At the time of the coronavirus crisis, students were one of the buttresses of its management.

Further, the Senate dealt with the common agenda within its jurisdiction, such as accreditation of the PhD. study programme in addictology; change of the title of the Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague; various drafts of Dean's Orders; amendment of the Constitution of Charles University, Code of Study and Examination of Charles University and Rigorosum Examination Code; establishment of the Department of Palliative Medicine, etc.

Last year, the Academic Senate of the Faculty met in 9 regular and 3 extraordinary sessions.

In this demanding period, the Academic Senate is with Prof. MUDr. M. Vokurka, CSc., and the management of the Faculty all the way.

The Senate members point out that the membership of the Academic Senate is a honorary and unsalaried position, which does not involve any profits or benefits.

## COMPOSITION OF THE ACADEMIC SENATE (FOR THE TERM OF 2019–2022)

**Chairman:** Prof. MUDr. Jan Betka, DrSc.

**Vice-Chairman:** David Kulišiak

### Teachers' representatives:

MUDr. Yvona Angerová, Ph.D., MBA  
Prof. MUDr. Jan Betka, DrSc.  
Prof. MUDr. Radan Brůha, CSc.  
MUDr. Jan Bříza, CSc., MBA  
Assoc. Prof. MUDr. Štěpán Havránek, Ph.D.  
Prof. MUDr. Tomáš Honzík, Ph.D.  
Prof. MUDr. Zdeněk Krška, DrSc.

Prof. MUDr. Jaroslav Lindner, CSc.  
Prof. MUDr. Alois Martan, DrSc.  
Prof. MUDr. Pavel Pafko, DrSc.  
Prof. MUDr. Antonín Pařízek, CSc.  
Prof. MUDr. Jiří Raboch, DrSc.  
Prof. MUDr. Karel Smetana, DrSc.  
Prof. MUDr. Michal Vrablík, Ph.D.  
Prof. MUDr. Aleš Žák, DrSc.

### Students' representatives:

MUDr. Simona Arientová, Ph.D., MBA  
MUDr. Eitan Brizman, BDS, until 14 Sep 2020  
Vít Čapoun  
Jakub Danzig  
Christian Joachim Entenmann  
Allen Fishman  
David Kulišiak  
MUDr. et MUDr. Karel Klíma, Ph.D.  
Assoc. Prof. MUDr. Ondřej Naňka, Ph.D., until 19 Oct 2020

PaedDr. Josef Marcoň  
Lukáš Panenka  
Martin Pehr  
Alexandros Psarris Spyridon  
MUDr. Otakar Raška, Ph.D.  
Natálie Sádovská  
Daria Vasilyeva  
Maximilian Woellersdorfer  
Assoc. Prof. MUDr. Lukáš Zlatohlávek, Ph.D.,  
until 14 Sep 2020

## MANAGEMENT OF THE FACULTY

**Dean:** Prof. MUDr. Martin Vokurka, CSc.

### Vice-Deans:

MUDr. Eitan Brizman, BDS,  
*Vice-Dean for International Students Studying in English*  
Assoc. Prof. MUDr. Andrea Burgetová, Ph.D.,  
*Vice-Dean for Education in General Medicine*  
Prof. MUDr. Jana Dušková, DrSc., MBA,  
*Vice-Dean for Admission Procedures*  
Prof. MUDr. René Foltán, Ph.D.,  
*Vice-Dean for Stomatology / Dentistry*  
Prof. MUDr. Otomar Kittnar, CSc., MBA,  
*Vice-Dean for Development of the Faculty and Public Relations*  
Prof. MUDr. Pavel Klener, Ph.D.,  
*Vice Dean for Scientific Work and Academic Degrees*

Assoc. Prof. MUDr. Petra Lišková, MD, Ph.D.,  
*Vice-Dean for Grant Projects*  
Prof. PhDr. Michal Miovský, Ph.D.,  
*Vice-Dean for Non-Medical Study Programmes*  
Prof. MUDr. Aleksi Šedo, DrSc.,  
*Vice-Dean for International Relations*  
Assoc. Prof. MUDr. Lukáš Zlatohlávek, Ph.D.,  
*Vice-Dean for Postgraduate Doctoral Studies*  
doc. MUDr. Lukáš Zlatohlávek, Ph.D.,  
*proděkan pro doktorská studia*

### Members of Dean's Office Board:

Prof. MUDr. Jan Betka, DrSc.  
Prof. MUDr. Jan Bělohlávek, Ph.D.  
Prof. MUDr. David Feltl, Ph.D.  
Assoc. Prof. MUDr. Tomáš Grus, Ph.D.  
Assoc. Prof. MUDr. Tomáš Kučera, Ph.D.  
MUDr. Mikuláš Mlček, Ph.D.  
Ing. Ivan Mikula, Ph.D.

Ing. Eva Soubustová, MBA  
Prof. MUDr. Jan Škrha, DrSc.  
Prof. MUDr. Martina Vašáková, Ph.D.  
MUDr. Martin Vejražka, Ph.D.  
David Kulišiak – representative of students from  
the Academic Senate of the Faculty



## SCIENTIFIC BOARD

### Composition of the Scientific Council of the First Faculty of Medicine of Charles University as valid until 31<sup>st</sup> October 2020

#### Members from the Faculty:

- Prof. MUDr. Aleksi Šedo, DrSc.,  
*Institute of Biochemistry and Experimental Oncology,  
First Faculty of Medicine, Charles University*
- Prof. MUDr. Vladimír Bencko, DrSc.,  
*Institute of Biochemistry and Experimental Oncology,  
First Faculty of Medicine, Charles University*
- Prof. MUDr. Vladimír Beneš, DrSc.,  
*Department of Neurosurgery and Neurooncology,  
First Faculty of Medicine, Charles University and Military University Hospital Prague*
- Assoc. Prof. Mgr. Karel Černý, Ph.D.,  
*Institute for History of Medicine and Foreign Languages,  
First Faculty of Medicine, Charles University*
- Prof. MUDr. Jan Daneš, CSc.,  
*Department of Radiology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. Pavel Dundr, Ph.D.,  
*Institute of Cellular Biology and Pathology,  
First Faculty of Medicine, Charles University*
- Prof. MUDr. Pavel Dungal, DrSc.,  
*Department of Orthopaedics, First Faculty of Medicine,  
Charles University and Bulovka University Hospital*
- Prof. MUDr. Jana Dušková, DrSc.,  
*Department of Stomatology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. René Foltán, Ph.D.,  
*Department of Stomatology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. Miloš Grim, DrSc.,  
*Institute of Anatomy, First Faculty of Medicine,  
Charles University*
- Prof. MUDr. Zdeněk Hájek, DrSc.,  
*Department of Obstetrics and Gynaecology, First Faculty  
of Medicine, Charles University and General University Hospital  
in Prague*
- Prof. MUDr. Jarmila Heissigerová, Ph.D.,  
*Department of Ophthalmology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Assoc. Prof. MUDr. David Hoskovec, Ph.D.,  
*1<sup>st</sup> Department of Surgery, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. Otomar Kittnar, CSc.,  
*Institute of Physiology, First Faculty of Medicine,  
Charles University*
- Prof. MUDr. Pavel Klener, Ph.D.,  
*1<sup>st</sup> Department of Medicine, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Assoc. Prof. MUDr. Radim Kočvara, CSc.,  
*Department of Urology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. RNDr. Libuše Kolářová, CSc.,  
*Institute of Immunology and Microbiology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. Ivan Landor, CSc.,  
*1<sup>st</sup> Department of Orthopaedics, First Faculty of Medicine,  
Charles University and University Hospital Motol*
- Prof. MUDr. Robert Lischke, Ph.D.,  
*3<sup>rd</sup> Department of Surgery, First Faculty of Medicine,  
Charles University and University Hospital Motol*
- Prof. MUDr. Soňa Nevšimalová, DrSc.,  
*Department of Neurology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. Hana Papežová, DrSc.,  
*Department of Psychiatry, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. Karel Pavelka, DrSc.,  
*Department of Rheumatology, First Faculty of Medicine,  
Charles University and Rheumatology Institute*
- Assoc. Prof. MUDr. PhDr. Jan Payne, Ph.D.,  
*Institute for Medical Humanities, First Faculty of Medicine,  
Charles University*
- Prof. MUDr. František Perlík, DrSc.,  
*Institute of Pharmacology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. Luboš Petruželka, CSc.,  
*Department of Oncology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. Evžen Růžička, DrSc.,  
*Department of Neurology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. Štěpán Svačina, DrSc.,  
*3<sup>rd</sup> Department of Medicine, First Faculty of Medicine, Charles  
University and General University Hospital in Prague*
- Prof. MUDr. Jiří Štork, CSc.,  
*Department of Dermatology and Venereology, First Faculty of  
Medicine, Charles University and General University Hospital  
in Prague*
- Prof. MUDr. Vladimír Tesař, DrSc.,  
*Department of Nephrology, First Faculty of Medicine,  
Charles University and General University Hospital in Prague*
- Prof. MUDr. Marek Trněný, CSc.,  
*1<sup>st</sup> Department of Medicine, First Faculty of Medicine, Charles  
University and General University Hospital in Prague*
- Prof. MUDr. Libor Vitek, Ph.D.,  
*4<sup>th</sup> Department of Medicine and Central Research Laboratories,  
First Faculty of Medicine, Charles University and General  
University Hospital in Prague*
- Prof. MUDr. Martin Vokurka, CSc.,  
*Institute of Pathological Physiology, First Faculty of Medicine,  
Charles University*

Prof. MUDr. Sergej Zacharov, Ph.D.,  
*Department of Occupational Medicine, First Faculty  
 of Medicine, Charles University and General University Hospital  
 in Prague*

#### **External members:**

Prof. RNDr. Pavel Anzenbacher, DrSc.,  
*Institute of Pharmacology of the Medical Faculty of Palacký  
 University and University Hospital Olomouc*  
 RNDr. Martin Bilej, DrSc.,  
*Institute of Microbiology of Academy of Sciences  
 of the Czech Republic*  
 Prof. MUDr. Radim Brdička, DrSc.,  
*Institute of Haematology and Blood Transfusion*  
 Prof. MUDr. RNDr. Miroslav Červinka, CSc.,  
*Medical Faculty of Charles University in Hradec Králové*  
 Prof. MUDr. David Feltl, Ph.D.,  
*General University Hospital in Prague*  
 Assoc. Prof. MUDr. Vojtěch Hainer, CSc.,  
*Institute of Endocrinology*  
 Prof. RNDr. Milan Kodíček, CSc.,  
*Czech Technical University, Institute of Biochemistry  
 and Microbiology*  
 Prof. MUDr. Milan Kolář, Ph.D.,  
*Medical Faculty of Palacký University in Olomouc*  
 Prof. MUDr. Zdeněk Kolář, DrSc.,  
*Institute of Pathology the Medical Faculty  
 of Palacký University in Olomouc*  
 RNDr. Jaroslav Kuneš, DrSc.,  
*Institute of Physiology of Academy of Sciences  
 of the Czech Republic*  
 Assoc. Prof. MUDr. Beatrice Duchoňová Mohelníková, Ph.D.,  
*Department of Oncology of University Hospital Olomouc*

Prof. MUDr. Jiří Zeman, DrSc.,  
*Department of Pediatrics and Inherited Metabolic Disorders,  
 First Faculty of Medicine, Charles University and General  
 University Hospital in Prague*

Prof. MUDr. Jindřich Mourek, DrSc.,  
*Faculty of Health and Social Sciences of University  
 of South Bohemia in České Budějovice*  
 RNDr. Šárka Němečková, DrSc.,  
*Institute of Haematology and Blood Transfusion, Prague*  
 Prof. Ing. Rudolf Poledne, CSc.,  
*Institute of Clinical and Experimental Medicine*  
 Prof. MUDr. Roman Prymula, CSc.,  
*Ministry of Health of the Czech Republic*  
 Ing. Zdeňka Sedláková, CSc.,  
*Institute of Macromolecular Chemistry of Academy  
 of Sciences of the Czech Republic*  
 Assoc. Prof. RNDr. Ondřej Slabý, Ph.D.,  
*Central European Institute of Technology and Faculty  
 of Medicine of Masaryk University*  
 Prof. MUDr. Martin Smrčka, Ph.D.,  
*University Hospital Brno*  
 Prof. MUDr. Josef Syka, DrSc.,  
*Institute of Experimental Medicine of Academy  
 of Sciences of the Czech Republic*  
 Prof. MUDr. Pavel Šlampa, CSc.,  
*Department of Radiation Oncology, Masaryk Oncological  
 Institute Brno*  
 Assoc. Prof. MUDr. Jan Veverka, CSc.,  
*Private Stomatological Centre*

#### **Composition of the Scientific Council of the First Faculty of Medicine of Charles University as valid since 1<sup>st</sup> November 2020**

##### **Members from the Faculty:**

Prof. MUDr. Martin Vokurka, CSc.,  
*Institute of Pathological Physiology, First Faculty of Medicine,  
 Charles University*  
 Assoc. Prof. MUDr. Martin Anders, Ph.D.,  
*Department of Psychiatry, First Faculty of Medicine,  
 Charles University, and General University Hospital in Prague*  
 Prof. MUDr. Vladimír Beneš, DrSc.,  
*Department of Neurosurgery and Neurooncology,  
 First Faculty of Medicine, Charles University,  
 and the Military University Hospital in Prague*  
 Prof. MUDr. Petr Cetkovský, Ph.D.,  
*Institute of Clinical and Experimental Haematology,  
 First Faculty of Medicine, Charles University, and Institute  
 of Haematology and Blood Transfusion*  
 Prof. MUDr. David Cibula, CSc.,  
*Department of Obstetrics and Gynaecology,*

*First Faculty of Medicine, Charles University and General  
 University Hospital in Prague*  
 Assoc. Prof. MUDr. Karel Černý, Ph.D.,  
*Institute of History of Medicine and Foreign Languages,  
 First Faculty of Medicine, Charles University*  
 Prof. MUDr. Jan Daneš, CSc.,  
*Department of Radiology, First Faculty of Medicine,  
 Charles University and General University Hospital in Prague*  
 Prof. MUDr. Pavel Dundr, Ph.D.,  
*Institute of Pathology, First Faculty of Medicine,  
 Charles University and General University Hospital in Prague*  
 Prof. MUDr. René Foltán, Ph.D.,  
*Department of Stomatology, First Faculty of Medicine,  
 Charles University and General University Hospital in Prague*  
 Prof. MUDr. Tomáš Hanuš, DrSc.,  
*Department of Urology, First Faculty of Medicine,  
 Charles University and General University Hospital in Prague*

Prof. MUDr. Jarmila Heissigerová, Ph.D.,  
*Department of Ophthalmology, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Michal Holub, Ph.D.,  
*Department of Infectious Diseases, First Faculty of Medicine, Charles University and the Military University Hospital in Prague*  
 Assoc. Prof. MUDr. David Hoskovec, Ph.D.,  
*1<sup>st</sup> Department of Surgery, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Otomar Kittnar, CSc.,  
*Institute of Physiology, First Faculty of Medicine, Charles University*  
 Prof. MUDr. Pavel Klener, Ph.D.,  
*Institute of Pathologic Physiology, First Faculty of Medicine, Charles University*  
 Prof. RNDr. Libuše Kolářová, CSc.,  
*Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Michal Kršek, CSc.,  
*3<sup>rd</sup> Department of Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Ivan Landor, CSc.,  
*Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol*  
 Prof. MUDr. Aleš Linhart, DrSc.,  
*2<sup>nd</sup> Department of Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Robert Lischke, Ph.D.,  
*3<sup>rd</sup> Department of Surgery, First Faculty of Medicine, Charles University and University Hospital Motol*  
 Prof. MUDr. Pavel Martásek, DrSc.,  
*BIOCEV, Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Pavel Michálek, Ph.D.,  
*Department of Anaesthesiology, Resuscitation and Intensive Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Assoc. Prof. MUDr. Ondřej Naňka, Ph.D.,  
*Institute of Anatomy, First Faculty of Medicine, Charles University*  
 Prof. MUDr. Karel Pavelka, DrSc.,  
*Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute*  
 Prof. MUDr. Luboš Petruželka, CSc.,  
*Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague*

#### **External members:**

Prof. MUDr. Pavel Anzenbacher, DrSc.,  
*Institute of Pharmacology the Medical Faculty of Palacký University and University Hospital Olomouc*  
 RNDr. Martin Bilej, DrSc.,  
*Institute of Microbiology of Academy of Sciences of the Czech Republic*  
 Prof. MUDr. Jiří Ehrmann, Ph.D.,  
*Institute of Clinical and Molecular Pathology of the Medical Faculty of Palacký University and University Hospital Olomouc*

Prof. MUDr. Jan Plzák, Ph.D.,  
*Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol*  
 Prof. MUDr. Evžen Růžička, DrSc.,  
*Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Ondřej Slanař, Ph.D.,  
*Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Štěpán Svačina, DrSc.,  
*3<sup>rd</sup> Department of Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Ondřej Šeda, Ph.D.,  
*Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Aleksi Šedo, DrSc.,  
*Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University*  
 Prof. MUDr. Jiří Štork, CSc.,  
*Department of Dermatology and Venereology, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Vladimír Tesař, DrSc.,  
*Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Marek Trněný, CSc.,  
*1<sup>st</sup> Department of Medicine First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Martina Vašáková, Ph.D.,  
*Department of Respiratory Medicine, First Faculty of Medicine, Charles University and Thomayer University Hospital*  
 Prof. MUDr. Libor Vitek, Ph.D.,  
*Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - the First Faculty of Medicine, and General University Hospital*  
 Prof. MUDr. Sergej Zacharov, Ph.D.,  
*Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague*  
 Prof. MUDr. Jiří Zeman, DrSc.,  
*Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague*

Prof. MUDr. David Feltl, Ph.D.,  
*General University Hospital in Prague*  
 Assoc. Prof. MUDr. Vojtěch Hainer, CSc.,  
*Institute of Endocrinology, Prague*  
 Prof. MUDr. Kateřina Kaňková, Ph.D.,  
*Institute of Pathological Physiology of the Medical Faculty of Masaryk University*  
 Prof. MUDr. Milan Kolář, Ph.D.,  
*Medical Faculty of Palacký University in Olomouc*

RNDr. Vladimír Kořínek, CSc., Institute of Molecular Genetics  
of Academy of Sciences of the Czech Republic

Prof. MUDr. Rom Kostřica, CSc.,  
*Department of Otorhinolaryngology, Head and Neck Surgery  
of the Medical Faculty of Masaryk University  
and St. Ann University Hospital*

Assoc. Prof. MUDr. Beatrič Mohelníková Duchoňová, Ph.D.,  
*Department of Oncology of the Medical Faculty  
of Palacký University and University Hospital Olomouc*

RNDr. Šárka Němečková, DrSc.,  
*Institute of Haematology and Blood Transfusion*

Prof. MUDr. Roman Prymula, CSc.

Prof. Ing. Rudolf Poledne, CSc.,  
*Institute of Clinical and Experimental Medicine*

Prof. Ing. Tomáš Ruml, CSc.,  
*Institute of Biochemistry and Microbiology of the University  
of Chemistry and Technology*

Ing. Zdeňka Sedláková, CSc.,  
*Institute of Macromolecular Chemistry of the Academy  
of Sciences of the Czech Republic ČR*

Prof. Ing. Vladimír Setnička, Ph.D.,  
*Faculty of Chemical Engineering of the University  
of Chemistry and Technology, Institute of Analytic Chemistry*

Prof. MUDr. Martin Smrčka, Ph.D.,  
*Department of Neurosurgery of the Medical Faculty  
of Masaryk University and University Hospital Brno-Bohunice*

Mgr. Jaroslav Truksa, Ph.D., BIOCEV,  
*Institute of Biotechnology of the Academy of Sciences  
of the Czech Republic*

Prof. Ing. Michael Valášek, DrSc.,  
*Faculty of Mechanical Engineering  
of the Czech Technical University*

Assoc. Prof. MUDr. Dalibor Valík, Ph.D.,  
*Department of Paediatric Oncology of the Medical Faculty  
of Masaryk University; Institute of Pharmacology  
of the Medical Faculty of Masaryk University*

Assoc. Prof. MUDr. Jan Veverka, CSc.,  
*Private Stomatological Centre*

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



*Prof. MUDr. Otomar Kittnar, CSc., MBA,  
Vice-Dean for Development of the Faculty*

After the new management of the Faculty had taken over, fundamental objectives of strategic development of the Faculty for the nearest future. In particular, they involve development of modern methods of education and improvement of competences of both the teachers and graduates, and in the sphere of science mainly innovation of scientific infrastructure, creation of conditions for higher success rate of doctoral studies, support for post-docs and professionalization of grant and project applications.

In operational programmes of EU funds, no significant calls occurred that would be relevant for us. Similarly, neither in the next year we expect further calls to submit new projects, so just last year it will be necessary to concentrate on successful implementation of the oncoming projects. The only remarkable initiative was restoration of one of the only few skeletons of the northern minke whale, which is found in the museum of normal and comparative anatomy at the Institute of Anatomy. During the restoration, also innovated was the form of presentation of the skeleton, which now is lit by spotlights, and the audio-visual equipment is new as well. The restoration was enabled thanks to the financial subsidy of the Ministry of Culture of the Czech Republic and several donations.

In the project of Campus Albertov, everything for our part was ready so that archaeological exploration of the construction site and subsequently excavation work for the foundations could start during the summer months, but considering the still unresolved issue of financing the project for the part of the authorities of the state. Nevertheless, the work on the project design is still proceeding according to the schedule. At the end of the year, the decision authorizing the use of the site was issued for the building of the Biocentre, and now the documents necessary to receive the construction permission are being prepared, with really intensive participation of experts and guarantors from the faculties involved.

Dynamic is also the development of the BIOCEV institute, which primarily deals with basic medical research. The institute provides optimum conditions for achievement of the research goals defined by the project BIOCEV, which was launched at the new estate in January 2016.

### Survey of changes in management of organizational units in 2020

Unit	New Head / Manager
Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital	Assoc. Prof. MUDr. Martin Anders, Ph.D.
Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital	Prof. MUDr. David Netuka, Ph.D.
1 <sup>st</sup> Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital	Prof. MUDr. Petr Urbánek, CSc.
Institute of Scientific Information, First Faculty of Medicine, Charles University and General University Hospital	PhDr. David Horváth, Ph.D., MBA

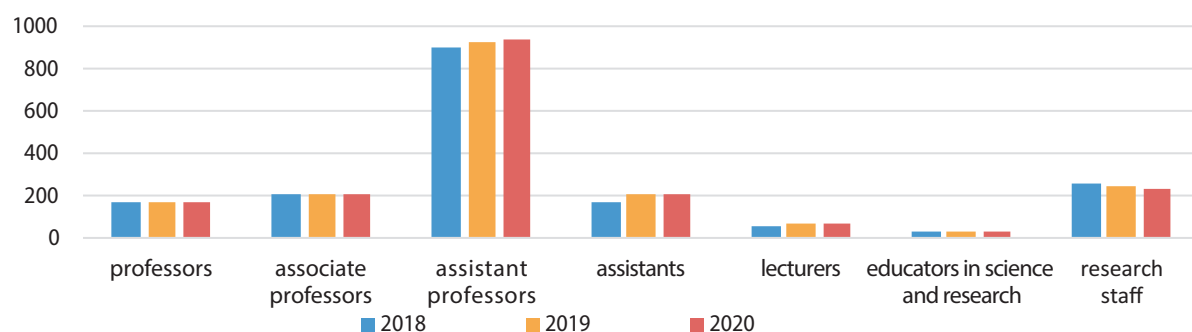


## Number of scientific and educational staff between 2018 and 2020

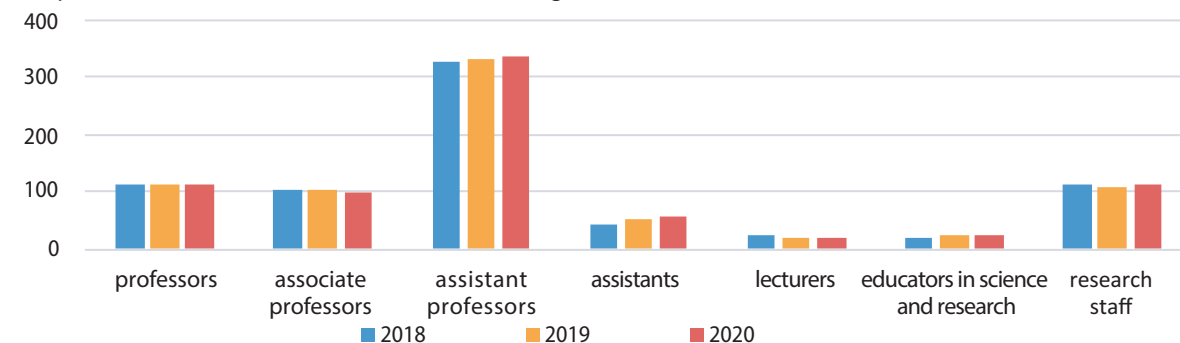
	2018		2019		2020	
	Actual number of staff	Average converted	Actual number of staff	Average converted	Actual number of staff	Average converted
Professors	164	112,263	166	114,263	167	113,714
Associate professors	195	102,975	199	103,222	196	100,743
Assistant professors	896	329,799	923	331,683	927	336,121
Assistants	164	44,825	196	54,543	196	56,44
Lecturers	52	22,338	60	20,088	64	20,244
Educators in science and research	27	21,721	28	24,605	26	23,05
Research staff	249	112,193	239	110,096	227	114,344
<b>Total</b>	<b>1747</b>	<b>746,114</b>	<b>1811</b>	<b>758,5</b>	<b>1803</b>	<b>764,656</b>

The actual number of staff is always stated by 31<sup>st</sup> December of the respective year.

## Composition of scientific and educational staff – actual numbers



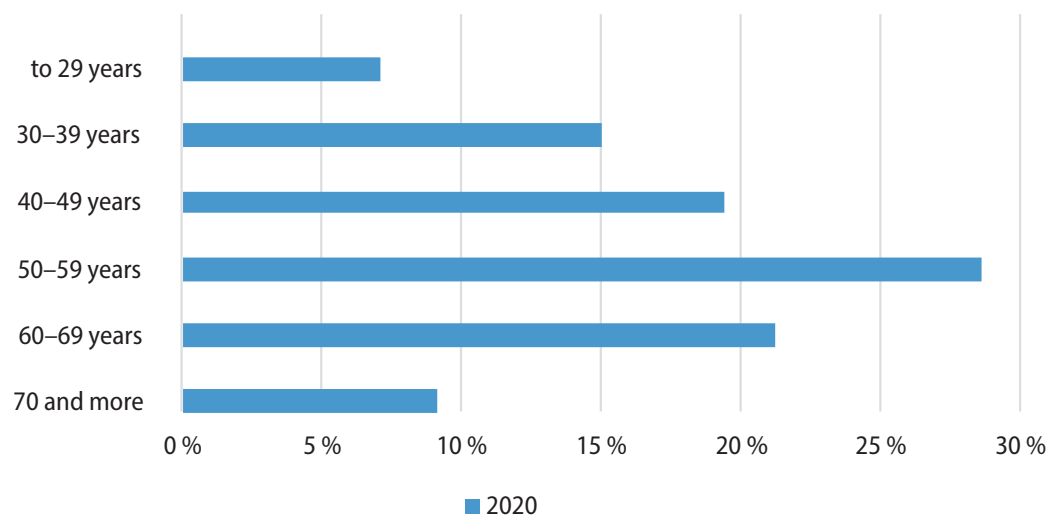
## Composition of scientific and educational staff –average converted numbers



## Survey of composition of the staff by age in 2019–2020

Age	Percentage	
	2019	2020
under 29 years	8,83	9,09
30–39 years	22,83	21,19
40–49 years	28,27	28,50
50–59 years	17,83	19,33
60–69 years	15,59	14,90
70 and more	6,65	7,00
<b>Total</b>	<b>100</b>	<b>100</b>

## Survey of composition of the staff by age







In the sessions of the Scientific Board of the First Faculty of Medicine during 2020, the total number of 9 procedures for appointment to professor posts were performed, 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 discussed 11 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 2020 the President of the Czech Republic appointed 13 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 11 habilitation procedures. In 2020, the Rector of Charles University appointed 9 Associate Professors who had passed the habilitation procedures at the First Faculty of Medicine of Charles University in Prague.

The number of the procedures performed was influenced by the specific situation due to the COVID-19 pandemics. In in-person sessions, the members of the Scientific Board of the First Faculty of Medicine of Charles University gathered four times, twice the sessions were held in a combined form, and four sessions were cancelled.

Numbers of appointment procedures passed in the Scientific Board of the First Faculty of Medicine between 1997 and 2020

Professors												
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	1	5	0	7	7	7	13	11	14	15	13	7
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	9	7	12	19	6	9	7	6	9	9	11	9
Associate professors												
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	14	12	3	10	15	16	16	16	18	17	17	17
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	12	18	7	16	18	15	10	17	16	17	15	11

Professors appointed in 2020

Name, establishment	Field	Scientific Board of the Faculty	Scientific Board of the University	Appointed with the effect from
<b>Assoc. Prof. MUDr Jan Bělohávek, Ph.D.</b> 2 <sup>nd</sup> Department of Medicine - Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	Internal medicine	30 Apr 2019	30 Jan 2020	17 June 2020

Name, establishment	Field	Scientific Board of the Faculty	Scientific Board of the University	Appointed with the effect from
<b>Assoc. Prof. MUDr. Daniela Fischerová, Ph.D.</b> Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Obstetrics and gynaecology	28 May 2019	19 Dec 2019	17 June 2020
<b>Assoc. Prof. MUDr. Marian Kacerovský, Ph.D.</b> Department of Obstetrics and Gynaecology, Faculty of Medicine in Hradec Králové, Charles University, and University Hospital Hradec Králové	Obstetrics and gynaecology	26 Mar 2019	28 Nov 2019	17 June 2020
<b>Assoc. Prof. Ing Jan Kremláček, Ph.D.</b> Department of Medical Biophysics, Faculty of Medicine in Hradec Králové, Charles University	Medical biophysics	22 Oct 2019	27 Feb 2020	17 June 2020
<b>Assoc. Prof. MUDr. Martin Vališ, Ph.D.</b> Department of Neurology, Faculty of Medicine in Hradec Králové, Charles University; and University Hospital Hradec Králové	Neurology	22 Oct 2019	27 Feb 2020	17 June 2020
<b>Assoc. Prof. MUDr. Tomáš Zelinka, CSc.</b> 3 <sup>rd</sup> Department of Medicine - Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	Internal medicine	24 Sep 2019	30 Jan 2020	17 June 2020
<b>Assoc. Prof. Ing. Jaroslav Hrabák, Ph.D.</b> Biomedical Centre, Faculty of Medicine in Plzeň, Charles University Institute of Microbiology, Faculty of Medicine in Plzeň, Charles University, and University Hospital Plzeň	Medical immunology and microbiology	30 June 2020	22 Oct 2020	15 Dec 2020
<b>Assoc. Prof. MUDr. Pavel Klener, Ph.D.</b> Institute of Pathological Physiology, First Faculty of Medicine, Charles University 1 <sup>st</sup> Department of Medicine - Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Internal medicine	25 Feb 2020	25 June 2020	15 Dec 2020
<b>Assoc. Prof. MUDr Jan Křhut, Ph.D.</b> Department of Urology, Faculty of Medicine, University of Ostrava; and University Hospital Ostrava	Urology	28 Jan 2020	25 June 2020	15 Dec 2020
<b>Assoc. Prof. MUDr Jan Martinek, Ph.D.</b> Institute of Clinical and Experimental Medicine – Department of Hepatogastroenterology Institute of Physiology, First Faculty of Medicine, Charles University	Internal medicine	28 Jan 2020	25 June 2020	15 Dec 2020
<b>Assoc. Prof. MUDr. Viktor Soukup, Ph.D.</b> Department of Urology, First Faculty of Medicine, Charles University; and General University Hospital in Prague	Urology	26 Nov 2019	28 May 2020	15 Dec 2020
<b>Assoc. Prof. MUDr. Petra Svožilková, Ph.D.</b> Department of Ophthalmology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Ophthalmology	30 June 2020	22 Oct 2020	15 Dec 2020
<b>Assoc. Prof. MUDr. Martin Vokurka, CSc.</b> Institute of Pathological Physiology, First Faculty of Medicine, Charles University	Pathological physiology	30 June 2020	24 Sep 2020	15 Dec 2020

## PROCEDURES FOR APPOINTMENT TO PROFESSOR POSTS PERFORMED AT THE SCIENTIFIC BOARD OF THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY IN 2020

### **Assoc. Prof. MUDr Jan Krhut, Ph.D.**

Department of Urology, Faculty of Medicine, University of Ostrava; and University Hospital Ostrava

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

Scientific Board of the First Faculty of Medicine of Charles University on: 28 Jan 2020

Title of the lecture: Hyperactive urinary bladder

*Scientific Board of Charles University on: 25 June 2020*

### **Assoc. Prof. MUDr Jan Martínek, Ph.D.**

Institute of Clinical and Experimental Medicine – Department of Hepatogastroenterology

Institute of Physiology, First Faculty of Medicine, Charles University

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

Scientific Board of the First Faculty of Medicine of Charles University on: 28 Jan 2020

Title of the lecture: Endoscopic Surgery – a dramatically developing specialty

*Scientific Board of Charles University on: 25 June 2020*

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

Institute of Pathological Physiology, First Faculty of Medicine, Charles University

1<sup>st</sup> Department of Medicine – Department of Haematology, 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: 25 Feb 2020

Title of the lecture: Mantle cell lymphoma: development of knowledge of pathophysiology and scope of therapies in the past 20 years

*Scientific Board of Charles University on: 25 June 2020*

### **Assoc. Prof. MUDr. Petra Svožílková, Ph.D.**

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

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

Scientific Board of the First Faculty of Medicine of Charles University on: 30 June 2020

Title of the lecture: New approaches to treatment of non-infectious uveitis

*Scientific Board of Charles University on: 22 Oct 2020*

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

Institute of Pathological Physiology, First Faculty of Medicine, Charles University

Appointment procedure in the field of: **Pathological physiology**

Scientific Board of the First Faculty of Medicine of Charles University on: 30 June 2020

Title of the lecture: Iron: importance for the organism, regulation and disorders

*Scientific Board of Charles University on: 24 Sep 2020*

### **Assoc. Prof. Ing. Jaroslav Hrabák, Ph.D.**

Biomedical Centre, Faculty of Medicine in Plzeň, Charles University

Institute of Microbiology, Faculty of Medicine in Plzeň, Charles University, and University Hospital Plzeň

Appointment procedure in the field of:

**Medical immunology and microbiology**

Scientific Board of the First Faculty of Medicine of Charles University on: 30 June 2020

Title of the lecture: New technologies in clinical microbiological diagnostics with special focus on detection of resistance to antibiotics

*Scientific Board of Charles University on: 22 Oct 2020*

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

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

Appointment procedure in the field of:

**Occupational medicine**

Scientific Board of the First Faculty of Medicine of Charles University on: 22 Sep 2020

Title of the lecture: Methanol intoxication: clinical aspects, prognosis, treatment and long-term consequences

*Scientific Board of Charles University on: 26 Nov 2020*

### **Assoc. Prof. MUDr. Pavel Jansa, Ph.D.**

2nd Department of 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: 25 Nov 2020

Title of the lecture: Balloon catheter lung angioplasty in treatment of chronic thromboembolic pulmonary hypertension

*Scientific Board of Charles University on: 25 Feb 2021*

### **Assoc. Prof. MUDr. Vojtěch Melenovský, CSc.**

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

Institute of Clinical and Experimental Medicine – Department of Cardiology

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

Scientific Board of the First Faculty of Medicine of Charles University on: 16 Dec 2020

Title of the lecture: Pheochromocytoma – a tumour joining endocrinologists and cardiologists

*Scientific Board of Charles University on: 29 Apr 2021*

## Associate professors appointed in 2020

Name, institution	Field	Title of the thesis	Defended at Scientific Board of the Faculty	Appointed with the effect from
<b>Mgr. Ondřej Bezdiček, Ph.D.</b> Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Neurology	Cognitive disorder and functional connectivity of the brain in Parkinson's disease	22 Oct 2019	1 Jan 2020
<b>MUDr. Jan Kříž, Ph.D.</b> Institute of Clinical and Experimental Medicine – Department of Diabetology	Internal medicine	New procedures in transplantation and imaging of islets of Langerhans	26 Nov 2019	1 Mar 2020
<b>MUDr. Tomáš Uher, Ph.D.</b> Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Neurology	Clinical relevance of brain atrophy measures in multiple sclerosis	26 Nov 2019	1 Mar 2020
<b>MUDr. Mariana Wohlfahrtová, Ph.D.</b> Institute of Clinical and Experimental Medicine –Transplantcentre, Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Internal medicine	Acute vascular rejection of transplanted kidney	25 Feb 2020	1 July 2020
<b>MUDr. Libor Janoušek, Ph.D.</b> 3rd Department of Surgery, First Faculty of Medicine, Charles University and University Hospital Motol; Institute of Clinical and Experimental Medicine – Department of Transplantation Surgery	Surgery	Results of liver transplantation in children	30 June 2020	1 Sep 2020
<b>MUDr. Michael Fanta, Ph.D.</b> Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Obstetrics and gynaecology	Hyperandrogenic states in women of fertile age	30 June 2020	1 Sep 2020
<b>MUDr. Tomáš Kučera, Ph.D.</b> Department of Orthopedic Surgery, Faculty of Medicine in Hradec Králové, Charles University; and University Hospital Hradec Králové	Orthopaedics	Chronic infection of hip and knee joint replacements	30 June 2020	1 Sep 2020
<b>RNDr. Jiří Hrdý, Ph.D.</b> Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Medical immunology and microbiology	Influence of early administration of probiotic E. coli O83:K24:H31 on incidence of allergy in predisposed children and possible mechanisms of action of E. coli O83:K24:H31 on the neonate immunity system	22 Sep 2020	1 Nov 2020
<b>MUDr. Lucie Kališová, Ph.D.</b> Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	Psychiatry	Stigmatizing methods of treatment and care in psychiatry	22 Sep 2020	1 Nov 2020



## HABILITATION PROCEDURES FOR APPOINTMENT TO ASSOCIATE PROFESSORS, PASSED IN THE SCIENTIFIC BOARD OF THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY IN 2020

### MUDr. Mariana Wohlfahrtová, Ph.D.

Institute of Clinical and Experimental Medicine – Transplant-centre, Department of Nephrology

Department of Nephrology, 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: 25 Feb 2020

Title of the lecture: Acute vascular rejection of transplanted kidney

*Appointed with the effect from 1 July 2020*

### MUDr. Libor Janoušek, Ph.D.

3rd Department of Surgery, First Faculty of Medicine, Charles University and University Hospital Motol;

Institute of Clinical and Experimental Medicine – Department of Transplantation Surgery

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

Scientific Board of the First Faculty of Medicine of Charles University on: 30 June 2020

Title of the lecture: Results of liver transplantation in children

*Appointed with the effect from 1 Sep 2020*

### MUDr. Michael Fanta, 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: 30 June 2020

Title of the lecture: Hyperandrogenic states in women of fertile age

*Appointed with the effect from 1 Sep 2020*

### MUDr. Tomáš Kučera, Ph.D.

Department of Orthopedic Surgery, Faculty of Medicine in Hradec Králové, Charles University; and University Hospital Hradec Králové

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

Scientific Board of the First Faculty of Medicine of Charles University on: 30 June 2020

Title of the lecture: Chronic infection of hip and knee joint replacements

*Appointed with the effect from 1 Sep 2020*

### RNDr. Jiří Hrdý, Ph.D.

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

Habilitation procedure in the field of:

**Medical immunology and microbiology**

Scientific Board of the First Faculty of Medicine of Charles University on: 22 Sep 2020

Title of the lecture: Influence of early administration of probiotic E. coli O83:K24:H31 on incidence of allergy in predisposed children and possible mechanisms of action of E. coli O83:K24:H31 on the neonate immunity system

*Appointed with the effect from 1 Nov 2020*

### MUDr. Lucie Kališová, Ph.D.

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

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

Scientific Board of the First Faculty of Medicine of Charles University on: 22 Sep 2020

Title of the lecture: Stigmatizing methods of treatment and care in psychiatry

*Appointed with the effect from 1 Nov 2020*

### MUDr. Filip Burget, Ph.D.

1<sup>st</sup> Department of Surgery – Department of Abdominal, Thoracic Surgery and Traumatology, First Faculty of Medicine, Charles University and General University Hospital in Prague

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

Scientific Board of the First Faculty of Medicine of Charles University on: 25 Nov 2020

Title of the lecture: State of readiness of hospitals for crisis management in case of mass disaster, with special focus on terrorist attack

*Appointed with the effect from 1 Feb 2021*

### MUDr. Zdeněk Čada, Ph.D.

Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol

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

Scientific Board of the First Faculty of Medicine of Charles University on: 25 Nov 2020

Title of the lecture: Vestibular compensation in unilateral peripheral vestibular lesion

*Appointed with the effect from 1 Feb 2021*

### MUDr. Jana Ježková, Ph.D.

3<sup>rd</sup> Department of 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: 28 May 2019

Title of the lecture: Use of stereotactic radiosurgery in treatment of pituitary adenomas in the view of an endocrinologist

*Appointed with the effect from 1 Feb 2021*



**Mgr. et Ing. Blanka Stibůrková, Ph.D.**

Institute of Rheumatology Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague

Habilitation procedure in the field of:

**Medical biology and genetics**

Scientific Board of the First Faculty of Medicine of Charles University on: 16 Dec 2020

Title of the lecture: Genetic underlying factors of primary hyperuricemia and gout

*Appointed with the effect from 1 Mar 2021*

**MUDr. Jiří Kubeš, Ph.D.**

Institute of Radiation Oncology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague Proton centre

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

Scientific Board of the First Faculty of Medicine of Charles University on: 16 Dec 2020

Title of the lecture: The scope of influencing the therapeutic ratio in radiation oncology

*Appointed with the effect from 1 Apr 2021*

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

Field	Right to perform habilitation procedures till:	Right to perform procedures to appoint professors till:
Anatomy, histology and embryology	13 Oct 2029	13 Oct 2029
Anaesthesiology and resuscitation	15 Sep 2029	15 Sep 2029
Bioethics	11 Feb 2025	11 Feb 2025
History of medicine	31 July 2022	31 July 2022
Dermatovenereology	7 Jan 2025	7 Jan 2025
Obstetrics and gynaecology	31 Dec 2023	31 Dec 2023
Hygiene and epidemiology	15 Sep 2029	15 Sep 2029
Surgery	1 Nov 2023	1 Nov 2023
Infectious diseases	31 Dec 2023	31 Dec 2023
Cardiosurgery	31 May 2022	31 May 2022
Clinical biochemistry	1 Aug 2029	1 Aug 2029
Medical biophysics	31 Dec 2023	31 Dec 2023
Medical pharmacology	11 Aug 2029	11 Aug 2029
Medical physiology	31 Dec 2023	31 Dec 2023
Medical biology and genetics	1 Aug 2029	1 Aug 2029
Medical chemistry and biochemistry	31 Dec 2023	31 Dec 2023
Medical immunology and microbiology	1 Aug 2029	1 Aug 2029
Medical informatics	14 Aug 2029	14 Aug 2029
Medical psychology	15 Sep 2029	15 Sep 2029
Neurosurgery	15 Sep 2029	15 Sep 2029
Neurology	31 Dec 2023	31 Dec 2023
Nuclear medicine	15 Sep 2024	15 Sep 2024
Ophthalmology	1 Nov 2023	1 Nov 2023
Oncology	15 Sep 2029	15 Sep 2029
Orthopaedics	31 Dec 2023	31 Dec 2023
Otorhinolaryngology	15 Sep 2029	15 Sep 2029
Pathological physiology	13 Oct 2029	13 Oct 2029
Pathology	7 Jan 2030	7 Jan 2030
Paediatrics	10 Dec 2029	10 Dec 2029
Occupational medicine	31 Dec 2023	31 Dec 2023
Psychiatry	15 Sep 2029	15 Sep 2029
Radiology	31 Dec 2023	31 Dec 2023
Sexology	7 Jan 2025	7 Jan 2025

Field	Right to perform habilitation procedures till:	Right to perform procedures to appoint professors till:
Forensic medicine	13 Oct 2024	13 Oct 2024
Stomatology	11 Feb 2030	11 Feb 2030
Urology	1 Nov 2023	1 Nov 2023
Internal medicine	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 programmes of General Medicine and Dentistry
- Bachelor studies in the study programme of Specialization in Health Care in the fields of Addictology, Physiotherapy, Occupational therapy, Nutritional therapy
- Bachelor studies in the study programme of Midwifery in the field of Midwifery
- Follow-up Master studies in the study programme of Specialization in Health Care in the fields of Addictology, Intensive care, Occupational therapy, Specialist nutritional therapy

Study programmes the fields 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 more than 410 facultative subjects, 78 of which are taught in English language.

### ENTRANCE PROCEDURES AND CO-OPERATION WITH PROSPECTIVE

New students of General Medicine and Dentistry for the academic year 2020-2021 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 2,737 applications for the entrance procedure for the studies of General medicine and Dentistry, and another 1,817 applications for Bachelor programmes and follow-up Master programmes.

Because of the outbreak of COVID-19, an extra date of entrance examination was added for the study programmes of General

medicine and Dentistry so that the required distances between the applicants as well as other prescribed hygienic rules could be observed.

Without the entrance tests, 450 applicants were admitted to study General medicine (those with average secondary school marks at 1.10 or below), and 19 applicants for the Bachelor studies of Physiotherapy. In the entrance procedures for the academic year 2020-2021, six per cent more students were admitted for the studies of General medicine than in the years before, as due to the cancellation of studies of General medicine in the first year at the University of Ostrava so that the lack of places for medical students could be compensated for through co-operation with the other medical schools.

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 meant to predict the applicants' interest in the field.

Within the term provided by law, the Faculty received 56 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 11<sup>th</sup> January 2020, 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

Survey of the number of applicants and their results – Master degree medical programmes

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)
2014/2015	General medicine	3,580	2,470	469	210	300	70	89	3.60	4.46
	Dental medicine	1,134	851	55	287	300	95.66	36	4.23	4.44
	Total	4,714	3,321	524				125	3.76	4.45
2015/2016	General medicine	3,555	2,461	416	193	310	62.26	125	5.08 %	6.20
	Dental medicine	1,129	849	43	246	310	79.35	35	4.12	4.26
	Total	4,684	3,310	459				160	4.83	5.64
2016/2017	General medicine	3,290	2,005	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	4,262	2,669	484				129	4.83	5.20
2017/2018	General medicine	3,143	2,446	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	4,086	3,205	416				87	2.71	3.90
2018/2019	General medicine	2,560	1,748	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	3,236	2,230	509				78	3.50	5.96
2019/2020	General medicine	3,037	1,794	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	3,899	2,420	591				64	2.64	4.66
2020/2021	General medicine	2,737	1,717	482	100	270	37.04	23	1.34	5.20
	Dental medicine	888	691	50	152	270	56.30	12	1.74	1.94
	Total	3,625	2,408	532				35	1.45	3.30



*Prof. MUDr. Jana Dušková, DrSc., MBA,  
Vice-Dean for Admission Procedures*

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

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	1	1.92	5.88
	Physiotherapy – FF	522	438	25	75	100	75	5	1.14	1.30
	Nutritional therapy – FF	258	212	22	58	100	58	5	2.36	2.98
	Nutritional therapy– CF	212	127	30	50	100	50	4	3.15	4.35
	Midwifery – FF	207	178	20	56	100	56	3	1.69	2.13
	Total	1532								
2019/2020	Addictology – FF	226	181	28	93	150	62.00	7	3.87	5
	Addictology – CF	130	72	34	71	150	47.33	0	0	0
	Occupational therapy –FF	88	74	15	42	100	42	3	4.05	7.69
	Physiotherapy – FF	577	443	35	69	100	69	6	1.35	1.59
	Nutritional therapy – FF	302	243	17	61	100	61	1	0.41	0.51
	Nutritional therapy– CF	174	104	30	47	100	47	1	0.96	1.49
	Midwifery – FF	207	168	14	51	100	51	2	1.19	1.61
	Total	1704								

2020/2021	Addictology – FF	235	185	37	87	150	58	10	5.41	7.09
	Addictology – CF	199	130	41	87	150	58	0	0	0
	Occupational therapy – FF	138	131	22	46	100	46	0	0	0
	Physiotherapy – FF	555	457	35	71	100	71	5	1.09	1.28
	Nutritional therapy – FF	224	182	32	53	100	53	1	0.55	0.79
	Nutritional therapy – CF	162	101	41	41	100	41	0	0	0
	Midwifery – FF	171	135	26	42	100	42	1	0.74	1.20
	Total	1684								

### 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. 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).

### UNDERGRADUATE EDUCATION

In 2020, the tuition was affected by the epidemiologic situation due to the COVID-19 pandemics. The previous management of the Faculty must be given credits for coping with it, particularly so the vice-deans for education, Prof. MUDr. Martin Vokurka, CSc., and Prof. MUDr. Tomáš Hanuš, DrSc., who at the time of the first epidemic wave in the spring of 2020 managed to set up the mechanisms of tuition which we could develop further. It was one of the factors that enabled us to keep up tuition of the students throughout the pandemics time. Moreover, we employed the exception from the rules of tuition, provided by the government measures, which facilitated the teaching in practical and clinical subjects. Theoretical tuition and part of seminars were transformed to the distance form and gradually improved in the terms of both technology and subject matter. Experience of distance teaching lead us to further development of electronic educational resources for software support of tuition and self-study, which provides more space for enhancement of clinical tuition and training of practical skills.

The obstacles that we had to overcome while organizing the tuition during the pandemics did not discourage us from taking some conceptual steps. In clinical education, a reconstructed curriculum is being gradually implemented into the studies, which had been partly prepared by the previous management and whose priority is higher quality of clinical placements, more focused on gaining practical experience, and concentration of tuition and examination of all subjects that constitute the State Examination on the 6<sup>th</sup> year of studies. On the topic of changes in clinical education, many talks were performed with principal teachers of the respective subjects. Nearly all the talks went in the friendly co-operative spirit, although the arguments were often polarized. We owe many thanks especially to the heads and teams of those units who had to bear the doubled load of tuition in the current academic year. Regretfully, no consensus was reached regarding shifting the subject Neurosurgery or Oncology from the 5<sup>th</sup> to the 4<sup>th</sup> year of studies, which was basically due to the mostly valid arguments of the principal teachers, and so it was the brave and selfless consent of the teachers from the Department of Urology to transfer a subject from the 6<sup>th</sup> to the 4<sup>th</sup> year of studies, which was rather uncomfortable for the department, as it brought a double portion of students to teach not only in this academic year but again in 2021-2022.

In relation to the process of improvement of quality in clinical education, we defined the profile of the graduate as well as the minimum requirements in terms of knowledge and skills in particular subjects, including the definition of the bottom line of what the student is supposed to unconditionally master when finishing the subject. The curricula at the Faculty are continuously revised in terms of both the scope of the subjects taught and their subject matter, and with emphasis on close interdisciplinary links. We direct tuition in all disciplines towards building up the clinical thinking, develop clinical and practical tuition as much and as early as possible, as soon as in theoretical and pre-clinical subjects. In the 1<sup>st</sup> and 2<sup>nd</sup> years of studies,

*Assoc. Prof. MUDr. Burgetová, Ph.D., MBA,  
Vice-Dean for Education in General Medicine*



the facultative subject Simulation in nursing was introduced, which attracted much interest, and as many as 138 students attended it during the winter semester alone.

One characteristic feature connected with higher quality of clinical education and mastering more practical skills was the higher use of simulator tuition and extracurricular activities. Also the enhanced support of distance forms of tuition, preserving its quality in the sphere of gaining the theoretical knowledge, enables for extension of practical training. The Faculty purchased the licences for the electronic clinical educational system Amboss, with the objective of support of tuition, above all, for students of English parallel classes in their clinical years of study, but a piloting project with the same platform is being run in the Czech parallel classes as well. We updated the log-book of practical skills, and at the same time we improve the control of actual state of training for these skills.

The Department of Palliative Medicine was founded, whose role in the sphere of education will be, above all, enhancing the medical students' soft skills, which are as important as theoretical knowledge and practical skills.

Improving the quality of tuition, we also put emphasis on the development of our own pedagogical skills and systematically promote training events in this field, and some of our teachers passed similar courses abroad as well. We have been supporting and will support the courses focused on simulator tuition, mainly for teachers of clinical subjects.

In 2020, another evaluation of tuition took place. This is to provide feedback about the quality of education, using objective student surveys and direct communication with students. We launched the system of student delegates for each year of studies, who can solve the problems in tuition directly with the teachers in charge of the respective year of study and/or with vice-deans for student affairs, doing so with the objective of continuous inclusion of students in the process of improvement of tuition. Close co-operation of students with the Dean's Board, adjustment of organization of teaching with the aim of inter-connection of tuition within co-operation between particular clinical departments and theoretical institutes, enhancement of training in clinical skills and support for distance learning are undoubtedly positive features in the sphere of development of education at the First Faculty of Medicine. These trends are not only a good message for our students, both present and prospective, but also an obligation and challenge for the whole academic community.

#### Students – Czech nationals

Branch	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	5 <sup>th</sup> year	6 <sup>th</sup> year	7 <sup>th</sup> year	Total
General medicine	425	335	224	204	193	283	7	1,671
General medicine in English language (paying students)	2	2	1			3		8
Dentistry	46	36	41	37	46			206
Dentistry in English language (paying students)	1	3			1			5
Nursing – combined			2					2
Midwifery	24	13	9					46
Addictology – full-time	34	21	25					80
Addictology – combined	47	21	33					101
Occupational therapy	22	12	19					53

Branch	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	5 <sup>th</sup> year	6 <sup>th</sup> year	7 <sup>th</sup> year	Total
Physiotherapy	32	32	25					89
Nutritional therapy – full-time	32	9	18					59
Nutritional therapy – combined	38	25	30					93
Master – Occupational therapy – full-time		2						2
Master – Occupational therapy for adults – combined	27							27
Master – Intensive care – combined		36						36
Master – Nutritional therapy – full-time		12						12
Master – Nutritional therapy – combined	3	57						60
Master – Addictology – full-time		17						17
Master – Addictology – combined	35	53						88
<b>Total</b>	<b>768</b>	<b>686</b>	<b>427</b>	<b>241</b>	<b>240</b>	<b>286</b>	<b>7</b>	<b>2,655</b>

Number of students by 31<sup>st</sup> October (of the respective year)

#### International students

Branch	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	4 <sup>th</sup> year	5 <sup>th</sup> year	6 <sup>th</sup> year	7 <sup>th</sup> year	Total
General medicine	93	59	55	56	74	97	3	437
General medicine in English language (paying students)	154	136	78	112	95	105		680
Dentistry	4	6	6	9	9			34
Dentistry in English language (paying students)	18	18	12	18	12			78
Nursing – combined								0
Midwifery	2		4					6
Addictology – full-time	3	1	2					6
Addictology – combined	4	1	3					8
Occupational therapy	1							1
Physiotherapy	5	3	3					11
Nutritional therapy – full-time	1	4						5
Nutritional therapy – combined	5	1	1					7
Master – Occupational therapy – full-time		1						1
Master – Occupational therapy for adults – combined								0
Master – Intensive care – combined		2						2
Master – Nutritional therapy – full-time		1						1
Master – Nutritional therapy – combined		3						3
Master – Addictology – full-time								0
Master – Addictology – combined		1						1
<b>Total</b>	<b>290</b>	<b>237</b>	<b>164</b>	<b>195</b>	<b>190</b>	<b>202</b>	<b>3</b>	<b>1,281</b>

Number of students by 31<sup>st</sup> 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	425	93
General medicine in English language (paying students)	2	154
Dentistry	46	4
Dentistry in English language (paying students)	1	18
Nursing – combined	0	
Midwifery	24	2



Branch of study	Czech	International
Addictology – full-time	34	3
Addictology – combined	47	4
Occupational therapy	22	1
Physiotherapy	32	5
Nutritional therapy – full-time	32	1
Nutritional therapy – combined	38	5
Master – Occupational therapy – full-time	0	
Master – Occupational therapy for adults – combined	27	
Master – Intensive care – combined	0	
Master – Nutritional therapy – full-time	0	
Master – Nutritional therapy – combined	3	
Master – Addictology – full-time	0	
Master – Addictology – combined	35	
<b>Total</b>	<b>768</b>	<b>290</b>

Number of students by 31<sup>st</sup> October (of the respective year)

Number of Czech and international students in 2012–2020

Branch of study	2012		2013		2014		2015		2016		2017		2018		2019		2020	
General medicine	1,780	588	1,878	648	1,839	682	1,779	614	1,717	613	1,584	534	1,509	504	1,573	438	1,671	437
General medicine in English language (paying students)	606	0	667	0	597	0	8	589	8	670	6	687	7	731	8	646	8	680
Dentistry	358	55	345	58	314	54	280	54	234	56	206	49	199	39	199	37	206	34
Dentistry in English language (paying students)	110	0	102	0	81	0	3	82	3	75	2	79	2	80	4	79	5	78
Nursing – full-time	46	5	47	2	25	1	22	7	14	3	9	2	0	0	0	0	2	0
Nursing – combined	131	8	115	9	99	7	98	5	78	2	55	2	26	1	10	0	0	0
Midwifery	0	0	0	0	0	0	28	0	35	1	48	3	44	6	37	5	46	6
Addictology – full-time	75	3	68	3	71	2	76	3	72	2	68	3	78	3	78	5	80	6
Addictology – combined	107	7	98	7	88	6	82	4	80	5	84	6	85	5	88	5	101	8
Occupational therapy	54	0	55	0	38	0	45	2	39	4	60	5	57	3	57	0	53	1
Physiotherapy	79	5	80	8	86	9	86	13	70	13	79	11	75	9	83	10	89	11
Nutritional therapy – full-time	59	0	65	2	71	5	62	8	51	6	56	9	62	5	46	7	59	5
Nutritional therapy – combined	44	1	72	1	103	4	93	5	93	12	86	8	81	7	82	3	93	7
Master – Occupational therapy – full-time	0	0	0	0	19	0	36	0	34	0	46	0	38	1	19	1	2	1
Master – Occupational therapy for adults – combined	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	0
Master – Intensive care – combined	0	0	0	0	28	2	56	2	72	3	92	5	101	8	66	5	36	2
Master – Nutritional therapy – full-time	0	0	0	0	0	0	13	0	28	1	35	1	34	4	27	3	12	1

Branch of study	2012		2013		2014		2015		2016		2017		2018		2019		2020	
Master – Nutritional therapy – combined	0	0	0	0	0	0	30	1	54	1	65	4	66	4	81	4	60	3
Master – Addictology – full-time	57	3	57	4	56	6	52	3	52	2	40	0	37	0	27	1	17	0
Master – Addictology – combined	19	0	31	1	44	1	67	3	75	3	81	0	75	1	85	0	88	1
<b>Total</b>	<b>4,200</b>		<b>4,423</b>		<b>4,338</b>		<b>4,311</b>		<b>4,281</b>		<b>4,110</b>		<b>3,987</b>		<b>3,819</b>		<b>3,936</b>	

### STUDIES IN DENTISTRY

Due to the pandemics of COVID-19 virus, this year posed a great challenge for both teachers and students. We completely shifted the theoretical subjects and lectures to the virtual space of MS Teams. In tuition of practical subjects, however, the situation was much more complicated. The total failure of the Czech government resulted in the lack of necessary protective aids, so we had to suspend the practical tuition in the period from 11<sup>th</sup> March to 11<sup>th</sup> May 2020. After the initial stern restrictions were relieved, we could fully compensate for the omissions to the normal extent both in time and topics by extending the tuition period till the school vacations, probably as the only dental school in the Czech Republic. Practical classes were held in considerably smaller groups of 5 to 10 students, which ended on 7<sup>th</sup> December 2020, when the presence of up to 20 persons was allowed. We did not stop teaching the students from the exchange programme Erasmus+, either.

Further, for hygienic reasons we had to resign to practical training on patients. That revealed one disadvantage of the training rooms designed in the “open space” style. Even with the maximum protection for the students and teachers, we were not in position to exclude patient-to-patient transmission of infection, particularly when dental treatment inevitably involves exhalation of aerosols that can freely spread in the large and undivided space of the training rooms. This involved two special consequences. The students performed a vast majority of interventions on manikins and/or artificial teeth and jaws, which naturally made the training process dramatically more expensive. A smaller proportion of interventions were performed on patients, but only at some particular premises of the Department of Stomatology, where the operation could be arranged in a manner excluding patient-to-patient transmission of infection. In our view, however, this form of tuition as a considerable step backwards as we find practical training of students under supervision under conditions really close to the operation of a common dentist’s surgery essential and indispensable for gaining the full competences of a dentist.

For the same reason, and also for the fear of possible comeback of the current epidemics in one or another form, we decided to separate particular chairs in the training rooms by firm partitions so that a training unit (i.e. the dentist’s chair with the accessories) could be considered as one dentist’s surgery. Therefore, the risk of patient-to-patient transmission of infection can be eliminated in future. The respective construction work began in late May 2020 and its completion is planned for the school holiday months of 2021.

Except for those extraordinary events, we were able to keep up the operation of the Department of Stomatology in the full scope. In the academic year 2020–2021, 52 students were admitted for the studies in Czech language and another 18 students for the studies in English language. At the same time, we decided to improve our economic situation, which due to the unfair distribution of finance at Charles University is not improving so far, by admitting more paying students to study under the Master degree programme of Dentistry in English in the academic year 2022–2023.



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

## EDUCATION IN NON-MEDICAL HEALTH CARE FIELDS

During 2020, the non-medical study programmes at the First Faculty of Medicine of Charles University went through the last stage of validity of accreditation of their long-term concepts, and therefore in the second half of the year the work on a new concept of these programmes for the period of 2021–2028 was commenced. For all the programmes, just like for the whole Faculty, the year was marked with adjustments and measures connected with the impact of COVID-19 pandemics. The measures taken meant considerable changes and limitations for quite a number of tasks and activities, just like for the partner units and whole society.

Decisions made in the years before, emphasising the Faculty's conservative approach to education in non-medical fields, gradually brought about the desired positive effect – their consolidation and clearly set priorities. To this effect, therefore, the process of setting the particular educational programmes up at all levels, as decided in view of the priority fields, continues. Therefore, the Faculty carries on the strategy of developing the education just in a few fields but if possible at all levels. The set of the selected fields has not changed in the past four years. It still includes the same group of fields: Nutritional therapy, Addictology, Occupational therapy, Physiotherapy and Midwifery. The only field that was suspended in the past few years but now discussed again on the initiative of General University Hospital and part of the Faculty's management, is Nursing. This is understandable in the context of the tremendous need for educated nurses and the trouble of big hospitals, which are hardly able to secure enough staff in this profession for all their facilities at the necessary levels of quantity and quality.

The Faculty has been strengthening the competences and powers of principal teachers of the study programmes and carrying the trend of decentralization in direction of tuition of particular programmes. Another important step in this direction was putting more stress on strengthening the role of students and their associations, and their support from the side of the Faculty. The said trend in our programmes is also reflected in the image of our programmes and in the growing numbers of applicants for studies in non-medical programmes, which in 2020 reached its top historically, including the record-breaking attendance at the Open Day for non-medical programmes. In the fields of Nutritional therapy and Addictology, the growing interest was again proved by the number of applications. Apart from Physiotherapy, much sought after traditionally, the Faculty managed to increase selectivity in the core non-medical subjects.

In 2020, accreditation of the follow-up Master programme of Nutritional therapy was successfully completed, and the process of accreditation of postgraduate doctoral study programme is running concurrently. In 2021, we will achieve full operation of all the three levels of study programmes in this field, like in the field of Addictology so far. Then, the other fields gradually increase their activity in the same direction as well, e.g. the work on the follow-up Masters in Occupational therapy is accelerating. The team of Ms Yvona Angerová, the department head, coped with the untimely loss of Prof. Olga Švestková, and the two fields – Occupational therapy and Physiotherapy – with the respective team managed to stand by and progress further in 2020. The study programme of Midwifery, lead by Prof. Antonín Pařízek (Department of Obstetrics and Gynaecology) managed to stabilize the staff and made a firm part of the family of non-medical fields at the Faculty.

In 2020, the trend towards promotion of science and research in non-medical fields continued, which had been one of the basic priorities of the Faculty under the previous Dean, Aleksi Šedo. In this respect, 2020 was a really successful year in the aspect of development of co-operation between particular units of the First Faculty of Medicine, Faculty of Arts and Philosophy, and the Faculty of Education in the framework of the project PROGRES Q06. The total publishing outcome not only outnumbered the previous period, but beyond that, the concept of four big shared research projects was created in that year, and in the same year financial resources for the purpose were obtained, e.g. from "Norwegian Funds". It is a highly attractive concept of co-operation between the three faculties, which shows not only high efficiency but also meaningfulness and potential of development. It was also for this reason that this concept was favoured in late 2020 as negotiations were in progress about the follow-up project Cooperatio, where the institutions involved could implement scientific and research activities in the group of health sciences.



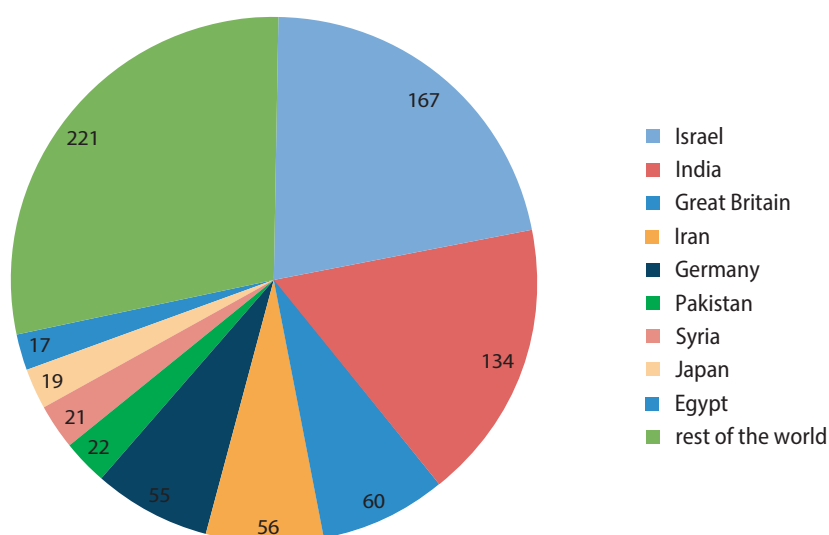
*Prof. PhDr. Michal Miovský, Ph.D.,  
Vice-Dean for Non-Medical Study Programmes*

A similar case is, in turn, the successful continuation of the Specific Scientific Research (SVV) between the non-medical branches at the Department of Rehabilitation Medicine and the Department of Addictology.

#### PAYING INTERNATIONAL STUDENTS

In 2020, the total number of people interested in studies in English language at the Faculty slightly decreased due to the uncertainty connected with the pandemics of COVID-19. Nevertheless, we received more than 1,200 applications (1,195 for General Medicine and 212 for Dentistry). Thanks to the stable numbers of the admitted, and the good quality and motivation of the applicants, eventually the nearly optimum numbers of 152 students in the programme of General medicine and another 18 in the programme of Dentistry enrolled for the first year of studies in the academic year 2020–2021. Regretfully, the problems connected with gaining the student visas in time remained the same, particularly so for students from the region of India and the United Arab Emirates. Considering this situation, caused by the temporary shutdown of Czech embassies in the respective countries, we had to establish two groups of students in distant tuition as a stopgap measure. During the winter term examining session, extra practical classes were organized for these students to learn the necessary practical skills at last. As usual, most of the students admitted (80 %) had used mediation services of well-established agencies.

The countries with the highest numbers of students in English-taught study programmes at the First Faculty of Medicine of Charles University



The trend of the constantly growing interest in studies at the Faculty is a positive feature, and it helps us, thanks to the high selectivity of admission, 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, and 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 proportion 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 2020, regretfully, we were forced to cancel virtually all the traditional events with a high number of participants. The first “victim” was the traditional Spring Ball for the graduating year’s students and their friends, normally held in March. Next, the Open Day for those interested in studies in English language was cancelled too. A real challenge then was the quick organization of tuition in the distance form and the distance form of examination – not only for our current students but also for applicants in the entrance procedure. Nonetheless, we faced up to the challenges, which also enabled most 6<sup>th</sup> year students to complete their studies in regular time and pass the graduation ceremony in June at the times that offered free “slots” for the event. And also, the new students were able to start their first year of studies in the usual number.

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 teaching 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. Another novelty, which, however, could not be fully implemented due to the pandemics, is the contract of partnership with Okayama University in Japan.

### ELECTRONIC SUPPORT OF TUITION

The First Faculty of Medicine has long been one of the leading institutions that systematically develop the tools for e-learning and electronic support of tuition, promoting their use in the Czech Republic. In 2020, due to the limitations connected with the corona virus pandemics, the requirements for electronic tools dramatically increased.

So for example the video servers developed at the First Faculty of Medicine of Charles University (such as MedicalMedia, <https://www.medicalmedia.eu>), which enable storage and safe access even to documents that are clinically confident, saw an extraordinary and unprecedented degree of exploitation. For distance and proctored examination, the system Rogô (<https://www.rogo.cz>), originally developed at the university in Nottingham, started being used, whose localization and implementation was performed at the Faculty. The system Rogô was, apart from other occasions, widely used in entrance examinations for the English parallel classes and has also been in use at other faculties both in the Czech Republic and Slovakia.

New tools for team co-operation and communication were adopted at the First Faculty of Medicine and adjusted to its needs. So the basic tools for electronic support of tuition now include MS Teams and MOODLE, both interconnected with the Student Information System (SIS) and therefore facilitating organization of distant tuition. Beyond that, the simple video conference system <https://meet.lf1.cuni.cz> was developed, based on Jitsi, which enables an instant start of a video call without installation of anything or complicated registration. Further, new utility tools for distant examination were developed, for example for safe and protocolled drawing of questions in distance exams (<https://los.lf1.cuni.cz>).

For a decade, an extraordinarily exploited web for support of learning has been the WikiSkripta [WikiLectures] (<https://www.wikiskripta.eu>). For years, it has been visited by more than 50 thousand users every day, which makes it the most visited



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Vice-Dean for International Students  
(until 15 Sep 2020)*



*MUDr. Eitan Brizman, BDS,  
Vice-Dean for International Students Studying in English  
(since 15 Sep 2020)*

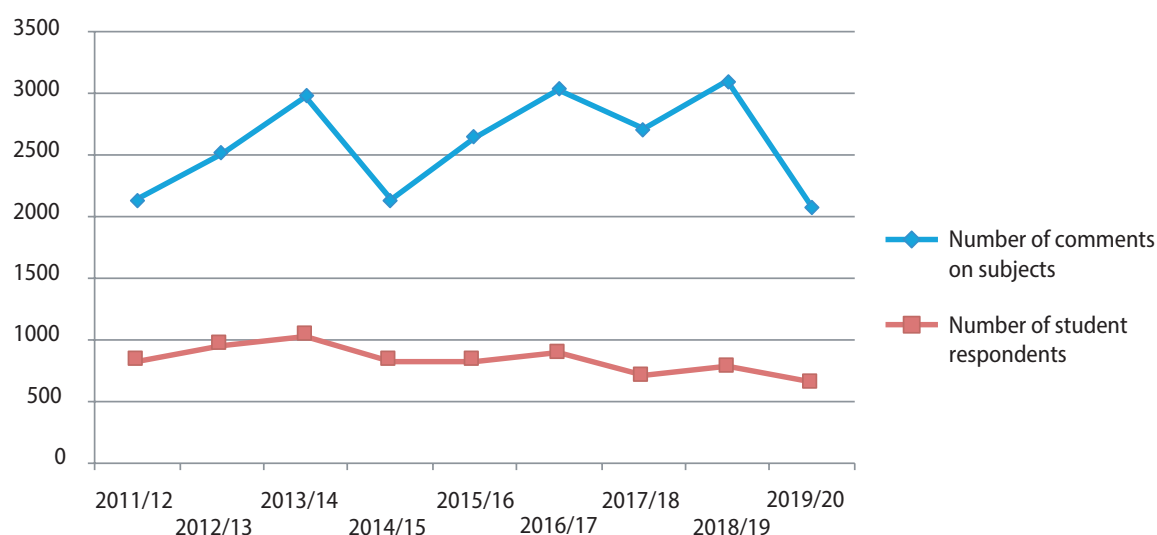
website to support undergraduate medical education in the Czech Republic. In addition, WikiSkripta attracts talented students and promotes their more active engagement in the process of education.

#### EVALUATION OF TUITION BY STUDENTS

Annual evaluation of tuition by students at the First Faculty of Medicine of Charles University has been operative for more than 15 years. The data is collected electronically through the Student Information System (SIS). Data collection always takes the whole academic year and is opened/closed at the turn of October. Results of the evaluation are processed by the board for evaluation of tuition, which forwards them to the Dean's Board and to the Academic Senate. Beyond that, all organization units of the Faculty receive the results of evaluation of their own tuition. The academic community generally has the access to the results of the evaluation through SIS, brief information is published on the Faculty's web pages as well as on social networks.

Beyond the framework of this centralized questioning, some particular Faculty units questionnaires of their own purposes. Unlike the all-faculty evaluation, which mainly enables comparison of the results between years, these pools are more flexible and enable a faster response to possible hot issues. At 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. Then, another evaluation is systematically collected from the graduates once they finish their studies. Some pools to evaluate the tuition are organized by students themselves. The Faculty and its evaluating board try to merge the results of all these activities so that they can provide the most accurate picture possible and therefore the best possible basis for improvement of tuition.

Parameters of the questioning about the academic year 2019-2020



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



### GENERAL EVALUATION OF THE 2019-2020 SURVEY

The total number of students taking part in the evaluation was 648, which was fewer than in the year before. The number of specific comments and expressions of students' views in general decreased too – they were 2,065 in number. General marking of the tuition is good, as more than one half of the marks on the four-grade scale are “ones” (excellent). The numbers of “fours” for all the questions are deep below 10%. The only exception is the question whether the number of patients was sufficient. In this case, however, the answers were undoubtedly influenced by the restrictions and limitation of presence forms of tuition due to COVID-19 pandemics.

Tuition in the pre-clinical years is mostly found well, just in particular cases there were some complaints concerning communication of some units with students at the time of transfer to the distance form of tuition. More varied are the views of tuition in the clinical years. There are some repeated complaints saying that clinical tuition at some units is conceived too theoretically. One problem of evaluation of tuition by students is still the small numbers of respondents, especially those from the clinical years of studies.

As every year, the results of the evaluation were forwarded to all the organization units and their principals had the chance to comment on them. From the responses it can be clearly seen that the units really deal with the students' ideas and try to adjust the teaching and improve its quality. The comparison between years clearly shows gradual improvement in both grading and verbal evaluation.

### SPECIALTY TRAINING AND LIFE-LONG EDUCATION OF HEALTH CARE PROFESSIONALS

In 2020, the Department for Further Education organized courses, seminars, workshops and lectures not only in the framework of the compulsory life-long education of doctors and dentists, but also beyond, addressing both doctors and life-long education of other health professionals (addictologists, physiotherapists, occupational therapists, laboratory technicians) as well as teachers.

### SPECIALTY TRAINING OF DOCTORS AND DENTISTS

In charge of the specialty training at the Faculty is Prof. MUDr. Jan Škrha, DrSc., MBA, who represents the First Faculty of Medicine of Charles University in the co-ordinating board of all the 8 medical schools of the University, together with expert guarantors of the 46 specialties and the staff of the Department for Further Education make provisions for specialty training. In that year, the specialty training was markedly influenced by delayed sub-laws supposed to implement the amendment of Act number 95-2004 Coll., valid since 1<sup>st</sup> July 2017, and then by the epidemiologic situation.

Activities connected with specialty training mainly include assigning the students to particular specialties, acknowledging professional experience gained in other fields, issuing the certificates, and above all, organization and co-ordination of new exams following completion of the core training, specialist attestation exams and compulsory pre-attestation and/or specialization courses, including obtaining the accreditation by the Ministry of Health of the Czech Republic. The Ministry of Health only gradually issued new educational programmes but anyway we succeeded in application for accreditation of compulsory courses in all the specialties and obtain accreditation for all basic core courses. Sadly, the Faculty has only obtained accreditation of courses for specialty training in several fields so far.

**Record keeping of doctors and dentists** in specialization training is performed through the web application of the Ministry of Health (EZP). By 15<sup>th</sup> December 2020, the Faculty was keeping records for 2,431 doctors and dentists.

**Compulsory courses** are always held on the basis of inter-faculty rotation at all medical schools. This time, organization of the courses was largely disrupted by the anti-COVID measures, which caused the transfer from the presence to the distance form of tuition. The distance form, however, allowed the access to the courses for a twofold number of participants compared to 2019. In spite of co-ordination of courses among the medical faculties, organization of the compulsory courses in “small” specialties is still a problem in the economic aspect. Out of the 62 courses at the First Faculty of Medicine of Charles University, 56 courses were implemented, with 1,521 participating doctors and dentists.

**Exams following completion of the core training** took place at the First Faculty of Medicine of Charles University for the first time, and the low interest was probably due to the heavy load of work in hospitals. Most sought after were the medical, ENT and anaesthesiology core. Attestation exams were performed in 18 specialties, and most applicants were attested in the fields of neurology, rehabilitation and physical medicine, psychiatry, ENT and paediatrics.

Survey of compulsory specialization courses and attestation exams  
at the First Faculty of Medicine of Charles University in 2020

	Specialization courses	Attestation exams	Core exams
Number of events	56	18	11
Number of participants	1,521	152	53

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

In 2020, the total of 24 facultative courses of life-long education were implemented, attended by 814 participants at courses and seminars, including clinical seminars for doctors, held at clinical departments. Due to epidemiologic measures, 27 educational events were cancelled.

Educational events of life-long education for professional competence were 4 in number, and 2 of them were events with accreditation of the Ministry of Health of the Czech Republic. Closed was the certified course of Clinical adult neuropsychology (2018–2020) with 18 successful learners, and the accredited course of Speech therapist in health services (2020–2021) with 20 learners.

With the accreditation of the Ministry of Agriculture of the Czech Republic, two courses of professional training to obtain qualification and professional competence in the sphere of testing animals, provided in Czech language with 30 successful learners, and with another 28 in English language.

As complementary activities, i.e. in co-operation with commercial subjects, 24 educational events for doctors of various specialties were implemented, with 1,586 participants.

Survey of courses and seminars of Life-long Education at the First Faculty of Medicine in 2020

	Courses & seminars for doctors	Life-long Education courses in co-operation with commercial subjects	Total
Number of events	28	24	52
Number of participants	910	1586	2496

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 (<https://en.lf1.cuni.cz/alumni>) as well as through electronic, phone and face-to-face consultations.

## POSTGRADUATE DOCTORAL STUDIES IN BIOMEDICINE

The First Faculty of Medicine of Charles University provides 22 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 23<sup>rd</sup> April 1997 and agreement of consortium between Charles University and the Academy of Sciences of the Czech Republic of 26<sup>th</sup> June 1997. On 28<sup>th</sup> 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 AND THE CHAIRPERSONS OF THE RESPECTIVE FIELD BOARDS IN 2020

#### Addictology: Specialization in health care <sup>1</sup>

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

#### Bioethics

Assoc. Prof. MUDr. PhDr. Jan Payne, Ph.D.,  
First Faculty of Medicine, Charles University

#### Biochemistry and Pathobiochemistry

Prof. MUDr. Libor Vítek, Ph.D., MBA,  
First Faculty of Medicine, Charles University

#### Cell Biology and Pathology

Assoc. Prof. MUDr. Tomáš Kučera, Ph.D.,  
First Faculty of Medicine, Charles University

#### 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

<b>Experimental Surgery</b>	Prof. MUDr. Zdeněk Krška, DrSc., First Faculty of Medicine, Charles University
<b>Pharmacology and Toxicology</b>	Prof. MUDr. Ondřej Slanař, Ph.D., First Faculty of Medicine, Charles University
<b>Human Physiology and Pathophysiology <sup>2</sup></b>	Prof. MUDr. Otomar Kittnar, CSc., MBA, First Faculty of Medicine, Charles University
<b>Gerontology</b>	Prof. MUDr. Eva Topinková, CSc., First Faculty of Medicine, Charles University
<b>Immunology</b>	Prof. RNDr. Jan Černý, Ph.D., Faculty of Natural Science, Charles University Assoc. Prof. RNDr. Magdaléna Krulová, Ph.D., Faculty of Natural Science, Charles University (for the new accreditation)
<b>Medical biophysics</b>	Prof. MUDr. RNDr. Jiří Beneš, CSc., First Faculty of Medicine, Charles University
<b>Medical Psychology and Psychopathology</b>	Prof. MUDr. Jiří Raboch, DrSc., First Faculty of Medicine, Charles University
<b>Microbiology</b>	Assoc. Prof. RNDr. Ivo Konopásek, CSc., Faculty of Natural Science, Charles University
<b>Molecular and Cellular Biology, Genetics and Virology</b>	Assoc. Prof. RNDr. Dana Holá, Ph.D., Faculty of Natural Science, Charles University
<b>Neurosciences</b>	Prof. MUDr. Karel Šonka, DrSc., First Faculty of Medicine, Charles University Prof. MUDr. Jan Laczó, Ph.D., Second Faculty of Medicine, Charles University (since 19 Feb 2020)
<b>Parasitology</b>	Assoc. Prof. RNDr. Jan Votýpka, Ph.D., Faculty of Natural Science, Charles University
<b>Preventive Medicine and Epidemiology <sup>3</sup></b>	Assoc. Prof. MUDr. Alexander M. Čelko, CSc., 3. LF UK Assoc. Prof. MUDr. Jan Polák, Ph.D., Third Faculty of Medicine, Charles University (for the new accreditation, since 17 Jan 2020)
<b>Developmental and Cell Biology</b>	Assoc. Prof. RNDr. Petr Folk, CSc., Faculty of Natural Science, Charles University Prof. RNDr. Jan Černý, Ph.D., Faculty of Natural Science, Charles University (for the new accreditation)
<b>Imaging Techniques in Medicine</b>	Assoc. Prof. MUDr. Andrea Burgetová, Ph.D., MBA, First Faculty of Medicine, Charles University

<sup>1</sup> Title of former accreditation: Study programme Specialization in health care, Field of study Addictology

<sup>2</sup> Title of former accreditation: Study programme Psychology, Field of study Medical Psychology and Psychopathology

<sup>3</sup> Title of former accreditation: Study programme Preventive Medicine

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 2020, the following surveys are shown: numbers of doctoral students at the Faculty units; doctoral exams passed; and doctoral theses defended. Then, the total data are included, concerning the numbers of students admitted and doctoral theses defended at the First Faculty of Medicine in the past five years (2016 – 2020); 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 until	
Addictology: Specialization in health care <sup>4,5</sup>	1 Sep 2030	
Bioethics <sup>5</sup>	23 Sep 2025	
Biochemistry and Pathobiochemistry <sup>6</sup>	28 Nov 2028	
Cell Biology and Pathology <sup>6</sup>	27 Nov 2029	
Biomedical informatics <sup>6</sup>	22 Apr 2025	
Biomechanics	31 Dec 2024	(only for present students to graduate)
History of Medicine <sup>5</sup>	1 Sep 2030	
Experimental Surgery <sup>6</sup>	27 Nov 2029	
Pharmacology and Toxicology <sup>6</sup>	11 Dec 2029	
Human Physiology and Pathophysiology <sup>6</sup>	27 Nov 2029	
Gerontology	31 Dec 2024	(only for present students to graduate)
Immunology <sup>6</sup>	27 Nov 2029	
Medical biophysics <sup>6</sup>	27 Nov 2029	
Medical Psychology and Psychopathology <sup>7,6</sup>	23 Oct 2024	
Microbiology <sup>6</sup>	23 Oct 2029	
Molecular and Cellular Biology, Genetics and Virology <sup>6</sup>	23 Oct 2029	
Neurosciences <sup>6</sup>	23 Sep 2030	
Nutritional and Metabolic Sciences	25 Nov 2030	
Parasitology <sup>6</sup>	27 Nov 2029	
Preventive Medicine and Epidemiology <sup>8,6</sup>	27 Nov 2029	
Developmental and Cell Biology <sup>6</sup>	27 Nov 2029	
Imaging Techniques in Medicine <sup>5</sup>	1 Sep 2030	

<sup>4</sup> Title of former accreditation: Study programme Specialization in health care, Field of study Addictology

<sup>5</sup> Former accreditation valid until 31<sup>st</sup> December 2024

<sup>6</sup> Former accreditation valid until 31<sup>st</sup> December 2024 only for present students to graduate

#### Doctoral study programmes accredited in English and validity of the accreditation

Study programme	Accredited until	
Addiction: Specialization in Health Care <sup>9,10</sup>	1 Sep 2030	
Bioethics <sup>10</sup>	23 Sep 2025	
Biochemistry and Pathobiochemistry <sup>11</sup>	28 Nov 2028	
Biomedical Informatics <sup>11</sup>	22 Apr 2025	
Biomechanics	31 Dec 2024	(only for present students to graduate)
Cell Biology and Pathology <sup>11</sup>	27 Nov 2029	
Developmental and Cell Biology <sup>11</sup>	27 Nov 2029	
Experimental Surgery <sup>11</sup>	27 Nov 2029	
Gerontology	31 Dec 2024	(only for present students to graduate)
History of Medicine <sup>10</sup>	1 Sep 2030	
Human Physiology and Pathophysiology <sup>11</sup>	27 Nov 2029	
Imaging Methods in Medicine <sup>10</sup>	1 Sep 2030	
Immunology <sup>11</sup>	27 Nov 2029	

Study programme	Accredited until	
Medical Biophysics <sup>11</sup>	27 Nov 2029	
Medical Psychology and Psychopathology <sup>12,11</sup>	23 Oct 2024	
Microbiology <sup>11</sup>	23 Oct 2029	
Molecular and Cellular Biology, Genetics and Virology <sup>11</sup>	23 Oct 2029	
Neurosciences <sup>11</sup>	23 Sep 2030	
Nutritional and Metabolic Sciences	25 Nov 2030	
Parasitology <sup>11</sup>	27 Nov 2029	
Pharmacology and Toxicology <sup>11</sup>	11 Dec 2029	
Preventive Medicine and Epidemiology <sup>13,11</sup>	27 Nov 2029	

<sup>7</sup> Title of former accreditation: Study programme Psychology, Field of study Medical Psychology and Psychopathology

<sup>8</sup> Title of former accreditation: Study programme Preventive Medicine

<sup>9</sup> Title of former accreditation: Study programme Specialization in Health Service, Field of study Addictology

<sup>10</sup> Former accreditation valid until 31<sup>st</sup> December 2024

<sup>11</sup> Former accreditation valid until 31<sup>st</sup> December 2024 only for present students to graduate

<sup>12</sup> Title of former accreditation: Study programme Psychology, Field of study Medical Psychology and Psychopathology

<sup>13</sup> Title of former accreditation: Study programme Preventive Medicine

### Doctoral State Examinations passed in 2020

Surname and first name	Degree (before name)	Degree (after name)	Study programme	Date of examination
Adamcová Karolína	MUDr.		Human Physiology and Pathophysiology	14 May 2020
Bárta Tomáš	Mgr.		Biomedical informatics	16 Dec 2020
Bohatá Jana	Mgr.		Molecular and Cellular Biology, Genetics and Virology	25 June 2020
Bríñez Folleco Fredy Manolo	MUDr.		Imaging Techniques in Medicine	20 Feb 2020
Brožová Klára	MUDr.		Neurosciences	6 Jan 2020
Buday Jozef	MUDr.		Medical Psychology and Psychopathology	29 Sep 2020
Červená Klára	Mgr.		Molecular and Cellular Biology, Genetics and Virology	25 June 2020
Daňhelovská Tereza	Mgr.		Biochemistry and Pathobiochemistry	6 Feb 2020
de Sousa Cabral João Victor		MD	Cell Biology and Pathology	5 Nov 2020
Dusílková Nina Borisovna	MUDr.		Human Physiology and Pathophysiology	22 June 2020
Dušek Otakar	MUDr.		Cell Biology and Pathology	24 Sep 2020
Faltusová Kateřina	Mgr.		Human Physiology and Pathophysiology	14 May 2020
Forejtová Zuzana	MUDr.		Neurosciences	15 June 2020
Friedová Lucie	Mgr.		Neurosciences	15 June 2020
Gregová Mária	MUDr.		Imaging Techniques in Medicine	26 June 2020
Gueye Tereza	MUDr.		Human Physiology and Pathophysiology	17 Sep 2020
Hollý Petr	MUDr.		Neurosciences	6 Jan 2020
Holubová Anna	Ing.		Biomedical informatics	16.12.2020
Horák Pavel	Mgr.		Molecular and Cellular Biology, Genetics and Virology	4 Feb 2020
Houska Adam	MUDr.		Medical Psychology and Psychopathology	14 July 2020
Hrubá Monika	Mgr.		Molecular and Cellular Biology, Genetics and Virology	25 June 2020
Hrubý Jan	MUDr.		Experimental Surgery	22 June 2020
Indrielle Tereza	MUDr.		Experimental Surgery	12 May 2020
Janíková Martina	Mgr.		Neurosciences	13 July 2020
Kiss Imrich	MUDr.		Experimental Surgery	25 Nov 2020
Klímová Judita	MUDr.		Human Physiology and Pathophysiology	14 May 2020
Klouďa Jan	MUDr.		Experimental Surgery	25 Nov 2020
Kocián Roman	MUDr.		Experimental Surgery	23 Sep 2020

Surname and first name	Degree (before name)	Degree (after name)	Study programme	Date of examination
Koňářík Miroslav	MUDr.		Human Physiology and Pathophysiology	8 June 2020
Kopecká Tereza	MUDr.	Ph.D.	History of Medicine	11 Apr 2020
Korandová Zuzana	Mgr.		Biochemistry and Pathobiochemistry	15 Oct 2020
Kořínková Lucia	Ing.		Biochemistry and Pathobiochemistry	17 Sep 2020
Kostlivý Karel	MUDr.		Experimental Surgery	18 Aug 2020
Kotíková Kateřina	MUDr.		Preventive Medicine and Epidemiology	24. 09. 2020
Kousal Bohdan	MUDr.		Preventive Medicine and Epidemiology	14 July 2020
Král Norbert	MUDr.		Preventive Medicine and Epidemiology	24 Sep 2020
Královičová Jana	Mgr.		Pharmacology and Toxicology	4 Mar 2020
Kratochvílová Helena	Mgr.		Human Physiology and Pathophysiology	14 May 2020
Kubínová Kateřina	MUDr. Bc.		Human Physiology and Pathophysiology	14 May 2020
Kulhánek Adam	Mgr.	Ph.D.	Addictology	1 July 2020
Linetskiy Igor		D.M.	Experimental Surgery	15. 1.2020
Lukáč Peter	MUDr.		Experimental Surgery	12 May 2020
Ľupták Matej	Mgr.		Pharmacology and Toxicology	4 Mar 2020
Machovič Levorová Jitka	MDDr.		Experimental Surgery	12 May 2020
Majtan Bohumil	MUDr.		Human Physiology and Pathophysiology	17 Sep 2020
Maléřová Simona	MUDr.		Experimental Surgery	12 May 2020
Marek Josef	MUDr.		Imaging Techniques in Medicine	26 June 2020
Mirchi Lukáš Farhád	MUDr.		Molecular and Cellular Biology, Genetics and Virology	9 Sep 2020
Miškovičová Michaela	MUDr.		Biochemistry and Pathobiochemistry	17 Sep 2020
Müllerová Jana	PhDr.		Medical Psychology and Psychopathology	10 Mar 2020
Nechanská Blanka	Ing.	Ph.D.	Addictology	1 July 2020
Nichtová Andrea	Mgr.		Medical Psychology and Psychopathology	14 July 2020
Novák Jan	RNDr.		Biochemistry and Pathobiochemistry	15 Oct 2020
Pierzynová Aneta	MVDr.		Cell Biology and Pathology	24 Sep 2020
Podzimková Jana	MUDr.		Human Physiology and Pathophysiology	17 Sep 2020
Poláchová Edit	Mgr.		Biochemistry and Pathobiochemistry	15 Oct 2020
Popelka Stanislav	MUDr.		Experimental Surgery	25 Nov 2020
Pospíšilová Lenka	PaedDr.		Medical Psychology and Psychopathology	14 July 2020
Příhodová Kateřina	Mgr.	M.A.	Medical Psychology and Psychopathology	14 July 2020
Příhodová Tereza		M.A.	Medical Psychology and Psychopathology	10 Mar 2020
Radilová Kateřina	Mgr.		Molecular and Cellular Biology, Genetics and Virology	13 Feb 2020
Reková Petra	MUDr.		Neurosciences	15 June 2020
Rob Daniel	MUDr.		Imaging Techniques in Medicine	10 Nov 2020
Roušarová Jaroslava	PharmDr.		Pharmacology and Toxicology	18 Dec 2020
Rulišek Jan	MUDr.		Preventive Medicine and Epidemiology	14 July 2020
Ryšánek Pavel	MUDr.		Pharmacology and Toxicology	4 Mar 2020
Řeboun Martin	Mgr.		Molecular and Cellular Biology, Genetics and Virology	25 June 2020
Schierová Zuzana	Mgr.		History of Medicine	28. 5.2020
Stehlíková Zuzana	Mgr.		Immunology	29 Jan 2020
Strnadová Karolína	Mgr.		Cell Biology and Pathology	5 Nov 2020
Svojanovská Barbora	Ing.		Biochemistry and Pathobiochemistry	1 Oct 2020
Šejvl Jaroslav	Mgr.	Ph.D.	Addictology	1 July 2020
Šimják Patrik	MUDr.	Ph.D.	Human Physiology and Pathophysiology	16 Jan 2020
Šimonová Anna	Mgr.		Biochemistry and Pathobiochemistry	12 May 2020



Surname and first name	Degree (before name)	Degree (after name)	Study programme	Date of examination
Školníková Elena	Mgr.		Molecular and Cellular Biology, Genetics and Virology	13 Feb 2020
Štorkánová Hana	Mgr.		Immunology	24 Sep 2020
Tesař Adam	MUDr. Mgr.		Neurosciences	13 July 2020
Thieme Filip	MUDr.		Experimental Surgery	26 Oct 2020
Tichý Antonín	MDDr.		Preventive Medicine and Epidemiology	2 Sep 2020
Trojanová Eliška	Ing.		Imaging Techniques in Medicine	10 Nov 2020
Vacek Jaroslav	Mgr.	Ph.D.	Addictology	15 Sep 2020
Veškrňová Veronika	MUDr.		Biochemistry and Pathobiochemistry	17 Sep 2020
Vítková Hana	MUDr.		Human Physiology and Pathophysiology	19 Nov 2020
Vlasák Aleš	MUDr.		Neurosciences	6 Jan 2020
Vlčková Karolína	Mgr.		Medical Psychology and Psychopathology	14 July 2020
Vodehnalová Karolína	MUDr.		Neurosciences	1 June 2020
Vojtěchová Gabriela	MUDr.	Ph.D.	Imaging Techniques in Medicine	20 Feb 2020
Yurchenko Maksim		Ph.D.	Experimental Surgery	15 Jan 2020
Zemanová Petra	MUDr.		Human Physiology and Pathophysiology	16 Jan 2020
Zinková Alžběta	Mgr.		Molecular and Cellular Biology, Genetics and Virology	13 Feb 2020
Zmeškalová Anna	Ing.		Biochemistry and Pathobiochemistry	17 Sep 2020
Žižalová Kateřina	Ing.		Biochemistry and Pathobiochemistry	1 Oct 2020

## Theses defended in PhD. study programmes in 2020

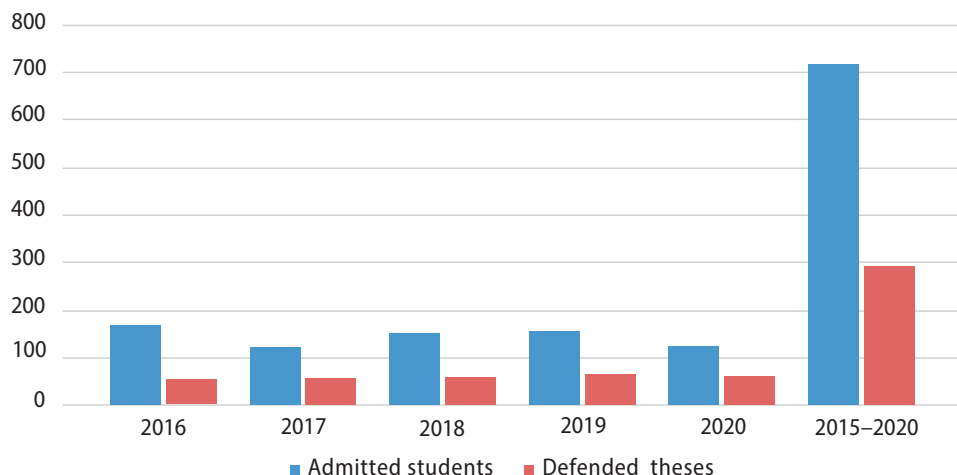
Surname and first name	Degree (before name)	Degree (after name)	Doctoral study programme	Title of thesis	Date of defence
Bajer Lukáš	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Pathophysiology of idiopathic intestinal inflammations. Relation to primary sclerosing cholangitis, liver transplantation and carcinogenesis.	22 June 2020
Bartoš Martin	MUDr. MDDr.	Ph.D.	Experimental Surgery	Pre-clinical use and critical evaluation of micro-CT in view of oral and maxillofacial surgery.	24 June 2020
Bártová Klára	Mgr.	Ph.D.	Psychology	Sexual behaviour and preferences in the context of evolution.	29 Sep 2020
Bořecká Klára	MUDr.	Ph.D.	Biochemistry and Pathobiochemistry	Biochemical parameters of energetic metabolism in cerebrospinal fluid in inflammatory and non-inflammatory diseases of CNS.	1 Oct 2020
Brožka Hana	Mgr.	Ph.D.	Neurosciences	Hippocampus Dysfunction in Quinpirole Sensitization Model of Obsessive-Compulsive Disorder.	2 Mar 2020
Bubová Kristýna	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Biomarkers of inflammatory affection of the subchondral bone in axial spondyloarthritis.	10 Dec 2020
Cikánková Tereza	Mgr. Bc.	Ph.D.	Neurosciences	Influence of psychotropic substances on mitochondrial functions.	7 Dec 2020
Comba Lukáš	MUDr.	Ph.D.	Preventive Medicine	Repair of composite reconstructions in prevention of loss of dental tissues. Long-term durability of the composite-to- composite bond in various environments.	2 Sep 2020
Czerneková Michaela	Mgr.	Ph.D.	Cell Biology and Pathology	Storage cells and their role in tardigrade physiology.	18 June 2020
Černý Viktor	MUDr. Mgr.	Ph.D.	Immunology	Immunoregulatory characteristics of immune cells of children of allergic and non-allergic mothers and the possibility of their modulation with probiotic E. coli strain O83:K24:H31.	28 May 2020
Černý Vladimír	MUDr.	Ph.D.	Imaging Techniques in Medicine	Computerized tomography in the tissue characteristic of the myocardium.	20 Feb 2020
Doležal Adam	JUDr.	LL.M., Ph.	Bioethics	Informed consent – comparison of legal and ethical concepts.	20 May 2020
Fečíková Anna	MUDr.	Ph.D.	Neurosciences	Pathophysiologic mechanisms of deep brain stimulation of the inner pallidum in dystonic syndromes.	7 Sep 2020
Fikrlé Michal	MUDr.	Ph.D.	Imaging Techniques in Medicine	Use of modern methods of echocardiography and magnetic resonance imaging in diagnosis of cardiac amyloidosis.	26 June 2020

Surname and first name	Degree (before name)	Degree (after name)	Doctoral study programme	Title of thesis	Date of defence
Filipová Marcela	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Study of cell toxicity of selected nanoparticles in cell cultures.	3 Feb 2020
Girmanová Eva	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	BK virus infection in patients after kidney transplantation.	6 Feb 2020
Hála Pavel	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Hemodynamic adaptation mechanisms of heart failure to percutaneous venoarterial extracorporeal circulatory support.	18 June 2020
Hanuška Jaromír	MUDr.	Ph.D.	Neurosciences	Pathophysiology and clinical aspects of oculomotor functions in extrapyramidal conditions.	7 Dec 2020
Henlín Tomáš	MUDr.	Ph.D.	Experimental Surgery	Experimental surgical approaches into the trachea under extraordinary conditions.	24 Sep 2020
Hlušička Jiří	MUDr.	Ph.D.	Preventive Medicine	Prospective study into the role of oxidative stress in acute methanol intoxications.	14 July 2020
Jirásková Kateřina	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Genetic variability in sporadic colorectal cancer: Searching for novel risk, prognostic and predictive biomarkers.	6 Feb 2020
Kastner Jan	MUDr.	Ph.D.	Experimental Surgery	Study into early carcinogenesis in spinocellular carcinoma of the head and neck.	16 Jan 2020
Kaván Jan	MUDr.	Ph.D.	Imaging Techniques in Medicine	Patency of dialysis shunts in patients undergoing vascular interventions.	26 June 2020
Kopecká Tereza	MUDr.	Ph.D.	History of Medicine	Students and alumni of the medical faculty of Charles University in the first half of the 20th century: social structure, course of studies, student life, professional careers.	2 Sep 2020
Kostelanská Marie	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Study into photodynamic inactivation of prions by phthalocyanines.	9 Sep 2020
Koubská Eva	MUDr.	Ph.D.	Neurosciences	Central nervous system lymphoma in view of magnetic resonance imaging.	6 Jan 2020
Král Jan	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Pathophysiology of colorectal carcinoma. Effect of colorectal carcinoma screening and the role of microRNA in pathophysiology of colorectal carcinoma.	19 Nov 2020
Kubíčková Kristýna	MUDr.	Ph.D.	Biochemistry and Pathobiochemistry	Role of oxidative stress in liver carcinogenesis.	15 Oct 2020
Kučera Jan	MUDr.	Ph.D.	Experimental Surgery	Intercellular interactions in skin tumours.	16 Jan 2020
Kulhánek Adam	Mgr.	Ph.D.	Addictology	Evaluation of effect of eHealth interventions, including the "lapse management" programme, on the population of Czech tobacco smokers.	1 July 2020
Mašková Jana	MUDr.	Ph.D.	Neurosciences	Role of accumulation of iron and other metals in pathophysiology of neurodegenerative conditions.	31 Aug 2020
Michalec Jiří	Mgr.	Ph.D.	Psychology	A contribution to investigation of cognitive functions in schizophrenia.	14 July 2020
Mitáš Petr	MUDr.	Ph.D.	Experimental Surgery	Development of the three-layer vascular prosthesis for low flows.	24 June 2020
Murtingerová Kateřina	Mgr. Ing.	Ph.D.	History of Medicine	Hospitals in Prague between 1948 and 1968.	2 Sep 2020
Nechanská Blanka	Ing.	Ph.D.	Addictology	Women taking addictive substances in pregnancy: impact of addictive substance abuse to the newborn and long-term consequences in childhood.	1 July 2020
Němcová Andrea	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Issues of critical limb ischaemia and cell treatment in diabetic foot syndrome, pathogenetic aspects of Charcot's osteopathy.	13 Feb 2020
Novotná Klára	Mgr.	Ph.D.	Neurosciences	Characteristics of gait disorders and influence of therapeutic intervention on the gait stereotype in patients with multiple sclerosis.	2 Mar 2020
Obeidová Lena	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Genetically determined progression factors of selected chronic nephropathies.	25 June 2020
Pelc Tomáš	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Relation of oxidative stress to the parameters of compensation of diabetes in development of vascular complications.	15 Oct 2020

Surname and first name	Degree (before name)	Degree (after name)	Doctoral study programme	Title of thesis	Date of defence
Popková Michaela	MVDr.	Ph.D.	Human Physiology and Pathophysiology	Pathophysiology of lung lesions under the conditions of haemodynamic support.	10 Dec 2020
Přistoupilová Anna	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Use of new methods of genome analysis in the study of molecular nature of rare genetically correlated diseases.	25 June 2020
Rokošný Slavomír	MUDr.	Ph.D.	Experimental Surgery	Aneurysmorrhaphy using an exoprosthesis. A new surgical method in management of aneurysmal arterio-venous dialysis shunt.	5 Oct 2020
Seidler Štangová Petra	MUDr.	Ph.D.	Pharmacology and Toxicology	Study into immunopathological mechanisms of autoimmune uveitis and definition of new therapeutic options.	17 June 2020
Skalická Pavlína	MUDr.	Ph.D.	Preventive Medicine	Genetically determined conditions of the cornea: scope of early detection, influence on the onset and progression.	24 Sep 2020
Skálová Helena	MUDr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Study into biomarkers of breast carcinoma after neoadjuvant therapy.	6 Feb 2020
Světlík Svatopluk	Ing.	Ph.D.	Pharmacology and Toxicology	Variability of pharmacokinetics and scope of its observation.	17 June 2020
Svobodová Karla	Mgr.	Ph.D.	Molecular and Cellular Biology, Genetics and Virology	Clonal development of leukaemic cells and its role in progression of leukaemias and pre-leukaemias.	9 Sep 2020
Šejvl Jaroslav	Mgr.	Ph.D.	Addictology	Origin and development of the first facilities with therapeutic programmes for alcohol-dependent patients in Czechia: analysis of the historical and institutional framework and context of the origin, development and end of these programmes until 1945.	1 July 2020
Ševčíková Marcela	Mgr.	Ph.D.	Psychology	Verification of the analytical rumination hypothesis: depression as functional adaptation.	14 July 2020
Šimják Patrik	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Identification of biomarkers involved in pathophysiology of gestational diabetes mellitus.	22 June 2020
Šmeringaiová Ingrida	Mgr.	Ph.D.	Cell Biology and Pathology	Use of corneal endothelium and amniotic membrane for transplantation purposes.	1 Oct 2020
Šmídová Klára	Ing.	Ph.D.	Microbiology	Analysis and mapping of binding sites of gene expression regulators in the genus of Streptomyces.	25 Nov 2020
Špaček Jan	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Influence of tumour micro-environment, cell and humoral immunity on pathogenesis of tumour diseases.	17 Sep 2020
Tóth Peter	Mgr.	Ph.D.	Biomedical informatics	Modelling of Binaural Hearing.	23 Sep 2020
Tureček Daniel	Ing.	Ph.D.	Imaging Techniques in Medicine	Algorithms for multimodal radiography with novel imaging detectors.	20 Feb 2020
Vacek Jaroslav	Mgr.	Ph.D.	Addictology	Experience and attitudes towards abuse of addictive substances in parents related to the incidence of risk behaviour in children between 11 and 15 years of age in the Czech Republic included in a randomized controlled preventive study.	15 Sep 2020
Vacková Zuzana	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Oesophageal achalasia – oetiology, pathophysiology and treatment.	19 Nov 2020
Vňuková Martina		M.Sc., Ph.D.	Psychology	Development of depression symptomatology, burnout and life style in Czech population –2014-2020.	29 Sep 2020
Vojtěchová Gabriela	MUDr.	Ph.D.	Imaging Techniques in Medicine	Role of preventive colonoscopy in detection of colorectal neoplasia.	10 Nov 2020
Yurchenko Maksim		Ph.D.	Experimental Surgery	Influence of inclination of the occlusion plane on the functional state of the orofacial area.	24 June 2020
Zogala David	MUDr.	Ph.D.	Medical biophysics	Assets of FDG PET/CT in diagnosis of cardiovascular inflammations.	9 June 2020

Numbers of students admitted and dissertation theses defended in doctoral study programmes at the First Faculty of Medicine in the past 5 years (2016–2020)

Year	2016	2017	2018	2019	2020	2016–2020
Admitted students	169	122	151	155	125	722
Defended theses	53	57	58	65	61	294



#### 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 2020, 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 General University Hospital (Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague; and Department of Ophthalmology); for one student 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. Three students met the required criteria and were admitted for full-time employment at a joint unit of General University Hospital and the Faculty (3<sup>rd</sup> Department of Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague; Department of Dermatology and Venereology, First Faculty of Medicine, Charles University and General University Hospital in Prague).

#### CONDITIONS OF STUDIES IN DOCTORAL STUDY PROGRAMMES – SITUATION IN 2020

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 their 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).

The fee for entrance procedures in the academic year 2020–2021 for applicants for studies in doctoral study programmes was set at the amount of CZK 660.

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.

### SCHOLARSHIPS

**Granting of scholarships is subject to the Scholarship and Bursary Rules of Charles University, valid since 21<sup>st</sup> May 2018, effective since 1<sup>st</sup> June 2018; the amendment of the Rules has been valid since 27<sup>th</sup> October 2020 and effective since 1<sup>st</sup> November 2020.**

Students enrolled in the full-time form of studies are entitled to 48 payments of the bursary. The amount of the bursaries between 1<sup>st</sup> October 2019 and 30<sup>th</sup> September 2020 was set by the Rector's Order number 9/2019 as follows:

1 <sup>st</sup> year	CZK 10,500
2 <sup>nd</sup> year	CZK 11,000
3 <sup>rd</sup> year	CZK 11,500
4 <sup>th</sup> year	CZK 12,000

By the Deans Order number 6/2020, effective since 1<sup>st</sup> October 2020, the amounts of bursaries for the academic year 2020-2021, are set as follows:

1 <sup>st</sup> year	CZK 10,500
2 <sup>nd</sup> year	CZK 11,000
3 <sup>rd</sup> year	CZK 11,500
4 <sup>th</sup> year	CZK 12,000



*Prof. RNDr. Libuše Kolářová, CSc.,  
Vice-Dean for Grant Projects  
and Postgraduate Doctoral Studies  
(until 15 Sep 2021)*



*Assoc. Prof. MUDr. Lukáš Zlatohlávek, Ph.D.,  
Vice-Dean for Postgraduate Doctoral Studies  
(since 15 Sep 2021)*





*Prof. MUDr. Pavel Klener, Ph.D.,  
Vice Dean for Scientific Work  
and Academic Degrees*

In its sessions, the Scientific Board of the First Faculty of Medicine performed 9 procedures for appointment to professor posts and 11 habilitation procedures to appoint associate professors in 2020. The Faculty is accredited for professor appointment and habilitation procedures in 37 fields.

The Faculty possesses accreditations for 22 doctoral study programmes. In 2020, the total number of 61 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. Soňa Nevšímalová, DrSc., Prof. MUDr. Pavel Pařko, DrSc., and Prof. MUDr. Jiří Zeman, DrSc., were awarded the historic medal of Charles University by the Rector of Charles University at the proposal of the Dean of the First Faculty of Medicine in 2020, Prof. RNDr. Ivan Raška, DrSc., was awarded the gold medal, and Prof. MUDr. Jan Štěpán, DrSc., received the silver medal of Charles University.

Further, the Rector of Charles University granted the gold medal of Charles University to Prof. MUDr. Aleksi Šedo, DrSc., and silver medals to Prof. MUDr. Jan Bartoniček, DrSc., Prof. MUDr. Jan Daneš, CSc., Prof. MUDr. Jiří Homolka, DrSc., Prof. MUDr. Viktor Kožich, CSc., Prof. MUDr. Eva Kubala Havrdová, CSc., Prof. MUDr. František Perlík, DrSc., Prof. MUDr. Jaroslav Pokorný, DrSc., and Assoc. Prof. MUDr. Bohumil Seifert, Ph.D.

On 16<sup>th</sup> February 2020, Prof. Prof. Eric S. Lander, Ph.D., was awarded the honorary scientific degree doctor honoris causa in the field of medical sciences for his great assets to the world science in the fields of genetics, genomics, biology and biomedicine, as well as for his inspiration and long-term support of biomedical research at Charles University, and Prof. Joel L. Sussman, Ph.D., in the field of medical sciences for his globally renowned assets to science in the fields of structural biology and biomedicine and his long-term support of biomedical research at Charles University. The solemn ceremony was held in the Great Hall of the historic building of Karolinum.

In 2020, the Rector's Board of Charles University approved the proposal by the First Faculty of Medicine to Prof. Abigail Saffron Tucker z Centre for Craniofacial & Regenerative Biology, King's College London and Guy's Hospital London, a visiting professor for the Institute of Anatomy of the First Faculty of Medicine of Charles University.

### THE SCIENTIFIC BOARD ANEW

Concurrently with the change at the post of the Dean in 2020, the composition of the Scientific Board of the First Faculty of Medicine of Charles University saw some change too. The total number of 60 members was preserved, one third of them coming from beyond the University. In the sessions of the Board, procedures for appointment to professor posts and habilitation procedures to appoint associate professors are performed. The Faculty is accredited for professor appointment and habilitation procedures in 37 fields, and it proposes candidates to be granted the honorary doctor degree to the Scientific Board of the University. It also approves the study programmes (curricula) of the Faculty, members of examining boards at the State Final Examinations, members of the Field Boards and supervising tutors for PhD. students. On the occasion of important personal jubilees, and for special merits in development of the University, prominent experts can be granted historic, gold or silver medals of Charles University by the Rector. The Rector's Board also approves on the proposals by the Scientific Board of the First Faculty of Medicine concerning the appointment of visiting professors. To further promote the international dimension of the Faculty, the Dean's Board has recently supported the option of submitting habilitation theses in English as well.



### EVALUATION OF SCIENTIFIC OUTPUT ACCORDING TO THE METHODOLOGY M17+

Evaluation of scientific output, which until 2016 was done at the Faculty according to the data taken from the Register of Information on Results (RIV), has been gradually replaced by the methodology M17+ since 2017. This methodology was adopted by the Resolution of the Government of the Czech Republic called Methodology of evaluation of research institutions and evaluation of programmes of purpose-aimed support of research, development and innovation. Methodology M17+ means complex evaluation based on five modules (M1–M5) and its objective is higher efficiency of public resources invested. The result is evaluation of research institutions by four grades A, B, C, D (A= excellent), which provides the base for adjustment of institutional financing of Charles University.

### NATIONAL EVALUATION OF SCIENCE BY INTERNATIONAL EXPERTS

In 2020, the final stage of evaluation of research institutions, including Charles University, and their parts for the period of 2014–2018 was in course. Their scientific activities were evaluated by the Board in collaboration with a panel of external evaluators ("panellists"), who were experts from abroad, proposed by particular faculties. The panellists considered selected results (peer-review), bibliometric data (FORD / CUNI / WOS categories) and self-evaluation reports by the faculties as well as results of the modules M4 and M5. They also compared the university and its faculties to other similar universities (benchmarking universities) – the faculties of Charles University suggested the universities in Milan, Vienna, Leuven, Copenhagen, Heidelberg and Warsaw for comparison. In their final reports, the international experts evaluated not only the university, of faculty, but also gave several recommendations which should lead to higher quality of the scientific efficiency. In particular, they emphasised higher internationalization of the environment at Charles University (and the First Faculty of Medicine), and in case of scientific studies, in turn, the stress on quality, which should be preferred over quantity. What the experts find a drawback in our environment is excessive fragmentation of scientific teams across the five medical faculties of Charles University and absent participation in prominent international grants, such as European Research Council (ERC), in the position of the principal researcher. In spite of a fair number of criticisms, the evaluation report stated that the scientific activity, considering the relatively low level of institutional financing, can bear comparison with the universities abroad. Within the national evaluation of research institutions, firstly evaluation reports for particular branches and fields of science (Charles University Evaluation Report) were executed, and secondly evaluation reports for particular units of the research institutions (First Faculty of Medicine Evaluation Report), which are accessible at the portal IS science (Recording and Evaluation of creative activities at Charles University, <https://is.cuni.cz/veda/hodnoceni/dashboard>). We are really happy to say that the First Faculty of Medicine was evaluated as the best of all the 5 medical faculties of Charles University and received the mark B+ (as none of the faculties of Charles University reached the best mark A and only 5 faculties, including the First Faculty of Medicine, reached B+).

### APPRECIATION OF EXCELLENT SCIENCE AUTHORSHIP

#### AT THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY

Once a year, the First Faculty of Medicine of Charles University acknowledges its researchers through the Dean's Board Prize for excellent publications originated at the Faculty. In 2020, publications accepted to the print in 2019 were evaluated (<https://www.lf1.cuni.cz/cena-kd-za-excelentni-publikaci-2019>). This prize fully corresponds to experts' recommendation, expressed in the evaluation report, that the best author publications should be granted financial reward. Five best scientific publications with dedication to the First Faculty of Medicine of Charles University from the position of the first or corresponding author and were published in a journal with an impact factor (IF) that falls within the first field quartile (best the first decile), are chosen by the Dean's Board by ballot from the set nominated by heads of the Faculty units. In brief, these are publications that the Faculty presents as the key results of its creative activities within the framework of the national, university and internal evaluation of scientific activity (module M1).

Assoc. Prof. MUDr. Petra Lišková, MD, Ph.D.,  
Vice-Dean for Grant Projects



## Survey of international grants

Title of project	Type of instrument
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
conect4children Collaborative Network for European Clinical Trials For Children (C4C)	IMI Joint Undertaking II
Genetically determined diseases – education and diagnosis" (EDUGEN)	Transnational Cooperation
Development of a model for nurses' role in interprofessional pharmaceutical care	Erasmus+
Biomarkers to prevent disability in multiple sclerosis (Crystal Ball Project 2.0)	The National Health and Medical Research Council
Search for new therapeutic targets to modulate the immune system	EMBO Installation grant
COVID-19 impact on patients with brain injury and cognitive impairment and music- & integrative therapeutic support	BTHA

## GRANT SUPPORT FOR SCIENCE AND RESEARCH

Number of grant projects at the First Faculty of Medicine 2016–2020

Title of grant agency	2016		2017		2018		2019		2020	
	Faculty	General University Hospital	Faculty	General University Hospital	Faculty	General University Hospital	Faculty	General University Hospital	Faculty	General University Hospital
Grant Agency of Czech Republic	28	5	28	5	32	7	32	3	31	3
Grant Agency of Charles University	78	0	80	0	70	0	71	0	58	0
Grant agency of Ministry of Health	44	46	59	62	67	72	62	66	47	60
UNCE, PROGRES, PRIMUS	17	0	19	0	12	0	21	0	24	0
Technology Agency of the Czech Republic	3	2	5	2	3	4	5	5	11	7
Other ministries	16	1	20	1	15	1	13	2	25	8
International grants	18	6	13	6	11	10	10	11	10	7
Subtotal	204	60	224	76	210	94	214	87	206	85
<b>Total Faculty &amp; Hospital</b>		<b>264</b>		<b>300</b>		<b>304</b>		<b>301</b>		<b>291</b>

## Survey of numbers and success rates of the grant applications, by agencies between 2016 and 2020

Year of launching of the project	Grant Agency Czech Republic			Grant Agency Charles University			Agency for Health Research		
	Applications	Grants	%	Applications	Grants	%	Applications	Grants	%
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
2020	28	8	29	46	17	37	32	8	25

## Subsidies for science and research 2016–2020

Year	First Faculty of Medicine	General University Hospital	Total
2016	CZK 0	CZK 161,435,243	CZK 161,435,243
2017	CZK 354,817,338	CZK 209,638,651	CZK 564,455,989
2018	CZK 360,581,379	CZK 216,289,028	CZK 576,870,407
2019	CZK 379,404,901	CZK 198,375,265	CZK 577,780,166
2020	CZK 418,411,469	CZK 189,819,468	CZK 608,230,937

## Basic parameters of scientific activity at the First Faculty of Medicine of Charles University 2016–2020

	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 textbooks 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
2016	333,138	264 0	1,189.31 (262.029) <sup>1/2</sup>	954	1,987	1,540	50	615	642	817	2,583.9	37,351	1,185
2017	354,817	300 0	1,187.08 (277.241) <sup>1/2</sup>	1,093	1,924	1,622	60	576	657	798	3,089.6	43,068	1,279
2018	360,581	304 0	1,202.13 (302.709) <sup>1/2</sup>	1,082	1,948	1,694	58	639	704	832	3,256.3	50,212	1,355
2019	379,405	366 0	1,216.16 (369.85) <sup>1/2</sup>	893	1,997	1,742	50	631	767	884	4,118.9	59,982	1,405
2020	---	--- 0	1,218.16 (274.526) <sup>1/2</sup>	840									

<sup>1/</sup> From grants<sup>2/</sup> From Research Concepts – not available any more since 2015

## 2019 BIBLIOGRAPHY

Traditionally, 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 publications 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 31<sup>st</sup> January 2006, as updated by later Resolutions of the Scientific Council of the Faculty.

The survey of point values for particular categories, including the 2019 statistics, is given at page 83.

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 2019, the total of 1,997 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 1,742. In 2019, the total number of 884 authors from the First Faculty of Medicine of Charles University participated in publication of 665 original articles and 102 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 59,982, which is more by 9,770 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 83) and the First Faculty of Medicine as a whole. By 31<sup>st</sup> December 2019, 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). Highlighted in this list are the six articles that were awarded the Dean's Board prize for excellent publications in 2019.

### ORIGINAL AND SYNOPTIC PUBLICATIONS IN PERIODICALS IN QUARTILE Q1 BY THE AUTHOR'S ROLE<sup>1</sup>

BAKARDJIEVA - MIHAYLOVA, Violeta - ŠKVÁROVÁ, Karolina - SLÁMOVÁ, Martina - SVATOŇ, Michael - REJLOVÁ, Kateřina - ŽALIOVÁ, Markéta - DOBIÁŠOVÁ, Alena - FIŠER, Karel - STUHLÝ, Jan - GREGA, Marek - ROSOVÁ, Blanka - ZACHOVAL, Roman - KLÉZL, Petr - EIS, Václav - KINDLOVÁ, Eva - BÜCHLER, Tomáš - TRKA, Jan - **BOUBLÍKOVÁ, Ludmila**. Molecular Basis of Cisplatin Resistance in Testicular Germ Cell Tumors. *Cancers*. 2019, 11(9), 1316. ISSN 2072-6694. IF = 6.126, percentil: 85,041

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<sup>1</sup> Authors from the First Faculty of Medicine of Charles University are in the first position or are the corresponding authors (always highlighted in bold), sorted alphabetically according to the first author. Percentiles are according to the Science Citation Index Expanded. The works that received the Dean's College Award for excellent publication in 2019 are marked with an asterisk.

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**ŠIMONOVÁ, Anna** - SVOJANOVSKÁ, Barbora - TRYLČOVÁ, Jana - HUBÁLEK, Martin - MORAVČÍK, Ondřej - ZAVŘEL, Martin - PAVOVÁ, Marcela - HODEK, Jan - WEBER, Jan - CVAČKA, Josef - PAČES, Jan - CAHOVÁ, Hana. LC/MS analysis and deep sequencing reveal the accurate RNA composition in the HIV-1 virion. *Scientific Reports*. 2019, 9(June), 8697. ISSN 2045-2322. IF = 3.998, percentil: 76.761

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**TESAŘ, Adam** - MATĚJ, Radoslav - KUKAL, Jaromír - JOHANIDESOVÁ, Silvie - REKTOROVÁ, Irena - VYHNÁLEK, Martin - KELLER, Jiří - ELIÁŠOVÁ, Ilona - PAROBKOVÁ, Eva - SMĚTÁKOVÁ, Magdalena - MUŠOVÁ, Zuzana - **RUSINA, Robert**. Clinical Variability in P102L Gerstmann-Sträussler-Scheinker Syndrome. *Annals of Neurology*. 2019, 86(5), 643-652. ISSN 0364-5134. IF = 9.037, percentil: 95.833

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**TŮMOVÁ, Pavla** - DLUHOŠOVÁ, Jana - WEISZ, Filip - NOHYNKOVÁ, Eva. Unequal distribution of genes and chromosomes refers to nuclear diversification in the binucleated *Giardia intestinalis*. *International Journal for Parasitology*. 2019, 49(6), 463-470. ISSN 0020-7519. IF = 3.530, percentil: 85.526

**UHER, Tomáš** - VANĚČKOVÁ, Manuela - KRÁSENSKÝ, Jan - SOBÍŠEK, Lukáš - TÝBLOVÁ, Michaela - VOLNÁ, Jana - SEIDL, Zdeněk - BERGLAND, Niels - DWYER, Michael G. - ZIVADINOV, Robert - DE STEFANO, Nicola - SORMANI, Maria Pia - KUBALA HAVRDOVÁ, Eva - HORÁKOVÁ, Dana. Pathological cut-offs of global and regional brain volume loss in multiple sclerosis. *Multiple Sclerosis Journal*. 2019, 25(4), 541-553. ISSN 1352-4585. IF = 5.412, percentil: 84.595

**VACÍK, Tomáš** - KEREČIČE, Sami - RAŠKA, Ivan - CMARKO, Dušan - **SMIRNOV, Evgeny**. Life time of some RNA products of rDNA intergenic spacer in HeLa cells. *Histochemistry and Cell Biology*. 2019, 152(4), 271-280. ISSN 0948-6143. IF = 3.418, percentil: 95.000

\* **VALÁŠKOVÁ, Petra** - DVOŘÁK, Aleš - LENÍČEK, Martin - ŽIŽALOVÁ, Kateřina - KUTINOVÁ-CANOVÁ, Nikolína - ZELENKA, Jaroslav - CAHOVA, Monika - VÍTEK, Libor - **MUCHOVÁ, Lucie**. Hyperbilirubinemia in Gunn Rats Is Associated with Decreased Inflammatory Response in LPS-Mediated Systemic Inflammation. *International Journal of Molecular Sciences [online]*. 2019, 20(9), 2306. ISSN 1422-0067. IF = 4.556, percentil: 75.253

**VALUŠKOVÁ, Paulína** - RILJAK, Vladimír - FORCZEK, Sandor T. - FARÁR, Vladimír - **MYSLIVEČEK, Jaromír**. Variability in the Drug Response of M-4 Muscarinic Receptor Knockout Mice During Day and Night Time. *Frontiers in Pharmacology*. 2019, 10(March), 237. ISSN 1663-9812. IF = 4.225, percentil: 80.996

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**VAŠÁKOVÁ, Martina** - SELMAN, Moises - MORELL, Ferran - ŠTERCLOVÁ, Martina - MOLINA-MOLINA, Maria - RAGHU, Ganesh. Hypersensitivity Pneumonitis: Current Concepts of Pathogenesis and Potential Targets for Treatment. *American Journal of Respiratory and Critical Care Medicine*. 2019, 200(3), 301-308. ISSN 1073-449X. IF = 17.452, percentil: 97.656

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**VOČKA, Michal** - ZIMOVJANOVÁ, Martina - BIELČIKOVÁ, Zuzana - TESAŘOVÁ, Petra - PETRUŽELKA, Luboš - MATĚJŮ, Martin - KŘÍŽOVÁ, Ľudmila - KOTLAS, Jaroslav - SOUKUPOVÁ, Jana - JANATOVÁ, Markéta - ZEMÁNKOVÁ, Petra - KLEIBLOVÁ, Petra - NOVOTNÝ, Jan - KONOPÁSEK, Bohuslav - CHODACKÁ, Martina - BRYCHTA, Milan - SOCHOR, Marek - ŠMEJKALOVÁ-MUSILOVÁ, Denisa - ČMEJLOVÁ, Vlastimila - KOZEVNÍKOVÁ, Renata - MIŠKÁŘOVÁ, Lenka - ARGALÁCSOVÁ, Soňa - STOLÁŘOVÁ, Lenka - LHOTOVÁ, Klára - BORECKÁ, Marianna - **KLEIBL, Zdeněk**. Estrogen Receptor Status Oppositely Modifies Breast Cancer Prognosis in BRCA1/BRCA2 Mutation Carriers Versus Non-Carriers. *Cancers*. 2019, 11(6), 1-15. ISSN 2072-6694. IF = 6.126, percentil: 85.041

**VRABLÍK, Michal** - CATAPANO, Alberico L. - WIKLUND, Olov - QIAN, Yi - RANE, Pratik - GROVE, Alyson - MARTIN, Mona L. Understanding the Patient Perception of Statin Experience: A Qualitative Study. *Advances in Therapy*. 2019, 36(10), 2723-2743. ISSN 0741-238X. IF = 3.871, percentil: 76.111

VREMAN, Hendrik J. - KOURULA, Stephanie - JAŠPROVÁ, Jana - LUDVÍKOVÁ, Lucie - KLÁN, Petr - MUCHOVÁ, Lucie - **VÍTEK, Libor** - CLINE, Benjamin K. - WONG, Ronald J. - STEVENSON, David K. The effect of light wavelength on in vitro bilirubin photodegradation and photoisomer production. *Pediatric Research*. 2019, 85(6), 865-873. ISSN 0031-3998. IF = 2.747, percentil: 81.641

**VYMETÁLKOVÁ, Veronika** - VODIČKA, Pavel - VODENKOVÁ, Soňa - ALONSO, Sergio - SCHNEIDER-STOCK, Regine. DNA methylation and chromatin modifiers in colorectal cancer. *Molecular Aspects of Medicine*. 2019, 69(October), 73-92. ISSN 0098-2997. IF = 9.577, percentil: 95.290

Publications in journals with the highest IF in 2019, in which authors from the First Faculty of Medicine of Charles University published

IF 2019	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
20.000–74.699	30	0
15.000–19.999	21	4
10.000–14.999	22	3
8.000–9.999	23	7
7.000–7.999	14	1
6.000–6.999	28	11
5.000–5.999	46	20
<b>Total</b>	<b>184</b>	<b>46</b>

Total publishing output of the First Faculty of Medicine of Charles University in 2017–2019 – survey

Type of document	BIB points	2017	2018	2019	
Primary publication in scientific / professional journal with IF	10	581	619	665	
Primary publication in scientific / professional journal without IF – indexed	2	128	148	112	
Primary publication in scientific / professional journal without IF – not indexed	1.5	85	103	100	
Synoptic article in scientific / professional journal with IF	7	76	85	102	
Synoptic article in scientific / professional journal without IF – indexed	3	157	133	118	
Synoptic article in scientific / professional journal without IF – not indexed	2	206	255	301	
Translation of article in scientific / professional journal, or of chapter in monograph to Czech language	0.25	0	4	15	
Translation of article in scientific / professional journal, or of chapter in monograph from Czech language	0.5	0	0	0	
Review	0	17	13	9	
Case study in scientific / professional journal with IF	3	14	18	19	
Case study in scientific / professional journal without IF – not indexed	1	38	42	23	
Case study in scientific / professional journal without IF – not indexed	0.75	53	41	59	
Popularizing article <sup>a)</sup>	0.2	29	6	8	
Other type of article <sup>b)</sup>	0.2	170	160	151	
Abstract of conference presentation in scientific / professional journal with IF	not collected <sup>d)</sup>	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	21	15	35	
Letter to the editors in scientific / professional journal without IF	0.5	4	1	1	
Editorial in scientific / professional journal with IF	5	4	5	4	
Editorial in scientific / professional journal without IF	0.25	30	24	19	
Publication in conference proceedings – in Czech / Slovak language	1	37	86	45	
Publication in conference proceedings – in other than Czech / Slovak language	2	10	11	24	
Monograph – in Czech / Slovak language <sup>1,2</sup>	0.5	48	47	33	
Monograph – in other than Czech / Slovak language <sup>1,2</sup>	1	2	4	2	
Textbook, proceedings/collection – in Czech / Slovak language <sup>1</sup>	0.5	8	7	14	
Textbook, proceedings/collection – in other than Czech / Slovak language <sup>1</sup>	1	2	0	1	
Chapter in monograph, textbook, collection (not conference proceedings) – in Czech / Slovak language <sup>1,2</sup>	0.5	47	34	65	



Type of document	BIB points	2017	2018	2019	
Chapter in monograph, textbook, collection (not conference proceedings) – in other than Czech / Slovak language <sup>1,2</sup>	1	20	13	20	
Cyclopaedia, dictionary, reference book, yearbook, review manual, popularizing scientific book <sup>3</sup> / chapter(s) in such books – in Czech / Slovak language <sup>1</sup>	0.2	11	14	11	
Cyclopaedia, dictionary, reference book, yearbook, review manual, popularizing scientific book <sup>3</sup> / chapter(s) in such books – in other than Czech / Slovak language <sup>1</sup>	0.4	0	1	1	
Translation of monograph / chapter in monograph – to Czech language <sup>1</sup>	0.15	1	0	0	
Translation of monograph / chapter in monograph – from Czech language <sup>1</sup>	0.3	0	0	0	
Patents and inventions	10	6	4	7	
Technologies, treatment procedures	10	3	0	0	
Habilitation, dissertation and doctorate thesis	2	2	3	4	
AV design, SW, internet resource, e-learning, conference, workshop, exhibition	2	34	41	27	
miscellaneous, other results	0	80	11	2	<b>Note</b>
<b>Total number of publication items</b>		1,924	1,948	1,997	<i>I</i>
Number of authors from the First Faculty of Medicine of Charles University		1,622	1,694	1,742	<i>II</i>
Total IF of publications in the category primary/synoptic article with IF		3,089.94	3,256.286	4,118.865	<i>III</i>
Number of authors from the First Faculty of Medicine, publishing in journals with IF		798	832	884	<i>IV</i>
Number of citations in SCI		43,068	50,212	59,982	<i>V</i>
Number of authors from the First Faculty of Medicine, quoted in SCI		1,279	1,355	1,405	<i>VI</i>

**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, for example, in acknowledgements for supplying particular statistic data etc.)

<sup>1</sup> Value of books and chapters is calculated for every commenced 5 printed pages of the respective publication.

<sup>2</sup> 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). For calculation with the 2019 data, the constants are as follows: Q1 = 5.223; Q2 = 3.121; Q3 = 1.990; Q4 = 1.106

*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 2019 – organization units

Organization unit	BIB	BIB – standing without conversion to full-time positions	SCI	SCI – standing without conversion to full-time positions	IF	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF	Total BIB, SCI and IF – standing without conversion to full-time positions
Institute of Anatomy, First Faculty of Medicine, Charles University	94.15	16	157.99	12	56.67	15	580.13	13
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – the First Faculty of Medicine and General University Hospital	3.36	68	1.93	66	2.61	57	15.05	66
BIOCEV – First Faculty of Medicine, Charles University	125.14	11	117.35	16	97.62	8	652.69	11
Center for Advanced Preclinical Imaging, First Faculty of Medicine, Charles University	23.80	50	12.63	53	16.05	36	97.22	47
Centre of Experimental Biomodels, First Faculty of Medicine, Charles University	0.37	71	0.33	71	0.12	64	1.39	72
Department of Dermatology and Venereology, First Faculty of Medicine, Charles University and General University Hospital in Prague	47.93	36	21.97	46	11.65	42	126.82	44
Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	81.86	22	94.02	20	69.41	13	478.15	15
Department of Phoniatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	10.92	60	1.48	68	0	67-74	13.87	67
Institute of Physiology, First Faculty of Medicine, Charles University	80.27	23	58.23	30	51.95	18	352.60	24
Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	19.64	53	101.81	17	12.28	41	260.11	29
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and Bulovka University Hospital, Prague	74.95	28	42.53	39	4.89	54	174.70	41
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	129.51	10	332.38	5	70.65	12	1 006.22	6
Department of Surgery, First Faculty of Medicine, Charles University and Bulovka University Hospital, Prague	6.56	65	1.17	69	0	67-74	8.89	70
Department of Surgery, First Faculty of Medicine, Charles University and Thomayer University Hospital	3.57	67	7.54	54	1.18	61	22.19	65
1 <sup>st</sup> Department of Surgery – Department of Abdominal, Thoracic Surgery and Traumatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	34.58	43	99.36	18	4.69	55	247.36	33
1 <sup>st</sup> Department of Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	40.89	40	76.78	25	17.84	33	247.96	31
1 <sup>st</sup> Department of Tuberculosis and Respiratory Diseases, First Faculty of Medicine, Charles University and General University Hospital in Prague	7.11	64	5.81	56	1.87	59	24.32	63
2 <sup>nd</sup> Department of Surgery – Department of Cardiovascular Surgery, First Faculty of Medicine, Charles University and General University Hospital in Prague	37.75	41	54.50	33	11.23	43	180.43	38
2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	158.52	7	246.15	9	71.54	11	865.43	9

Organization unit	BIB	BIB – standing without conversion to full-time positions	SCI	SCI – standing without conversion to full-time positions	IF	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF	Total BIB, SCI and IF – standing without conversion to full-time positions
3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	31.54	44	46.07	37	30.49	26	215.15	36
3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	581.41	1	388.79	4	142.62	3	1 786.85	3
Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague	50.15	35	55.84	31	9.14	47	189.24	37
4 <sup>th</sup> Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	110.60	13	195.76	10	34.61	24	605.95	12
Department of Addictology of Charles University – First Faculty of Medicine and General University Hospital	139.90	9	55.56	32	52.97	17	409.92	18
Department of Anaesthesiology and Intensive Care, First Faculty of Medicine, Charles University and Military University Hospital Prague	2.95	69	3.16	64	0.57	62	10.98	68
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine and General University Hospital	75.59	27	79.79	24	41.60	21	359.96	23
Department of Infectious and Tropical Diseases, First Faculty of Medicine, Charles University and Bulovka University Hospital, Prague	12.58	59	13.42	51	2.71	56	47.56	57
Department of Infectious Diseases, First Faculty of Medicine, Charles University and Military University Hospital Prague	54.42	33	30.34	41	13.09	40	154.37	42
Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	73.56	29	125.10	13	45.82	20	461.21	17
Department of Orthopaedics, First Faculty of Medicine, Charles University and Military University Hospital Prague	15.28	57	15.23	49	8.50	49	71.24	54
Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol	98.73	14	64.16	27	85.99	9	485.01	14
Department of Paediatrics and Inherited Metabolic Disorders	274.34	3	45 2.85	2	226.30	2	1 858.93	2
Department of Plastic Surgery, First Faculty of Medicine, Charles University and Bulovka University Hospital, Prague	7.11	63	13.41	52	2.21	58	40.57	61
Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	113.61	12	118.95	15	37.49	23	464.00	16
Department of Rehabilitation Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	22.90	52	5.54	58	14.04	38	76.09	52
Department of Spondylosurgery, First Faculty of Medicine, Charles University and University Hospital Motol	22.99	51	3.77	63	6.11	53	48.87	56
Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital Prague	89.02	19	93.85	21	39.48	22	395.16	19

Organization unit	BIB	BIB – standing without conversion to full-time positions	SCI	SCI – standing without conversion to full-time positions	IF	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF	Total BIB, SCI and IF – standing without conversion to full-time positions
Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	394.22	2	528.44	1	301.56	1	2 355.78	1
Department of Ophthalmology, First Faculty of Medicine, Charles University and Military University Hospital Prague	0.27	72	0.57	70	0	67-74	1.41	71
Department of Ophthalmology, First Faculty of Medicine, Charles University and General University Hospital in Prague	31.17	45	15.67	48	21.73	29	127.70	43
Department of Oncology of Charles University – First Faculty of Medicine and Thomayer University Hospital	96.80	15	26.76	43	32.37	25	247.43	32
Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	69.65	30	54.13	34	19.11	31	235.22	34
Department of Oncology, First Faculty of Medicine, Charles University, General University Hospital in Prague and Military University Hospital Prague	1.86	70	4.07	62	0.08	65	10.23	69
Department of Orthopaedics, First Faculty of Medicine, Charles University and Bulovka University Hospital, Prague	28.04	48	28.77	42	10.17	45	116.08	45
Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol	89.74	18	62.88	28	16.87	35	266.12	28
Department of Paediatrics, First Faculty of Medicine, Charles University and Thomayer University Hospital	8.47	61	4.67	60	11.21	44	51.43	55
Department of Respiratory Medicine, First Faculty of Medicine, Charles University and Thomayer University Hospital	47.70	37	40.24	40	15.53	37	174.77	40
Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	219.11	4	303.41	6	100.27	6	1 126.74	5
Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	61.77	32	58.34	29	25.99	28	256.42	30
Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	191.80	6	261.44	7	80.83	10	957.17	8
Institute of Sexology, First Faculty of Medicine, Charles University and General University Hospital in Prague	29.77	47	22.37	45	6.98	51	95.47	48
Department of Stomatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	53.85	34	124.23	14	28.14	27	386.74	21
Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague	83.57	21	88.14	23	13.95	39	301.72	26
Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University	75.94	26	44.56	38	55.02	16	330.11	25
Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University	24.17	49	99.02	19	17.44	34	274.54	27
Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	140.82	8	247.27	8	121.63	5	1 000.24	7
Institute for History of Medicine and Foreign Languages, First Faculty of Medicine, Charles University	35.91	42	3.12	65	0	67-74	42.15	60

Organization unit	BIB	BIB – standing without conversion to full-time positions	SCI	SCI – standing without conversion to full-time positions	IF	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF	Total BIB, SCI and IF – standing without conversion to full-time positions
Institute of Histology and Embryology, First Faculty of Medicine, Charles University	12.72	58	24.87	44	7.66	50	85.45	51
Institute for Medical Humanities, First Faculty of Medicine, Charles University	77.70	25	5.24	59	0.07	66	88.36	49
Institute of Hygiene and Epidemiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	45.68	38	50.61	35	9.66	46	175.90	39
Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	61.97	31	92.93	22	48.35	19	392.90	20
Institute of Clinical and Experimental Haematology, First Faculty of Medicine, Charles University and Institute of Haematology and Blood Transfusion	17.56	56	14.01	50	8.61	48	71.42	53
Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - the First Faculty of Medicine and General University Hospital	200.98	5	401.92	3	98.89	7	1 301.47	4
Institute of Nuclear Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	18.02	55	5.77	57	19.13	30	86.96	50
Institute of Pathological Physiology, First Faculty of Medicine, Charles University	93.24	17	172.39	11	122.81	4	806.44	10
Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	88.66	20	50.13	36	64.75	14	383.18	22
Institute of Radiation Oncology, First Faculty of Medicine, Charles University and Bulovka University Hospital, Prague	7.75	62	5.96	55	1.42	60	23.91	64
Institute of Forensic Medicine and Toxicology, First Faculty of Medicine, Charles University and General University Hospital in Prague	18.50	54	73.24	26	18.31	32	219.91	35
Institute of Physical Education, First Faculty of Medicine, Charles University	0	73-74	0	72-74	0	67-74	0	73-74
Institute of Sports Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	5.59	66	19.12	47	0.37	63	44.95	59
Institute of Nursing Theory and Practice, First Faculty of Medicine, Charles University	29.83	46	0	72-74	0	67-74	29.83	62
Institute of Scientific Information, First Faculty of Medicine, Charles University and General University Hospital in Prague	0	73-74	0	72-74	0	67-74	0	73-74
Institute of Public Health and Medical Law, First Faculty of Medicine, Charles University	41.44	39	1.89	67	0	67-74	45.21	58
Institute of General Practice, First Faculty of Medicine, Charles University	80.07	24	4.47	61	6.77	52	109.33	46

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. BIB/SCI/IF have been weighted in the total as 1:2:3 respectively (as decided by the Scientific Board of the Faculty on 31<sup>st</sup> 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 – by organization units – conversion to full-time positions of academic staff– TOP 40 – 2019

Organization unit	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	Total BIB. & IF – standing per position after conversion
Institute of Anatomy, First Faculty of Medicine, Charles University	23.59	3.991	44	6.697	32	2.402	36	24.592	38
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine and General University Hospital	1.80	1.867	64	1.071	63	1.451	49	8.363	62
BIOCEV – First Faculty of Medicine, Charles University	33.85	3.697	47	3.467	49	2.884	32	19.282	45
Center for Advanced Preclinical Imaging, First Faculty of Medicine, Charles University	10.00	2.380	59	1.263	61	1.605	47	9.722	60
Centre of Experimental Biomodels, First Faculty of Medicine, Charles University	0	0	72–74	-	71–74	-	66–74	-	71–74
Department of Dermatology and Venereology, First Faculty of Medicine, Charles University and General University Hospital in Prague	5.20	9.217	22	4.224	47	2.241	38	24.389	39
Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	10.95	7.476	28	8.587	23	6.339	10	43.666	20
Department of Phoniatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	2.80	3.899	45	0.527	66	0	66–74	4.953	67
Institute of Physiology, First Faculty of Medicine, Charles University	22.55	3.560	50	2.582	53	2.304	37	15.636	51
Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	4.20	4.677	40	24.241	5	2.924	31	61.931	10
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	3.80	19.723	7	11.193	17	1.288	50	45.973	18
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	18.30	7.077	30	18.163	6	3.861	21	54.985	11
Department of Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	3.10	2.115	63	0.377	67	0	66–74	2.868	70
Department of Surgery, First Faculty of Medicine, Charles University and Thomayer Hospital	2.80	1.276	68	2.694	51	0.420	60	7.926	63
1 <sup>st</sup> Department of Surgery – Department of Abdominal, Thoracic Surgery and Traumatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	16.10	2.148	62	6.171	35	0.291	61	15.364	52



Organization unit	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	Total BIB. & IF – standing per position after conversion
1 <sup>st</sup> Department of Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	14.45	2.830	56	5.313	41	1.235	51	17.160	48
1 <sup>st</sup> Department of Tuberculosis and Respiratory Diseases, First Faculty of Medicine, Charles University and General University Hospital in Prague	2.70	2.632	57	2.150	55	0.691	58	9.006	61
2 <sup>nd</sup> Department of Surgery – Department of Cardiovascular Surgery, First Faculty of Medicine, Charles University and General University Hospital in Prague	3.60	10.486	17	15.138	10	3.120	28	50.120	16
2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	15.90	9.970	18	15.481	9	4.499	17	54.429	13
3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	7.80	4.043	43	5.906	38	3.909	20	27.583	32
1 <sup>st</sup> Department of Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	40.45	14.374	10	9.612	19	3.526	25	44.174	19
Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague	5.20	9.644	20	10.738	18	1.757	46	36.392	24
4 <sup>th</sup> Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	22.40	4.938	39	8.739	22	1.545	48	27.051	33
Department of Addictology of Charles University – First Faculty of Medicine and General University Hospital	21.85	6.403	35	2.543	54	2.424	35	18.761	46
Department of Anaesthesiology and Intensive Care, First Faculty of Medicine, Charles University and Military University Hospital Prague	2.35	1.256	69	1.346	59	0.242	62	4.674	68
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine and General University Hospital	5.40	13.998	11	14.776	11	7.703	8	66.659	8
Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague *	2.90	4.337	41	4.629	45	0.934	56	16.399	50
Department of Infectious and Tropical Diseases, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	5.95	9.147	23	5.100	44	2.199	40	25.945	36

Organization unit	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	Total BIB. & IF – standing per position after conversion
Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	8.50	8.654	25	14.717	12	5.391	12	54.260	14
Department of Orthopaedics, First Faculty of Medicine, Charles University and Military University Hospital Prague	1.70	8.987	24	8.959	20	5.001	13	41.909	21
Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol	8.85	11.156	14	7.249	28	9.716	4	54.804	12
Department of Plastic Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	66.53	4.124	42	6.807	30	3.402	26	27.943	30
Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	1.85	3.844	46	7.251	27	1.196	53	21.932	40
Department of Rehabilitation Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	4.60	24.698	5	25.859	4	8.151	7	100.870	4
Department of Spondylosurgery, First Faculty of Medicine, Charles University and University Hospital Motol	7.50	3.054	55	0.738	64	1.872	44	10.145	59
Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital Prague	0.70	32.843	4	5.389	40	8.733	6	69.821	7
Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	5.35	16.639	9	17.542	7	7.380	9	73.862	6
Department of Ophthalmology, First Faculty of Medicine, Charles University and Military University Hospital Prague	31.15	12.656	13	16.964	8	9.681	5	75.627	5
Department of Ophthalmology, First Faculty of Medicine, Charles University and General University Hospital in Prague	2.30	0.118	71	0.246	69	0	66–74	0.611	71
Department of Oncology of Charles University – First Faculty of Medicine and Thomayer University Hospital	5.95	5.238	37	2.634	52	3.653	23	21.463	41
Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	0.95	101.899	2	28.166	3	34.074	2	260.455	2
Department of Oncology, First Faculty of Medicine, Charles University, General University Hospital in Prague and Military University Hospital Prague	6.45	10.80	16	8.392	24	2.962	30	36.468	23
Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	0.60	3.096	53	6.778	31	0.132	63	17.047	49
Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol	4.05	6.924	31	7.103	29	2.511	34	28.662	29

Organization unit	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	Total BIB. & IF – standing per position after conversion
Department of Paediatrics, First Faculty of Medicine, Charles University and Thomayer Hospital	8.30	10.812	15	7.576	26	2.033	42	32.063	27
Department of Respiratory Medicine, First Faculty of Medicine, Charles University and Thomayer Hospital	2.40	3.528	51	1.946	58	4.670	15	21.431	42
Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	2.75	17.344	8	14.634	13	5.647	11	63.554	9
Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	22.23	9.859	19	13.652	15	4.512	16	50.697	15
Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	7.25	8.521	26	8.046	25	3.585	24	35.369	25
Institute of Sexology, First Faculty of Medicine, Charles University and General University Hospital in Prague	4.00	47.950	3	65.360	2	20.207	3	239.292	3
Department of Stomatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	0.20	148.837	1	111.869	1	34.920	1	477.336	1
Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague	28.85	1.867	65	4.306	46	0.976	55	13.405	57
Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University	6.30	13.266	12	13.991	14	2.215	39	47.893	17
Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University	21.70	3.500	52	2.053	57	2.535	33	15.213	53
Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	18.90	1.279	67	5.239	42	0.923	57	14.526	54
Institute for History of Medicine and Foreign Languages, First Faculty of Medicine, Charles University	39.29	3.585	49	6.294	34	3.096	29	25.460	37
Institute of Histology and Embryology, First Faculty of Medicine, Charles University	14.60	2.460	58	0.214	70	0	66–74	2.887	69
Institute for Medical Humanities, First Faculty of Medicine, Charles University	11.70	1.087	70	2.125	56	0.655	59	7.303	65
Institute of Hygiene and Epidemiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	8.15	9.533	21	0.642	65	0.008	65	10.842	58
Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	8.50	5.375	36	5.954	37	1.137	54	20.694	44

Organization unit	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	Total BIB. & IF – standing per position after conversion
Institute of Clinical and Experimental Haematology, First Faculty of Medicine, Charles University and Institute of Haematology and Blood Transfusion	27.05	2.291	60	3.436	50	1.788	45	14.525	55
Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine and General University Hospital	2.10	8.362	27	6.673	33	4.101	18	34.010	26
Institute of Nuclear Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	31.16	6.450	33	12.899	16	3.173	27	41.767	22
Institute of Pathological Physiology, First Faculty of Medicine, Charles University	5.00	3.604	48	1.154	62	3.827	22	17.391	47
Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	30.25	3.082	54	5.699	39	4.060	19	26.659	34
Institute of Radiation Oncology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	13.80	6.425	34	3.633	48	4.692	14	27.767	31
Institute of Forensic Medicine and Toxicology, First Faculty of Medicine, Charles University and General University Hospital in Prague	1.15	6.740	32	5.179	43	1.231	52	20.790	43
Institute of Physical Education, First Faculty of Medicine, Charles University	8.34	2.219	61	8.784	21	2.197	41	26.377	35
Institute of Sports Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	10.50	0	72–74	0	71–74	0	66–74	0	71–74
Institute of Nursing Theory and Practice, First Faculty of Medicine, Charles University	3.15	1.773	66	6.071	36	0.118	64	14.270	56
Institute of Scientific Information, First Faculty of Medicine, Charles University and General University Hospital in Prague	6.00	4.972	38	0	71–74	0	66–74	4.972	66
Institute of Public Health and Medical Law, First Faculty of Medicine, Charles University	2.60	0	72–74	0	71–74	0	66–74	0	71–74
Institute of General Practice, First Faculty of Medicine, Charles University	5.80	7.144	29	0.326	68	0	66–74	7.796	64
Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	3.45	23.210	6	1.296	60	1.963	43	31.691	28

BIB/SCI/IF have been weighted in the total as 1:2:3 respectively (as decided by the Scientific Board of the Faculty on 31<sup>st</sup> 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.

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 31<sup>st</sup> December 2019.

## Bibliography, SCI, IF – authors – TOP 40 – 2019

Stan- ding	Author (surname, first name)	Organization unit	BIB	SCI	IF	BIB+ 2xSCI+ 3xIF
1.	Cibula David	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	22.888	145.389	32.164	410.159
2.	Vítek Libor	4 <sup>th</sup> Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague + 4 <sup>th</sup> Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	27.254	133.819	29.395	383.077
3.	Dušek Petr	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	24.437	67.067	34.445	261.905
4.	Kubala Havrdová Eva	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	6.440	106.833	5.663	237.096
5.	Fišar Zdeněk	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	16.251	69.789	14.549	199.476
6.	Stibůrková Blanka	Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	20.880	36.759	30.650	186.349
7.	Linhart Aleš	2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	13.757	61.015	14.607	179.606
8.	Růžicka Evžen	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	38.858	44.794	15.866	176.045
9.	Rusz Jan	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	23.220	32.848	28.071	173.128
10.	Klener Pavel, jr.	Institute of Pathological Physiology, First Faculty of Medicine, Charles University + 1 <sup>st</sup> Department of Medicine - Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	17.000	12.982	43.173	172.481
11.	Šenolt Ladislav	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	41.042	49.274	10.950	172.439
12.	Cífková Renata	2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	33.847	36.308	20.145	166.895
13.	Bezdiček Ondřej	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	24.597	32.671	23.864	161.529
14.	Büchler Tomáš	Department of Oncology of Charles University – First Faculty of Medicine and Thomayer Hospital	62.131	16.835	21.755	161.067
15.	Topinková Eva	Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	3.830	73.879	2.058	157.761
16.	Zacharov Sergej	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	51.900	40.832	7.577	156.297
17.	Pavelka Karel	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	9.698	62.818	6.757	155.604
18.	Lišková Petra	Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	21.437	26.478	26.805	154.810
19.	Kalousová Marta	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine and General University Hospital	17.759	57.684	6.810	153.559
20.	Fried Martin	1 <sup>st</sup> Department of Surgery – Department of Abdominal, Thoracic Surgery and Traumatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	0	75.668	0	151.335
21.	Pelclová Daniela	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	18.519	48.602	11.252	149.478
22.	Tesař Vladimír	Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	13.570	59.885	4.551	146.994

Stan- ding	Author (surname, first name)	Organization unit	BIB	SCI	IF	BIB+ 2xSCI+ 3xIF
23.	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	11.527	50.463	5.879	130.088
24.	Fischerová Daniela	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	8.535	53.385	2.582	123.050
25.	Vodička Pavel	Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	17.046	20.237	20.867	120.122
26.	Ptáček Radek	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	48.674	22.082	9.025	119.911
27.	Dundr Pavel	Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	20.153	22.874	17.267	117.701
28.	Doležalová Pavla	Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	12.818	26.008	17.146	116.270
29.	Haluzík Martin	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - the First Faculty of Medicine and General University Hospital	26.285	26.510	12.051	115.457
30.	Raboch Jiří	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	26.073	36.303	4.811	113.110
31.	Vrablík Michal	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	55.470	13.166	9.698	110.895
32.	Zikmundová Magdalena	Institute of Pathological Physiology, First Faculty of Medicine, Charles University + 1 <sup>st</sup> Department of Medicine - Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	13.519	15.644	21.182	108.353
33.	Smetana Karel	Institute of Anatomy, First Faculty of Medicine, Charles University + BIOCEV – First Faculty of Medicine, Charles University	13.853	32.183	8.609	104.047
34.	Rusina Robert	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	36.938	2.206	20.485	102.805
35.	Vašáková Martina	Department of Respiratory Medicine, First Faculty of Medicine, Charles University and Thomayer Hospital	14.308	32.200	7.906	102.426
36.	Netuka David	Department of Neurosurgery, First Faculty of Medicine, Charles University and Military University	33.528	16.746	11.432	101.315
37.	Šíma Martin	Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	18.056	6.181	23.434	100.718
38.	Trněný Marek	1 <sup>st</sup> Department of Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	7.054	39.767	2.940	95.410
39.	Král Vladimír	Biocev, First Faculty of Medicine, Charles University	14.799	7.556	21.626	94.790
40.	Fialová Daniela	Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	11.333	26.130	10.222	94.260

BIB/SCI/IF have been weighted in the total as 1:2:3 respectively (as decided by the Scientific Board of the Faculty on 31<sup>st</sup> 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 – 2019

Stan- ding	Author (surname, first name)	Organization unit	BIB
1.	Büchler Tomáš	Department of Oncology of Charles University – First Faculty of Medicine and Thomayer Hospital	62.131
2.	Widimský Jiří	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	57.010
3.	Vrablík Michal	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	55.470



Stan- ding	Author (surname, first name)	Organization unit	BIB
4.	Zacharov Sergej	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	51.900
5.	Seifert Bohumil	Institute of General Practice, First Faculty of Medicine, Charles University	49.938
6.	Ptáček Radek	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	48.674
7.	Zlatohlávek Lukáš	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	48.528
8.	Marek Josef	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	44.624
9.	Šenolt Ladislav	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	41.042
10.	Růžička Evžen	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	38.858
11.	Rusina Robert	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	36.938
12.	Svačina Štěpán	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	35.183
13.	Štefan Marek	Department of Infectious Diseases, First Faculty of Medicine, Charles University and Military University Hospital Prague	33.976
14.	Cífková Renata	2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	33.847
15.	Netuka David	Department of Neurosurgery, First Faculty of Medicine, Charles University and Military University	33.528
16.	Kopsa Těšínová Jolana	Institute of Public Health and Medical Law, First Faculty of Medicine, Charles University	32.765
17.	Vančíková Zuzana	Department of Paediatrics and Inherited Metabolic Disorders	31.500
18.	Zikán Michal	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and Bulovka University Hospital, Prague	29.134
19.	Lukáš Karel	4 <sup>th</sup> Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	28.533
20.	Hána Václav	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	28.170
21.	Vítek Libor	Institute of Medical Biochemistry and Laboratory Diagnostics, First Faculty of Medicine, Charles University + 4 <sup>th</sup> Medical Department – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University, and General University Hospital	27.254
22.	Vavřda Vladimír	Institute for Medical Humanities, First Faculty of Medicine, Charles University	26.500
23.	Haluzík Martin	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine and General University Hospital	26.285
24.	Raboch Jiří	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	26.073
25.	Zámečník Libor	Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague	24.625
26.	Bezdiček Ondřej	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	24.597
27.	Lípa Jan, JUDr	Institute for Medical Humanities, First Faculty of Medicine, Charles University	24.500
28.	Dušek Petr	Department of Neurology + Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	24.437
29.	Dubová Olga	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	23.467
30.	Mašata Jaromír	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	23.313
31.	Rusz Jan	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	23.220
32.	Lambert Lukáš	Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	22.961
33.	Cibula David	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	22.888
34.	Fulín Petr	1 <sup>st</sup> Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol	22.198
35.	Lišková Petra	Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	21.437
36.	Vavřík Pavel	Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol	21.042
37.	Stibůrková Blanka	Department of Paediatrics and Inherited Metabolic Disorders	20.880
38.	Vočka Michal	Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	20.821
39.	Dundr Pavel	Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	20.153
40.	Jiráček Daniel	Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University	19.222

## SCI – authors – TOP 40 – 2019

Stan- ding	Author (surname, first name)	Organization unit	SCI
1.	Cibula David	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	145.389
2.	Vítek Libor	Institute of Medical Biochemistry and Laboratory Diagnostics, First Faculty of Medicine, Charles University + 4 <sup>th</sup> Medical Department - Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University, and General University Hospital	133.819
3.	Kubala Havrdová Eva	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	106.833
4.	Fried Martin	1 <sup>st</sup> Department of Surgery – Department of Abdominal, Thoracic Surgery and Traumatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	75.668
5.	Topinková Eva	Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	73.879
6.	Fišar Zdeněk	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	69.789
7.	Dušek Petr	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	67.067
8.	Pavelka Karel	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	62.818
9.	Linhart Aleš	2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	61.015
10.	Tesař Vladimír	Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	59.885
11.	Kalousová Marta	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine and General University Hospital	57.684
12.	Fischerová Daniela	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	53.385
13.	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	50.463
14.	Šenolt Ladislav	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	49.274
15.	Pelclová Daniela	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	48.602
16.	Růžicka Evžen	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	44.794
17.	Bělohávek Jan	2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	41.765
18.	Zacharov Sergej	Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	40.832
19.	Trněný Marek	1 <sup>st</sup> Department of Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	39.767
20.	Stibůrková Blanka	Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	36.759
21.	Soukup Viktor	Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague	36.683
22.	Cífková Renata	2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	36.308
23.	Raboch Jiří	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	36.303
24.	Netuka Ivan	2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	35.045
25.	Škrha Jan	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	34.272
26.	Zima Tomáš	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – First Faculty of Medicine and General University Hospital	33.172
27.	Balíková Marie	Institute of Forensic Medicine and Toxicology, First Faculty of Medicine, Charles University and General University Hospital in Prague	33.104
28.	Rusz Jan	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	32.848
29.	Bezdiček Ondřej	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	32.671
30.	Vašáková Martina	Department of Respiratory Medicine, First Faculty of Medicine, Charles University and Thomayer Hospital	32.200
31.	Smetana Karel	Institute of Anatomy, First Faculty of Medicine, Charles University + BIOCEV – First Faculty of Medicine, Charles University	32.183
32.	Kmoch Stanislav	Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	32.164

Stan- ding	Author (surname, first name)	Organization unit	SCI
33.	Nevšímalová Soňa	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	32.157
34.	Závada Jakub	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	29.462
35.	Štěpán Jan	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	29.311
36.	Raška Ivan	Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	29.229
37.	Zikán Michal	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and Bulovka University Hospital, Prague	29.175
38.	Zeman Jiří	Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	29.155
39.	Stopka Tomáš	BIOCEV – First Faculty of Medicine, Charles University	28.804
40.	Pinskerová Věra	Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol	27.723

## IF – authors – TOP 40 – 2019

Standing	Author (surname, first name)	Organization unit	IF
1.	Klener Pavel, jr.	Institute of Pathological Physiology, First Faculty of Medicine, Charles University + 1 <sup>st</sup> Department of Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	43.173
2.	Dušek Petr	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	34.445
3.	Cibula David	Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital	32.164
4.	Stibůrková Blanka	Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	30.650
5.	Vítek Libor	Institute of Medical Biochemistry and Laboratory Diagnostics, First Faculty of Medicine, Charles University + 4 <sup>th</sup> Medical Department - Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University, and General University Hospital	29.395
6.	Rusz Jan	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	28.071
7.	Lišková Petra	Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	26.805
8.	Bezdiček Ondřej	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	23.864
9.	Šíma Martin	Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	23.434
10.	Büchler Tomáš	Department of Oncology of Charles University – First Faculty of Medicine and Thomayer Hospital	21.755
11.	Král Vladimír	Biocev, First Faculty of Medicine, Charles University	21.626
12.	Zikmundová Magdalena	Institute of Pathological Physiology, First Faculty of Medicine, Charles University	21.182
13.	Vodička Pavel	Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	20.867
14.	Jakubek Milan	Biocev, First Faculty of Medicine, Charles University + Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	20.520
15.	Rusina Robert	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	20.485
16.	Cífková Renata	2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	20.145
17.	Serranová Tereza	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	18.000
18.	Dundr Pavel	Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	17.267
19.	Hána, Václav, jr.	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	17.199
20.	Doležalová Pavla	Department of Paediatrics and Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague	17.146
21.	Havlín Pavel	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	16.688
22.	Ryšavá Romana	Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	16.592

Standing	Author (surname, first name)	Organization unit	IF
23.	Růžicka Evžen	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	15.866
24.	Hušáková Markéta	Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	15.085
25.	Linhart Aleš	2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	14.607
26.	Fišar Zdeněk	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	14.549
27.	Vočka Michal	Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	14.235
28.	Stružinská Ivana	Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	14.012
29.	Koucký Vladimír	Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol	13.788
30.	Jiráček Daniel	Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University	13.703
31.	Havránek Štěpán	2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	13.514
32.	Đudáková Ľubica	Department of Paediatrics and Inherited Metabolic Disorders	12.714
33.	Procházka Antonín	Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University	12.658
34.	Mezian Kamal	Department of Rehabilitation Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	12.354
35.	Zvěřová Martina	Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	12.146
36.	Haluzík Martin	Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - the First Faculty of Medicine and General University Hospital	12.051
37.	Uher Tomáš	Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	11.927
38.	Ježková Jana	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	11.891
39.	Slanař Ondřej	Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	11.869
40.	Češka Richard	3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	11.811

## DEVELOPMENT OF PUBLISHING ACTIVITY IN JOURNALS WITH IF

### ARTICLES IN JOURNALS WITH THE HIGHEST IF IN 2019, 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 Science data base.

Number of publications in journals with impact factor – 2017–2019

INTERVAL IF	2017			2018			2019		
	Primary	Synoptic	Total	Primary	Synoptic	Total	Primary	Synoptic	Total
60.000–79.999	3	0	3	2	0	2	7	0	7
50.000–59.999	4	0	4	2	0	2	0	0	0
40.000–49.999	1	0	1	4	0	4	4	0	4
30.000–39.999	0	0	0	5	2	7	8	0	8
20.000–29.999	8	2	10	3	3	6	9	1	10
15.000–19.999	11	2	13	12	2	14	13	5	18
10.000–14.999	30	5	35	17	1	18	17	4	21
9.000–9.999	1	0	1	4	0	4	8	1	9
8.000–8.999	8	1	9	8	0	8	14	4	18
7.000–7.999	14	0	14	14	1	14	11	1	12
6.000–6.999	15	2	17	34	0	33	22	3	25

5.000–5.999	40	3	43	24	2	25	40	3	43
4.000–4.999	58	6	64	70	8	78	66	11	77
3.000–3.999	71	6	77	82	14	96	122	14	136
2.000–2.999	119	17	136	157	24	180	126	20	146
1.000–1.999	141	26	167	128	13	139	113	23	136
0.001–0.999	57	6	63	53	15	67	84	12	96
<b>Celkem</b>	<b>581</b>	<b>76</b>	<b>657</b>	<b>619</b>	<b>85</b>	<b>697</b>	<b>664</b>	<b>102</b>	<b>766</b>

Hirsch index of authors from the First Faculty of Medicine of Charles University 2014–2020  
(numbers of authors who achieved the value of h-index  $\geq 5$ )

H-index	2014	2015	2016	2018	2019	2020
80–89	0	0	0	0	1	0
70–79	1	1	1	1	1	0
60–69	0	0	0	0	0	1
50–59	1	1	1	0	1	3
40–49	1	2	3	8	11	13
30–39	9	13	13	19	19	18
20–29	25	27	39	56	71	75
15–19	45	50	57	91	97	111
10–14	124	141	156	188	193	207
5–9	318	308	362	419	441	434

H-index – authors from the First Faculty of Medicine who achieved  $h \geq 10$  in 2020

Author	H-index	Author	H-index	Author	H-index
Prchal Josef, prof. MUDr. DrSc.	61	Nevšimalová Soňa, prof. MUDr. DrSc.	36	Petruželka Luboš, prof. MUDr. CSc.	27
Cífková Renata, prof. MUDr. CSc.	53	Trněný Marek, prof. MUDr. CSc.	36	Šenolt Ladislav, prof. MUDr. Ph.D.	27
Pavelka Karel, prof. MUDr. DrSc.	53	Holcátová Ivana, MUDr. CSc.	35	Widimský Jiří, prof. MUDr. CSc.	27
Kubala Havrdová Eva, prof. MUDr. CSc.	52	Zeman Jiří, prof. MUDr. DrSc.	35	Zikán Michal, prof. MUDr. Ph.D.	27
Král Vladimír, prof. RNDr. CSc.	49	Vítek Libor, prof. MUDr. Ph.D.	34	Aschermann Michael, prof. MUDr. DrSc.	26
Martásek Pavel, prof. MUDr. DrSc.	48	Raška Ivan, prof. RNDr., DrSc.	33	Bednár Ján, doc. RNDr. Ph.D.	26
Neužil Petr, prof. MUDr. CSc.	48	Zima Tomáš, prof. MUDr. DrSc. MBA	33	Češka Richard, prof. MUDr. CSc.	26
Bencko Vladimír, prof. MUDr. DrSc.	46	Růžička Evžen, prof. MUDr. DrSc.	32	Horáková Dana, doc. MUDr. Ph.D.	26
Janků Filip, MUDr.	45	Kmoch Stanislav, prof. Ing. CSc.	31	Stržil Ilja, prof. MUDr. CSc.	26
Pravenec Michal, Ing. DrSc.	44	Kožich Viktor, prof. MUDr. CSc.	31	Čermák Jaroslav, prof. MUDr. CSc.	25
Haluzík Martin, prof. MUDr. DrSc.	43	Sedmera David, prof. MUDr. Ph.D., DSc.	31	Diamant Zuzana, MUDr.	25
Vencovský Jiří, prof. MUDr. DrSc.	43	Smetana Karel, prof. MUDr. DrSc.	31	Dvořánková Barbora, RNDr. Ph.D.	25
Štěpán Jan, prof. MUDr. DrSc.	41	Topinková Eva, prof. MUDr. CSc.	31	Halata Zdeněk, prof. MUDr.	25
Tesař Vladimír, prof. MUDr. DrSc. MBA	41	Škrha Jan, prof. MUDr. DrSc. MBA	30	Králová Jarmila, RNDr. CSc.	25
Tlaskalová – Hogenová Helena, prof. MUDr. DrSc.	41	Masářík Michal, doc. RNDr. Ph.D.	29	Marek Josef, prof. MUDr. DrSc.	25
Vodička Pavel, MUDr. CSc.	41	Šonka Karel, prof. MUDr. DrSc.	29	Pelclová Daniela, prof. MUDr. CSc.	25
Linhart Aleš, prof. MUDr. DrSc.	40	Vodičková Ludmila, MUDr. CSc.	29	Špička Ivan, prof. MUDr. CSc.	25
Gibula David, prof. MUDr. CSc.	37	Lukáš Milan, prof. MUDr. CSc.	28	Doležalová Pavla, prof. MUDr. CSc.	24
Slabý Ondřej, prof. RNDr. Ph.D.	37	Hrubý Martin, Mgr. Ph.D. DSc.	27	Đuricová Dana, MUDr. Ph.D.	24
Melenovský Vojtěch, doc. MUDr. CSc.	36	Jech Robert, prof. MUDr. Ph.D.	27	Hansíková Hana, RNDr. CSc.	24
Navrátil Tomáš, doc. Ing. Ph.D.	36	Kunešová Marie, prof. MUDr. CSc.	27	Kalousová Marta, prof. MUDr. Ph.D.	24
		Peterka Miroslav, doc. MUDr. CSc. DSc.	27	Kořínek Josef, doc. MUDr. Ph.D.	24

Author	H-index	Author	H-index	Author	H-index
Michalová Kyra, prof. Ing. DrSc.	24	Farghali Hassan, prof. Dr. DrSc.	19	Klener Pavel, prof. MUDr. Ph.D.	17
Papežová Hana, prof. MUDr. CSc.	24	Fialová Lenka, MUDr. CSc.	19	Lebeda Ondřej, prof. Ing., Ph.D.	17
Raboch Jiří, prof. MUDr. DrSc.	24	Frič Přemysl, prof. MUDr. DrSc.	19	Lohynská Radka, MUDr. Ph.D.	17
Fischerová Daniela, doc. MUDr. Ph.D.	23	Holaj Robert, doc. MUDr. CSc. MBA	19	Mann Heřman, MUDr.	17
Grim Miloš, prof. MUDr. DrSc.	23	Honzík Tomáš, prof. MUDr. Ph.D.	19	Mráz Miloš, MUDr. Ph.D.	17
Herynek Vít, Mgr., Ph.D.	23	Jirsová Kateřina, doc. Mgr. Ph.D.	19	Neuwirtová Radana, doc. MUDr. CSc.	17
Kolářová Libuše, prof. RNDr. CSc.	23	Kvasnička Jan, prof. MUDr. DrSc.	19	Otová Berta, doc. RNDr. CSc.	17
Wichterle Dan, doc. MUDr. Ph.D.	23	Nohýnková Eva, RNDr. Ph.D.	19	Paclt Ivo, prof. MUDr. CSc.	17
Zemanová Zuzana, doc. RNDr. CSc.	23	Plzák Jan, prof. MUDr. Ph.D.	19	Páleníček Tomáš, MUDr. Ph.D.	17
Bleyer Anthony J., MD	22	Roth Jan, prof. MUDr. CSc.	19	Poupětová Helena, Ing.	17
Bortlík Martin, prof. MUDr. Ph.D.	22	Školoudík David, prof. MUDr. Ph.D.	19	Povýšil Ctibor, prof. MUDr. DrSc.	17
Druga Rastislav, prof. MUDr. DrSc.	22	Štrauch Branislav, MUDr. Ph.D.	19	Seifert Bohumil, doc. MUDr. Ph.D.	17
Haluzíková Denisa, MUDr.	22	Zacharov Sergej, prof. MUDr. Ph.D.	19	Síkora Jakub, MUDr. Ph.D.	17
Jansa Pavel, doc. MUDr. Ph.D.	22	Bělohávek Jan, doc. MUDr. Ph.D.	18	Sosna Antonín, prof. MUDr. DrSc.	17
Kemlink David, doc. MUDr. Ph.D.	22	Beneš Vladimír, prof. MUDr. DrSc.	18	Šámal Martin, prof. MUDr. DrSc.	17
Marek Jan, prof. MUDr. Ph.D.	22	Bob Petr, doc. RNDr. Ph.D.	18	Šeda Ondřej, prof. MUDr. Ph.D.	17
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## COMMERCIALIZATION AND PROTECTION OF INTELLECTUAL PROPERTY

Commercialization of results of research at the First Faculty of Medicine is not only another source of finance for the Faculty, but above all the way of getting the scientific discoveries to practice for common use. Last year, more attention as paid to this activity, and the issue of commercialization came to be gradually solved systematically. During the last year, closer co-operation was established with the Centre for Transfer of Knowledge and Technologies (CPPT) and with Charles University Innovations Prague, s.r.o., (CUIP) which are active in this sphere and had been set up for the purpose.

Commercialization comprises three basic aspects. The first is contractual research, which is performed at the First Faculty of Medicine of Charles University mainly thanks to our top-quality scientific research staff. Further, thanks to the latest technologies that the Faculty possesses, it is able to perform measurement and then interpret results of the measurement to third subjects. One example is the Department of Paediatrics and Inherited Metabolic Disorders, where contractual research is in course in the sphere of diagnosis of COVID-19 and other infectious diseases. It is mainly about development, laboratory preparations, testing and control of quality of new generations of reagents and procedures use for isolation of nucleic acids from clinical material as well as their use in testing for COVID-19 and other infectious diseases.

Another form of commercialization is letting out a licence or selling complete know-how conceived at the Faculty. Within the BIOCEV group, new technology in the sphere of skin care and wound healing in co-operation with the corporation GlobeTech Innovation, s.r.o., (GTI). At the beginning of 2020, the agreement of cession of rights for registration of the invention so that

GTI could use the mixture for development, production and sale of their own products in selected countries. Concurrently, an agreement of collaborative research was made with GTI. The complete sale of the know-how was done thanks to the scientific research of a team from the First Faculty of Medicine and the Faculty of Natural Science of Charles University (BIOCEV for both faculties and the Institute of Anatomy of the First Faculty of Medicine of Charles University) as the project of formulation of attesting the mechanism of action of the preparation Bazedoxifen, which can potentially be used to treat COVID-19 patients. Consequently, in the middle of the last year, the patent application for the soluble form of Bazedoxifen was submitted, and towards the end of the year, the agreement of the sale of the patent was signed with the corporation Oxygen Biotech LLC. One of the main conditions provided by the agreement is the deadlines for completion of clinical testing and for launching the sale of the finished medication at the market so that it can reach the patients. At the time, the stage of clinical testing is in progress.

The last form of commercialization is establishment of a spin-off company or financial share of Charles University taken in an already existing firm, which will make the firm a spin-off company as well. Last year, both of the said forms of commercialization took place. In connection with the pandemics of COVID-19, the solution ViRNAzol was developed by professor Stanislav Kmoč's team at the Department of Paediatrics and Inherited Metabolic Disorders of the First Faculty of Medicine of Charles University and General University Hospital under the National Centre of Medical Genomics (NCMG). It is a sampling solution of a new generation, which also sterilizes the samples preserved, and therefore is safer for the health professionals as well as the laboratory staff. The solution has been tested in practice on more than 15,000 samples at General University Hospital in Prague and in the laboratory SPADIA LAB, a.s., and two commercial deliveries have been placed through CUIP. Considering this activity, Charles University has already contacted three commercial subjects: GENERI BIOTECH, s.r.o.; SPADIA LAB, a.s.; and ZKV Career, s.r.o., together setting up a new spin-off company called GeneSpector, s.r.o., which was established on 11<sup>th</sup> August 2020. Unlike in case of previous solutions, GeneSpector focuses on the whole diagnostic procedure. This company's solutions can, therefore, be employed by all laboratories, from the smallest ones to the biggest, not only for COVID-19 but for other viral diseases as well.

Scientists of the Centre of Application Outputs and Spin-off (CAS) companies, led by associate professor Karel Hána, developed a telerehabilitation system, which will enable patients to rehabilitate themselves in their homes, without having to attend the clinic. Through CUIP, Charles University purchased a share in the corporation Flexicare, s.r.o., which gave rise to a spin-off company that will be able to offer various providers with know-how and licences in the sphere of telemedicine technologies developed under CAS. Charles University, or rather the First Faculty of Medicine, will then take share of the profits from commercial activities of this company.

*Ing. Vojtěch Malina,  
Manager of the Department of Strategic Development*



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

According to the 3rd amendment of the Dean's Order number 5/2018 (Organization Rules of the First Faculty of Medicine of Charles University), effective from 1<sup>st</sup> January 2021, the Institute of Scientific Information of the First Faculty of Medicine and General University Hospital in Prague (thereinafter "Institute") is a common unit, shared by the two said institutions, which provides professional information services for both employees of the two institutions and students in all accredited study programmes at the First Faculty of Medicine, as well as for employees and students of the other faculties of Charles University, also including the medical professional community.

Basic services of the Institute are provided through the library, particularly loan services in the basement of the building and resource room on the first floor. For registered users, the Institute offers not only textbooks in the classic paper form but also a great number of e-sources – scientific monographs, periodicals and bibliographical, full-text and reference data bases. Employees of the First Faculty of Medicine and General University Hospital are also offered with literature search services. If the full text of the article is not available at the Institute, inter-library loan service can be addressed, which can also be used by students of the First Faculty of Medicine on request too.

#### **LIBRARY**

Library services (acquisition, cataloguing, retro- cataloguing, revising and writing off the library fund) are stabilized in terms of the personnel. The main task in this calendar year is securing a smooth transition from the currently used library system Aleph to the new library system Alma. In the first quarter of 2021, we commenced what we call implementation phase (reduction of the number of collections and their merging in the system Aleph, solution of long-term loans and unpaid fines), which will continue during the summer months in training of librarians. The librarians flexibly respond to the stimuli from administrators of the Central Catalogue of Charles University aiming at adjustments in the current library catalogue. In the coming months, the library staff will have to face new challenges – they will have to adapt to a new work setting as the new library system will only work as a cloud service and will have its own web interface. The transition to full operation of the library system Alma should take place in September 2021 before the beginning of the new academic year.

During the epidemic situation, the resource room was closed, and so was the loan protocol for the necessary brief time. This time was used, above all, to install protective partitions of organic glass and to adjust the services so that they could provide the safest possible conditions of work and operation. The loans could only be provided if the user had registered by e-mail or through the system Moodle for a particular time. This prevented the crowding of students in the corridor out of the loan rooms.

In the coming period, other major activities of the library will include providing methodological guidelines for subordinate libraries (guiding e.g. writing off library items or filling in statistical survey forms) as well as continuing the activities connected with the agenda of the Publication Board of the First Faculty of Medicine of Charles University (preparation of publication plans for educational and scientific texts, serial publications, communication with authors, checking of the technicalities and subsequent order at the Karolinum publishers). Still important for us is promotion of the events and new acquisitions of the library through the innovated web pages of the Institute of Scientific Information of the First Faculty of Medicine and General

University Hospital, social webs such as Facebook and Twitter, the journal Jednička [Number One], the newsletter VFNews, notice boards and the plasma screens at the Institute and at the Dean's Office of the First Faculty of Medicine of Charles University.

#### **SECTION OF BIBLIOGRAPHIC RECORDING OF PUBLISHING ACTIVITIES AND EVALUATION OF SCIENTIFIC WORK**

The Section co-ordinates record keeping on both publishing and non-publishing activities, which is subject to the Rector's Order number 24/2018 (Keeping the records of creative activities at Charles University). The records collected are processed for the Faculty's purposes and forwarded to the Information System of Research, Experimental development and Innovations (RIV; for the year 2019 the total of 1,117 results from the First Faculty of Medicine of Charles University).

In 2019, the Section organized selection of excellent results for evaluation of research organizations between 2016 and 2019, and collection of nominations for excellent publication award (for 2018 as well as 2019) was performed here too.

The work of the Section inseparably includes the agenda of responses in citation and the Hirsch index (h-index) as well, which serves for internal evaluation at the First Faculty of Medicine for the last calendar year. The number of responses the authors from the Faculty in citation in 2019 was 59,982 at the data base Web of Science. Further, documents for the award of Folia Biologica were prepared, and together with the Grant Projects Department and the Economic Department of the Faculty, continuous record of the APC (Article Processing Charges) was kept for publications under the Open Access scheme. For those interested in the issues of open publishing and predators, a practical seminar called How to publish open: introduction to Open Access and recent events was given at the Eiselt Hall of the 2<sup>nd</sup> Department of Medicine.

The task in the sphere of Open Access in the coming period is promotion of open publishing, preparation of documents for uploading full Open Access texts of our authors to the OBD data base and subsequently the university repository DSpace. In future, we expect closer co-operation with university co-ordinators of Open Access (particularly so, the Charles University Centre for Support of Open Science) in preparation and implementation of institutional open policies. Information from the sphere of predator journals and predator publishers will continue to be an important part of the scope of this Section, as well as co-operation with authors in setting up and management of personal identifiers ORCID, ResearcherID (Publons) a ScopusID. Our aim is performing internal evaluation of scientific work considering the new methods of evaluation of science.

#### **SECTION OF REFERENCE SERVICES AND MANAGEMENT OF E-RESOURCES**

The Section of Reference Services and Management of E-resources is involved in reference and educational activities, literature search services, inter-library loan services and complete agenda of e-resources. In co-operation with the Central Library of Charles University and the consortium Czech ELib, it secures purchase of e-resources for both the First Faculty of Medicine and General University Hospital. The priority is keeping up the acquisition of data bases, not only of bibliographic and full-text nature but also reference bases. The consortium contributes to financing the purchase of citation bases Web of Science and Scopus up to 70% but in case of other e-resources (interdisciplinary as well as medical data bases, collections of e-journals and e-books) only up to 50%. Each resource was carefully chosen in co-operation with other medical faculties of Charles University. Some resources are even absolutely critical for operation of particular units of the Faculty and/or Hospital (e.g. the data base Micromedex for operation of the Toxicological Information Centre at the Department of Occupational Medicine of the First Faculty of Medicine of Charles University and General University Hospital in Prague). These resources must be preserved and further promoted by organization of educational events not only at the Institute of Scientific Information of the First Faculty of Medicine and General University Hospital in Prague but also at particular institutes and clinical departments of the Faculty and the Hospital.

One important criterion is securing the functionality of e-resources also in the technical aspect, responding flexibly to limitations for remote access, and in order to resume functionality of the access, personal visits of an information specialist at the institutes and departments of the Faculty and Hospital proved useful too. After the experience of distance tuition at the time of extraordinary measures responding to the epidemics of corona virus, we embarked upon e-learning support of tuition in the system Moodle, including keeping up functionality of the data base Physiopedia via the interface LMS (Learning Management System). The virtually everyday contact with students is secured through the communication platform MS Teams. In the summer semester of the academic year 2020-2021, we open an elective seminar for students of general medicine and dentistry, called Strategies of work with professional medical information, which will offer not only the traditional introduction into electronic information resources at Charles University and the issues of quotations but also a course of speed reading in the form of what is called blended learning.

In the academic year 2020-2021, we again want to get around to the promotion action Week with e-resources, which according to the comparing statistics of libraries at Charles University proved really worthwhile in 2019. With financial support of the consortium Czech ELib, banners displaying the offer of pre-paid resources will be placed at the entrance to the loan protocol and resource room. Our attention will be directed to various other issues, such as assessment of plagiarism at the First Faculty of Medicine, informative education in quotation ethics, visits to scientific teams at particular institutes and clinical departments of the First Faculty of Medicine and General University Hospital. We continue trying to promote trial accesses to the few e-resources meant predominantly for studies and tuition at the main web page of the Institute.



### SECTION OF PROCESSING OF HISTORIC LIBRARY ITEMS AND DIGITALIZATION

The section of processing of historic library items and digitalization performs systematic professional restoration, cataloguing, digitalization, processing and opening the access to both historic and more recent book collections at the First Faculty of Medicine of Charles University. Last year, selected old editions and archive materials from particular subordinate libraries of the First Faculty of Medicine and General University Hospital. Work has been in progress to process more volumes of *Sborník lékařský* [Medical Collection] into the system Kramerius (approximately 20 yearly volumes last year). In the sphere of research into book sets and digital humanities, we launched an own digital interactive map of provenances of rare editions on obstetrics and gynaecology in the collection of the Institute for History of Medicine and Foreign Languages (application Historic Collections Map).

Under the agreement made between the Library of Academy of Sciences of the Czech Republic and the First Faculty of Medicine, co-operation began on exchange of digitalized volumes of the journal *Folia Biologica*. Now the whole archive is already available for the users under the system Kramerius. The state of emergency enabled the opening of the National Digital Library under remote access. Charles University, including the First Faculty of Medicine, opened its digitalized collections in the same manner as well.

This year, the restauration, cataloguing and digitalizing work on rare old printed volumes from the subordinate libraries at the First Faculty of Medicine will go on again. Further, there are a great many of scanned textbooks and other materials in the digital archives of the Institute of Scientific Information that are waiting for further processing and opening to access. Considering the possibilities and priorities, this collection will be processed into Kramerius, and more functionalities will be added to the digital map of provenances.

Intensive work will continue on opening of other yearly volumes of *Sborník lékařský*. In January 2021, we requested that this title may be entered in the list of bibliographic items that are not available at the market. If it is entered there, it will become more easily available for our users. In co-operation with the National Medical Library, we are preparing an agreement on replication of *Sborník lékařský* and connection to the base BMČ (Bibliographia Medica Čechoslovaca). Then, it goes without saying that in the field of digitalization we co-operate with other libraries in the Czech Republic, such as the Central Library of Charles University, National Library of the Czech Republic, Library of the Academy of Sciences of the Czech Republic or National Medical library.

### VIDEO AND PHOTO SECTION

During the time of the epidemics, the video studio produced dozens of videos meant for the students in distant learning. Further, a lot of organization and information videos with both the Faculty management and student were made. The videos were aimed, above all, at solution of some problems of education during the COVID crisis. In addition, some videos were made to deal with topics from surgical fields as well as videos for training of therapeutic intervention in addictology.

In 2021, the projects will also include the launching of production of other professional videos to promote quality of both undergraduate and postgraduate distance tuition.

In conclusion, I would like to appreciate the support that we have received from the managements of the First Faculty of Medicine of Charles University and General University Hospital as well as the staff of the Institute for their dedicated work, effort and willingness to help all our users.



## MONOGRAPHS IN 2020

### SELECTED MONOGRAPHS AND TEXTBOOKS PUBLISHED BY AUTHORS/CO-AUTHORS FROM CHARLES UNIVERSITY – FIRST FACULTY OF MEDICINE AT RELEVANT PUBLISHING HOUSES IN 2020

#### ACADEMIA

- ČERNÝ, Karel. *Ze zámoří do Čech: čokoláda, čaj a káva v raném novověku* [From overseas to Bohemia: Chocolate, tea and cocoa in early Modern Age]. Praha: Academia, 2020. 494 pp. ISBN 978-80-200-3149-5.
- MAKARIUSOVÁ, Marie, ed. *Biografický slovník českých zemí. 23, Hav-Hel.* [Biographic dictionary of Czechia: 23, Hav-Hel]. Praha: Academia 2020. viii, pp. 317-471. ISBN 978-80-200-3164-8.

#### ACADEMIC PRESS

- GALLUZZI, Lorenzo, ed. *Tumor Immunology and Immunotherapy – Cellular Methods Part A.* Cambridge: Academic Press, 2020. 838 pp. ISBN 978-0-12-818673-2.

#### AXONITE CZ

- KAREN, Igor and Štěpán SVAČINA. *Doporučené diagnostické a terapeutické postupy pro všeobecné praktické lékaře* [Recommended diagnostic and therapeutic procedures for general practitioners]. Mlečice: Axonite CZ, 2020. 55 pp. ISBN 978-80-88046-25-7.
- SVAČINA, Štěpán and Karel MEISTER, eds. *Muž, který se nebál zeptat: vzpomínky na Ctirada Johna* [The man who was not afraid of asking questions: Memories of Ctirad John]. Mlečice: Axonite CZ, 2020. 149 pp. ISBN 978-80-88046-22-6.

#### CURRENT MEDIA

- HRUŠÁK, Daniel et al. *Stomatochirurgie: klinické aspekty MKN-10* [Dental surgery: clinical aspects]. 2<sup>nd</sup> revised ed. Praha: Current Media, 2020. 351 pp. ISBN 978-80-88129-51-6.

#### ČESKÁ HEMATOLOGICKÁ SPOLEČNOST ČLS JEP

[Czech Haematological Society of J. E. Purkinje Medical Society]

- DOUBEK, Michael a Jiří MAYER, eds. *Léčebné postupy v hematologii 2020* [Therapeutic procedures in haematology 2020]. Brno: Česká hematologická společnost ČLS JEP, 2020. 525 pp. ISBN 978-80-270-8240-7.

#### ELSEVIER

- BALOCCO, Simone, ed. *Intravascular Ultrasound: From Acquisition to Advanced Quantitative Analysis.* Amsterdam: Elsevier, 2020. 218 pp. ISBN 978-0-12-818833-0.

#### FARMAKON PRESS

- KATOLICKÁ, Jana et al. *Kvalita života onkologických pacientů: léčba karcinomu prostaty* [Quality of life in oncological patients: treatment of prostate carcinoma]. Praha: Farmakon Press, 2020. 48 pp. ISBN 978-80-907656-1-0.

#### GALÉN

- DRIÁK, Daniel. *Antikoncepce* [Contraception]. Praha: Galén, 2020. 467 pp. ISBN 978-80-7492-488-0.
- GRIM, Miloš and Rastislav DRUGA et al. *Základy anatomie. 4a.: Centrální nervový systém* [Basic anatomy: Central nervous system]. 2<sup>nd</sup> revised and extended ed. Praha: Galén, 2020. 255 pp. ISBN 978-80-7492-495-8.
- HONZÁK, Radkin et al. *Úzkostný pacient* [Anxious patient]. 2nd ed. Praha: Galén, 2020. 236 pp. ISBN 978-80-7492-475-0.
- JIRÁK, Roman. *Deliria z pohledu psychiatra* [Deliriums in view of a psychiatrist]. Praha: Galén, 2020. 109 pp. ISBN 978-80-7492-461-3.
- KAMÍNEK, Milan et al. *Ortodontie* [Orthodontics]. 2nd ed. Praha: Galén, 2020. xi, 246 pp. ISBN 978-80-7492-490-3.
- KOLÁŘ, Pavel et al. *Rehabilitace v klinické praxi* [Rehabilitation in clinical practice]. 2nd ed. Praha: Galén, 2020. xxxi, 713 pp. ISBN 978-80-7492-500-9.
- KOLÁŘOVÁ, Libuše et al. *Obečná a klinická mikrobiologie* [General and clinical microbiology]. Praha: Galén, 2020. xxiii, 441 pp. ISBN 978-80-7492-477-4.
- NEUBAUEROVÁ, Lenka and Karel NEUBAUER. *Neurogeně podmíněné poruchy komunikace u seniorů v sociálně-zdravotní péči* [Neurogenic related disturbances of communication in the elderly in social health care]. Hradec Králové: Gaudeamus, 2020. 125 pp. ISBN 978-80-7435-794-7.
- NEVŠÍMALOVÁ, Soňa et al. *Poruchy spánku a bdění* [Sleep-wake disorders]. 3<sup>rd</sup> amended and revised ed. Praha: Galén, 2020. 318 pp. ISBN 978-80-7492-478-1.
- ULRYCH, Jan et al. *Chirurgické infekce kůže a měkkých tkání* [Surgical infections of the skin and soft tissues]. Praha: Galén, 2020. 234 pp. ISBN 978-80-7492-496-5.

**GENTIANA**

- SMETANA, Karel et al. *Erlebašské rozjímání 2. Migrace jako biologický a společenský jev* [Contemplations in Erlebach 2: Migration as a biological and social phenomenon]. Jilemnice: Gentiana, 2020. 85 pp. ISBN 978-80-86527-71-0.

**GRADA**

- ARGAYOVÁ, Ivana, Rebeka RALBOVSKÁ and Roman ZAZULA. *Základy lékařské terminologie: pro nelékařské zdravotnické obory* [Basic medical terminology for non-medical health branches]. 2<sup>nd</sup> revised and amended ed. Praha: Grada, 2020. 158 pp. ISBN 978-80-271-1716-1.
- KITTNAR, Otomar et al. *Lékařská fyziologie* [Medical physiology]. 2<sup>nd</sup> revised and amended ed. Praha: Grada, 2020. 747 pp. ISBN 978-80-247-1963-4.
- LUKÁŠ, Milan et al. *Idiopatické střevní záněty: nové trendy a mezioborové souvislosti* [Idiopathic intestinal inflammations: New trends and interdisciplinary relations]. Praha: Grada, 2020. xviii, 228 pp. ISBN 978-80-271-1208-1.
- MARKOVÁ, Daniela et al. *Předčasně narozené dítě: následná péče: kdy začíná a kdy končí?* [Premature baby: Follow-up care – when does it begin and end?] Praha: Grada, 2020. 711 pp. ISBN 978-80-271-1745-1.
- MĚŠTÁK, Jan. *Estetické operace nosu v klinické praxi* [Aesthetic nose surgery in clinical practice]. Praha: Grada, 2020. 207 pp. ISBN 978-80-271-2593-7.
- PTÁČEK, Radek and Petr BARTŮNEK, eds. *Naděje v medicíně* [Hope in medicine]. Praha: Grada, 2020. xiv, 422 pp. ISBN 978-80-271-3077-1.
- ROZTOČIL, Aleš et al. *Porodnictví v kostce* [Obstetrics in nutshell]. Praha: Grada, 2020. 590 pp. ISBN 978-80-271-2098-7.
- VACKOVÁ, Jitka et al. *Sociální práce v systému koordinované rehabilitace: u klientů po získaném poškození mozku (zejména CMP) se zvláštním zřetelem na intervenci z hlediska sociální práce, fyzioterapie, ergoterapie a dalších vybraných profesí* [Social work in the system of co-ordinated rehabilitation: in clients with an acquired brain lesion (CVA in particular) with special focus on intervention in the aspects of social work, physiotherapy, occupational therapy and other selected professions]. Praha: Grada, 2020. 202 pp. ISBN 978-80-271-2434-3.

**INTECHOPEN**

- AMBROSI, Patricia Bozzetto, ed. *New Insight into Cerebrovascular Diseases – an Updated Comprehensive Review*. London: IntechOpen, 2020. 356 pp. ISBN 978-1-78985-360-5.
- GIANTURCO, Luigi, ed. *Atherosclerosis, Arteriosclerosis and Arteriolosclerosis*. London: IntechOpen, 2020. 84 pp. ISBN 978-1-83880-303-2.

**interRAI**

- MORRIS, John. N. et al. *interRAI Long-Term Care Facilities (LTCF) Assessment Form and User's Manual, (Standard English Edition)*, 10.0. 10<sup>th</sup> ed. Washington: interRAI, 2020. 160 pp. ISBN 978-1-62255-165-1.
- STEWART, Shannon L. et al. *interRAI Self-Reported Quality of Life – Child and Youth Mental Health (QOL-ChYMH) Surveys and User's Manual, (Standard English Edition)*, 10.0.0. 10<sup>th</sup> ed. Washington: interRAI, 2020. 68 pp. ISBN 978-1-62255-168-2.

**KAP CZ**

- CAMPR, Vít et al. *Diagnostické a léčebné postupy u nemocných s maligními lymfomy XI* [Diagnostic and therapeutic procedures in patients with malignant lymphomas XI]. Brno: KAP CZ, 2020. 258 pp. ISBN 978-8086780-61-0.

**KARGER**

- SLAVIN, Konstantin V., ed. *Neuromodulation for Facial Pain*. Basel: Karger, 2020. 200 pp. ISBN 978-3-318-06794-1.

**KAROLINUM**

- ČELEDOVÁ, Libuše, ed. *Rozmluvy ze Šafránku: s úsměvem o životě, stárnutí a stáří* [Chats from Šafránek: Smiling about life, ageing and old age]. Praha: Karolinum, 2020. 180 pp. ISBN 978-80-246-4710-4.
- ČERNÝ, Karel et al. *Biografický slovník 1. Lékařské fakulty Univerzity Karlovy 1945-2008* [Biographic dictionary of the First Faculty of Medicine of Charles University: 1945-2008]. Praha: Karolinum, 2018-2020. 2 svazky. 191 pp.; 234 pp. ISBN 978-80-246-3801-0.
- ČERNÝ, Karel. *Mor 1480-1730: epidemie v lékařských traktátech raného novověku* [Plague 1480-1730: Epidemics in medical treatises of early Modern Age]. 2<sup>nd</sup> ed. Praha: Karolinum, 2020. 504 pp. ISBN 978-80-246-4691-6.
- HONZÍK, Tomáš et al. *Testové otázky z pediatrie* [Test questions in paediatrics]. Praha: Karolinum, 2020. 120 pp. ISBN 978-80-246-4556-8.
- OTOVÁ, Berta, Romana MIHALOVÁ and Klára BOBKOVÁ. *Základy biologie a genetiky člověka* [Basic human biology and genetics]. 2<sup>nd</sup> ed. Praha: Karolinum, 2020. 242 pp. ISBN 978-80-246-4565-0.

- RABOCH, Jiří et al. *Psychiatrie* [Psychiatry]. 2<sup>nd</sup> ed. Praha: Karolinum, 2020. 466 pp. ISBN 978-80-246-4604-6.
- TUČEK, Milan et al. *Hygienu a epidemiologii pro bakaláře* [Hygiene and epidemiology for Bachelor degree students]. 2<sup>nd</sup> amended ed. Praha: Karolinum, 2020. 216 pp. ISBN 978-80-246-3932-1.
- VÁGNEROVÁ, Tereza et al. *Výživa v geriatrii a gerontologii* [Nutrition in geriatrics and gerontology]. Praha: Karolinum, 2020. 198 pp. ISBN 978-80-246-4620-6.
- VILIKUS, Zdeněk et al. *Výživa sportovců a sportovní výkon* [Athletes' nutrition and sports performance]. 3<sup>rd</sup> revised ed. Praha: Karolinum, 2020. 219 pp. ISBN 978-80-246-4455-4.

## KLUWER

- RICCI, William M., ed. et al. *Rockwood and Green's fractures in adults*. Vol 1 and 2. 9<sup>th</sup> ed. Philadelphia: Kluwer, 2020. 3059 pp. ISBN 978-1-4963-8651-9.

## MAXDORF

- BARTOŠ, Robert et al. *Průvodce mozkem: neuroanatomie: dráhy mozkové hemisféry a jejich význam pro operace gliomů insuly a hippocampu* [Guidebook to the brain: Neuroanatomy – pathways of the cerebral hemisphere and their importance after surgery on gliomas of the insula and hippocampus]. Praha: Maxdorf, 2020. 223 pp. ISBN 978-80-7345-656-6.
- BENÁKOVÁ, Nina et al. *Moderní farmakoterapie v dermatologii* [Modern pharmacotherapy in dermatology]. Praha: Maxdorf, 2020. 647 pp. ISBN 978-80-7345-653-5.
- BLÁHOVÁ, Květa and Filip FENCL et al. *Kazuistiky z pediatrie* [Case studies from paediatrics]. 2<sup>nd</sup> revised and amended ed. Praha: Maxdorf, 2020. 295 pp. ISBN 978-80-7345-667-2.
- BŮCHLER, Tomáš et al. *Speciální onkologie* [Special oncology]. 2<sup>nd</sup> ed. Praha: Maxdorf, 2020. 290 pp. ISBN 978-80-7345-651-1.
- DOKOUPILOVÁ, Milena et al. *Kazuistiky z neonatologie* [Case studies from neonatology]. Praha: Maxdorf, 2020. 318 pp. ISBN 978-80-7345-649-8.
- HANUŠ, Tomáš et al. *Historie urologických pracovišť v ČR* [History of urological facilities in the Czech Republic]. Praha: Maxdorf, 2020. 431 pp. ISBN 978-80-7345-579-8.
- HOMOLKOVÁ, Helena et al. *Dětská neurochirurgie v kazuistikách* [Children's neurosurgery in case studies]. Praha: Maxdorf, 2020. 159 pp. ISBN 978-80-7345-577-4.
- HUGO, Jan et al. *Slovník nespisovné češtiny: argot, slangy a obecná mluva od nejstarších dob po současnost: historie a původ slov* [Dictionary of non-literary Czech: argot, jargons, slang and informal language from time immemorial up to the present – history and origin of words]. 4<sup>th</sup> extended ed. Praha: Maxdorf, 2020. 528 pp. ISBN 978-80-7345-647-4.
- KAČER, Petr et al. *Poinfarktová ruptura volné stěny levé komory srdeční* [Post-infarction rupture of the loose wall of the left heart ventricle]. Praha: Maxdorf, 2020. 229 pp. ISBN 978-80-7345-646-7.
- LAMBERT, Lukáš and Andrea BURGETOVÁ et al. *Uroradiologie* [Uroradiology]. Praha: Maxdorf, 2020. 310 pp. ISBN 978-80-7345-671-9.
- LISCHKE, Robert, Andrej OZANIAK and Běla MALINOVÁ et al. *Sarkomy měkkých tkání* [Soft tissue sarcomata]. Praha: Maxdorf, 2020. 160 pp. ISBN 978-80-7345-614-6.
- LÍZROVÁ PREININGEROVÁ, Jana et al. *Optická koherenční tomografie v neurologii* [Optic coherence tomography in neurology]. Praha: Maxdorf, 2020. 159 pp. ISBN 978-80-7345-661-0.
- PAVELKA, Karel et al. *Spondyloartritidy* [Spondyloarthritis conditions]. Praha: Maxdorf, 2020. 260 pp. ISBN 978-80-7345-679-5.
- PEŠEK, Miloš et al. *Praktická pneumologie* [Practical pneumology]. Praha: Maxdorf, 2020. 358 pp. ISBN 978-80-7345-642-9.
- POLÁK, Jaroslav and Martina VAŠÁKOVÁ. *Jak na radiodiagnostiku nemocí plic* [How to tackle radiologic diagnosis of lung diseases]. Praha: Maxdorf, 2020. 183 pp. ISBN 978-80-7345-635-1.
- RUŠAVÝ, Zdeněk et al. *Diabetes a sport: příručka pro lékaře ošetřující nemocné s diabetem 1. typu* [Diabetes and sports: A handbook for physicians treating type 1 diabetes patients]. 2<sup>nd</sup> ed. Praha: Maxdorf, 2020. 271 pp. ISBN 978-80-7345-639-9.
- STUDENÝ, Pavel et al. *Keratokonius* [Keratoconus]. Praha: Maxdorf, 2020. 144 pp. ISBN 978-80-7345-665-8.
- TYLL, Tomáš and Vlasta DOSTÁLOVÁ and David NETUKA. *Neuroanestezie a základy neurointenzivní péče* [Neuroanaesthesia and basic neurointensive care]. 2<sup>nd</sup> revised and amended ed. Praha: Maxdorf, 2020. 360 pp. ISBN 978-80-7345-654-2.
- UHROVÁ, Tereza and Jan ROTH. *Neuropsychiatrie: klinický průvodce pro ambulantní i nemocniční praxi* [Neuropsychiatry: A clinical guidebook for out-patient as well as in-patient practice]. Praha: Maxdorf, 965 pp. ISBN 978-80-7345-619-1.
- ULČOVÁ-GALLOVÁ, Zdenka et al. *Imunologie a imunopatologie lidské reprodukce: vybrané kapitoly* [Immunology and immunopathology of human reproduction]. 2<sup>nd</sup> revised and amended ed. Praha: Maxdorf, 2020. 175 pp. ISBN 978-80-7345-648-1.
- VOKURKA, Martin and Jan HUGO. *Kapesní slovník medicíny: výkladový slovník lékařských termínů pro širokou veřejnost* [Pocket dictionary of medicine: A dictionary explaining medical terms for general public]. 4<sup>th</sup> ed. Praha: Maxdorf, 2020. 192 pp. ISBN 978-80-7345-634-4.



### MLADÁ FRONTA

- Gkalpakiotis, Spyridon et al. *Psoriáza: od teorie k praxi* [Psoriasis: from theory to practice]. Praha: Mladá fronta, 2020. 207 pp. ISBN 978-80-204-5574-1.

### MINISTERSTVO ZDRAVOTNICTVÍ ČR

[Ministry of Health of the Czech Republic]

- HALOUZKOVÁ, Lenka et al. *SVR-20: manuál rizika sexuálního násilí 20 verze 2: pokyny pro strukturované odborné posouzení v oblasti hodnocení a řízení rizika sexuálního násilí* [SVR 20: Manual for Version 2 of the Sexual Violence Risk-20: Structured professional judgment guidelines for assessing and managing risk of sexual violence]. Praha: Ministerstvo zdravotnictví ČR, 2020. 96 pp. ISBN 978-80-85047-60-8.
- PÁV, Marek, Radek PTÁČEK and Martina VŇUKOVÁ. *SAPROF: strukturované posouzení protektivních faktorů při posuzování rizika násilného chování* [SAPROF: Structured Assessment of Protective Factors for violence risk]. Praha: Ministerstvo zdravotnictví ČR, 2020. 84 pp. ISBN 978-80-85047-59-2.
- VŇUKOVÁ, Martina et al. *HCR-20v3: hodnocení rizika násilí* [HCR-20v3: Assessing risk for violence]. Praha: Ministerstvo zdravotnictví ČR, 2020. 152 pp. ISBN 978-80-85047-61-5.

### NÁRODNÍ CENTRUM OŠETŘOVATELSTVÍ A NELEKAŘSKÝCH ZDRAVOTNICKÝCH OBORŮ

[National Centre of Nursing and Non-medical Health Fields]

- FADRUS, Pavel et al. *Perioperační péče o pacienta v neurochirurgii* [Peri-operative care of the patient in neurosurgery]. Brno: Národní centrum ošetrovatelství a nelékařských zdravotnických oborů, 2020. 229 pp. ISBN 978-80-7013-597-6.

### NOL – nakladatelství odborné literatury

- MATOULEK, Martin and Petr Urban. *Hubneme s Pivrcem* [Slimming with Pivrcem]. Praha: NOL, 2020. 64 pp. ISBN 978-80-907764-3-2.
- MATOULEK, Martin et al. *Manuál úspěšného hubnutí* [Manual of successful slimming]. Praha: NOL, 2020. 187 pp. ISBN 978-80-903929-8-4.
- MATOULEK, Martin and Lucie BURDOVÁ. *Pohyb v životě a medicíně: 30 + 1 rozhovor* [Exercise in life and medicine: 30 + 1 interviews]. Praha: NOL, 2020. 263 pp. ISBN 978-80-907764-2-5.

### OPTIO CZ pp.r.o.

- MIOVSKÝ, Michal et al. *Proměny času, proměny zdraví* [Twists and turns of time, twists and turns of health]. Praha: OPTIO CZ pp.r.o., 2020. 348 pp. ISBN 978-80-88011-07-1.

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**STÁTNÍ ZDRAVOTNÍ ÚSTAV**

[National Institute of Public Health]

- FENCLOVÁ, Zdenka et al. *Nemoci z povolání v České republice 2019* [Occupational diseases in the Czech Republic 2019]. Praha: Státní zdravotní ústav, 2020. 87 pp. ISSN 1804-5960.

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*Prof. MUDr. Aleksi Šedo, DrSc.,  
Vice-Dean for International Relations*

Although direct contacts are naturally limited at the time of epidemics, “internationalization” of our work stays an integral part of life of our traditionally open and prestigious faculty. The teacher and students exchange during the studies and particularly international co-operation in the sphere of scientific activity enriches the life at the faculty and brings new ideas and impulses. The Faculty focuses on enhancing the quality of international relations and deepening of the contractual relations already established, so that they will mean a real asset with specific outputs. Our partners include a fair number of foreign universities and scientific institutions not only in Europe but elsewhere as well. Dynamic are also the informal international contacts of our particular institutes and clinical departments and their staff.

In the educational and scientific area, the co-operation is implemented in the form of bilateral educative postgraduate as well as undergraduate activities, seminars and congresses. A fair number of speakers abroad took part in symposia and conferences organized by particular institutes but also professional medical bodies in co-operation with the First Faculty of Medicine of Charles University.

In the coming academic year, we are going to complete the evaluation of results of co-operation with our visiting professors and the audit of asset of the international agreements made.

## INTERNATIONAL STUDENT EXCHANGE AND STAYS ABROAD

### ERASMUS+

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) arose as seven previous programmes merged, 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 growth, 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.

Under the programme of Educational mobility (KA 1), the total number of 43 our students travelled abroad in the academic year 2019–2020. Our Faculty, on the other hand, still enjoys a great interest on the part of foreign students, who were 93 in number. This programme also enables mobility of academic staff members, and the Faculty hosted 1 person.

From the fund of the Centre of Strategic Partnerships (Erasmus activity KA 2), all the three projects submitted by the Faculty received support in 2020: one with Macquarie University in Sydney as the strategic partner, and another two with such key partners as the universities in Oxford and Cambridge. Although the pandemics did not allow for academic stays abroad, still the finance allotted could be used as compensations for the academic staff for preparation of online activities and joint scientific projects, which further deepen the importance of the established partnership.



Since 2015, bilateral exchange of university students and staff beyond Europe has been supported within the ERASMUS+ programme, called International Credit Mobility (KA 3), above all the mobility towards the programme countries (i.e. in the direction to Europe). 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. Unlike in the previous years, in 2020 the pandemic situation did not allow for outgoing or incoming of the staff. Both institutions, however, still keep in contact, and as soon as the situation allows, they want to continue their co-operation and implement the delayed as well as new mobilities.

In November 2020, Charles University took up the leading of the international university alliance 4EU+. This alliance is, apart from Charles University and Sorbonne in Paris, constituted by universities in Warsaw, Milan, Heidelberg and Copenhagen. In the academic year 2020-2021, the Faculty welcomed three students from the University of Milan, who sadly had to shorten their planned stay due to the worsened epidemiologic situation.

Teams of the First Faculty of Medicine of Charles University also co-operate within the Alliance 4EU+ through what we call mini-grants in the sphere of research-based education (preparation of a project design, organization of a conference/workshop, travel expenses for meetings of the team, support for exchange of PhD. students and/or postdocs, short-term stays, administrative support etc.). In 2020, a mini-grant for our Faculty was approved to enable co-operation with partner universities in Warsaw and Sorbonne.

As the scope of mobility widens now, the First Faculty of Medicine of Charles University also offers the option of virtual mobility, recently mainly for students from the partner universities of the Alliance 4EU+. This type of mobility allows the students to participate in one or more courses without the need in their physical presence in tuition.

### MOBILITY FUND AND POINT

Podpora z Fondu mobility byla v roce 2020 přidělena 5 studentům a 1 akademikovi. V rámci programu podpory internacionalizace vyjela 1 studentka a 2 akademici.

### IFMSA

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, 9 students were admitted, while 3 students travelled abroad.

### OTHER TRAVEL ABROAD

In the framework of our activities aimed at development on internationalization of the Faculty, two students of doctoral study programmes travelled to France and Great Britain, and another three undergraduate students to the IFMSA conference to Rwanda.

Israeli students of the First Faculty of Medicine have the option of taking the study placement abroad at the previously accepted institutions in Israel. In 2020, twelve students took this chance. One student of the Faculty finished the PhD. studies as a “freemover” at the university in Tokyo. Under the programme CEEPUS, we accepted one student from Slovenia for a study placement.

Our student travelled not only to European countries but also overseas. The most frequent destinations included Israel and Mexico.

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. At the time, one students in doctorand studies is taking advantage of this option. 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 2020

Programme	Outgoing students	Incoming students
Erasmus	43	93
IFMSA	3	9
Mobility Fund	5	0
POINT	1	0
CEEPUS	0	1
Inter-university agreements	0	0
Faculty agreements	0	0
Index D	5	0
Israel	12	0

## 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
2019–2020	129	43	93

## Institutions abroad, contractual co-operation with whom started in 2020

Title of institution	Country	Co-operating unit of the Faculty
LMU Munich	Germany	Erasmus – Department of Paediatrics and Inherited Metabolic Disorders
Norwegian University of Science and Technology – Trondheim	Norway	Erasmus – Specialist nutritional therapy
Comenius University in Bratislava	Slovakia	Erasmus – General medicine, PhD.
Westfälische Wilhelms-Universität Münster	Germany	Erasmus – General medicine



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 2020, the Department continued widening the scope of activities addressing the media, towards potential prospective students and public.

## MEDIA AND PR

In 2020, the Communication Department forwarded the topics concerning the Faculty to the media, checking on that affiliation of particular departments and their staff to the Faculty is stated, co-operated with PR departments of the teaching hospitals that include our training bases, 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. It also strengthened the collaboration with the Czech Press Agency, as well as with other media interested in science and/or education (e.g. iRozhlas, scientific channel of the Czech radio, Novinky, iDnes, Seznam Zprávy, Zdravé zprávy, etc.). Before the onset of the corona virus epidemics, we managed to organize a press conference in co-operation with the Department of Urology of the First Faculty of Medicine of Charles University and General University Hospital. Then, throughout the year, we issued a series of press releases, independently or in collaboration with partner institutions, to present research and scientific activities of the teachers and students of the Faculty, awards won by our experts, etc.

Due to the closure of universities connected with the COVID-19 epidemics, the Communication Department was not able to organize or contribute to the regular events, such as MEDialogy, the festival Prague's Healthy Teeth, the Festival of Science, the Prague Museum Night, the World Health Day or the 17<sup>th</sup> November Commemoration Week.

However, the printed journal *Jednička* [Number One] did continue, and it was issued five times a year. The Communication Department participated in a fair number of events held in distance form as videos, streamed professional sessions and lectures, which presented the Faculty's activities to both professional and general public.

## PRESS CONFERENCES:

- Male fertility: from childhood to adulthood

## SELECTIVE LIST OF PRESS RELEASES:

- The First Faculty of Medicine of Charles University collects 100 T to support disadvantaged children
- Doors at the First Faculty of Medicine to open as early as 11<sup>th</sup> January
- Prestigious grant for scientist Peter Dráber of the First Faculty of Medicine of Charles University
- Scientists of the First Faculty of Medicine of Charles University find bones of warriors from Battle of Lipany
- Menthol-flavoured cigarettes to end in all EU countries on 20<sup>th</sup> May
- Europe survey on alcohol consumption during corona virus epidemics: Czechs can also take part
- Martin Vokurka elected the candidate for the Dean post
- Dissection triggers resumed medical education in Prague 420 years ago

- This year's World No Tobacco Day protecting young people
- First exoscope in the country enables neurosurgeons from First Faculty of Medicine and General University Hospital to operate on covid-19 patients
- Scientists of First Faculty of Medicine discover structures that direct biorhythms in mouse brains
- Preventing the cytokine storm is hope for treatment of COVID-19
- System for distance rehabilitation from the First Faculty of Medicine to practice
- Doctors of the First Faculty of Medicine and General University Hospital advancing the care of diabetic patients
- Doctors offering help with self-examination for smell disturbances due to COVID-19
- The First Faculty of Medicine of Charles University supporting health care of the homeless
- This Open Day at the First Faculty of Medicine to come in distance form
- Unique skeleton of northern minke whale at the First Faculty of Medicine restored

## CO-OPERATION WITH THE MEDIA

Besides press conferences and press releases, the Department mediated dozens of interviews and statements with our experts for TV, radio, internet and printed media. Selected media outputs are listed at the Faculty's website in the section First Faculty of Medicine in News, and selected interviews and articles in the media are also presented in the journal *Jednička* in the column *Jednička v médiích*.

## MEDIA MONITORING

In 2020, the Communication Department continued to employ the system of monitoring the media outputs about the First Faculty of Medicine by 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 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 4,400 media outputs in 2020, which was by 1,000 more than in the year before.

## THE JOURNAL JEDNIČKA

In 2020, 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, above all, 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 University Hospital, Bulovka University Hospital, University Hospital Motol, the Faust House, the Rector's Office of Charles University and selected Czech grammar schools as well.



## FUNDRAISING

Thanks to the active approach of our contacts, 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 2020. In co-operation with other units of the Dean Office, the Communication Department raised CZK 623,000 from sponsors and contacts for the 132<sup>nd</sup> Medics' Prom Ball. The golden partner was the Agel company, and other traditional contacts included, for instance, the spa company Léčebné lázně Mariánské Lázně and B. Braun Česká republika. The Department also participated in raising CZK 770,000 from our contacts in order to support restoration of the skeleton of the northern minke whale in the collection of the Institute of Anatomy.

## 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 (11<sup>th</sup> January 2020)

At the Open Day, prospective applicants for the studies of general medicine, dentistry and non-medical health programmes got the chance to explore the Faculty from the inside, and to learn about what they may expect during the studies of medicine, dentistry or non-medical branches at the Faculty

#### Number One for a trial (7<sup>th</sup> June 2020)

Due to the epidemic situation, this event was implemented in the distance form as a newsletter.

#### Gaudeamus fairs

The First Faculty of Medicine of Charles University took part in trade fairs of tertiary and life-long education Gaudeamus in Prague, which was held on 21<sup>st</sup> to 23<sup>rd</sup> January 2020. The autumn fair in Brno was cancelled due to COVID-19.

#### Interactive workshops for secondary schools

In 2020, the project of interactive workshops for secondary school students came into its third year of existence. 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), only 13 workshops were organized this time – 5 courses of chemistry, 2 courses of physiology, 5 courses of anatomy and 1 course of first aid. The first of them took place on 28<sup>th</sup> January 2020 and the last on 6<sup>th</sup> March, while the other courses were cancelled as universities were closed.

#### Presentations by students of the Faculty at their home secondary schools

At the beginning of 2020, students of the First Faculty of Medicine of Charles University presented the Faculty at the grammar schools or other secondary schools they had come from. It was just about several students and the activity was ended in the spring months due to the COVID-19 epidemics.

#### Number One for a trial for prospective medics (25<sup>th</sup> January 2020)

In 2020, the Faculty prepared another Number One for a trial project, the second, 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. As the number of students interested had been enormous in the year before, we decided to extend the visitor capacity and invited the non-profitmaking organization Loono to take part. The visitors, split into small groups, were invited to explore the work in biochemical laboratories, training in first aid, blood sampling on a manikin, examination of breasts or tested on artificial models, or measuring blood pressure, and they could also learn more about anatomy of the human body and prevention of cardiovascular diseases. At the premises of the Faculty, 85 students of the preparatory courses gathered. All of them were also free to ask their guides, our Faculty students, questions about the student life.

## INTERNAL COMMUNICATION

### ALUMNI OF THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY

In 2020, the Alumni Club of the First Faculty of Medicine of Charles University welcomed its 1,101<sup>st</sup> member. Eventually, 1,155 members are registered at the moment.

Due to the COVID-19 epidemics, the Golden Graduation ceremony to celebrate the 50<sup>th</sup> anniversary of their graduation at the Faculty could not be taken with the graduates of 1968. For the same reason, the traditional reunion of alumni of the First



Faculty of Medicine had to be cancelled. However, members of the Alumni Club regularly received a newsletter that informs them about interesting and important events at the Faculty.

## BONUSES

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

### Mediakarta

This card 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 snacks (CrossCafe, By the By, Bao Bao), then discounts on health professional garments Lavenda, discounts on professional literature in the Academic Bookshop.

### Alumni card

This card is a similar project as the above one, just meant 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 2020, 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, and the bimonthly journal *Jednička* [Number One]. Also updated were the information leaflets on particular study programmes (medical as well as non-medical) and 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 brochure about the Faculty, in both Czech and English.

## PROMOTIONAL MERCHANDISE

In 2020, the Communication Department offered a fair number of promotional merchandise items, such as the Faculty sweat-shirts and hoodies, T-shirts with the logo or some small practical items, e.g. disinfectant gels for hands, ear plugs and chewing gums, all with the Faculty logo.

## PRESENTATIONS OF NEW BOOKS

In 2020, the Communication Department only organized one presentation of a new book at the Faust House. The book presented was *Muž, který se nebál zeptat: vzpomínky na Ctirada Johna* [The man who was not afraid of asking questions: Memories of Ctirad John] by Prof. Štěpán Svačina.

## EVENTS

### Charity diaries and calendars

In 2020, a charity calendar was designed by student associations at the First Faculty of Medicine of Charles University in co-operation with the Communication Department, featuring motorcycle club members from the Faculty. The author of the photographs was Mr. Viktor Sýkora, the Head of the Centre of Experimental Biomodels. Even at the time of epidemics, student associations collected than 56,000 Czech crowns from the sales, which was presented to the registered charity *Medicinaulici* [Medicsinthestreet]. This unites more than 100 students from all three medical schools in Prague and their colleagues from Brno. In their leisure time, these students provide some health care of the homeless.

**132<sup>nd</sup> Medics' Prom Ball** (10<sup>th</sup> January 2020) – In the Žofín Palace, the Communication Department organized the medics' ball of 2020. Students and academic staff members could dance and have fun in all the halls of the palace.

**Jednička na startu [Number One Starting]** – This event, meant for the first year students to meet their older colleagues and teachers, had to be cancelled because of the COVID-19 epidemics.

Neither the concerts of the series *Faculty in the Heart of Karlov* nor the Scientific Café took place – both for the same reason.

## ACADEMIC CLUB

The premises of the Academic Club were only employed in the spring months in 2020, before the club was closed due to the epidemic situation, and so were the other rooms in the Faust House, such as the club rooms of student associations. In the spring, there was a meeting of student associations with the dean Prof. Aleksi Šedo, where the amount of CZK 20,000 was handed in to the charity *Medici na ulici*, collected at the spring sports challenge organized by the Institute of Physical Education.

Apart from traditional exhibitions, also two talk shows from the series Chair for Faust took place. The special guests in January and in February were two remarkable ladies – diplomat and actress Magda Vášáryová, and the Head of the Department of Rehabilitation Medicine MUDr. Yvona Angerová, Ph.D. Until the spring 2020, the Dixieland of friends of the First Faculty of Medicine and the theatre club Jonáš gave performances in the club as well.



## OTHER

### UNVEILING OF THE STATUE OF BLACK MADONNA

In the niche on the wall in Salmovská Street, the statue of Black Madonna was unveiled by the former dean of the First Faculty of Medicine, Prof. Aleksi Šedo, and the author of the statue, Jakub Grec.

### UNVEILING OF THE BUST OF PROFESSOR ALBERT

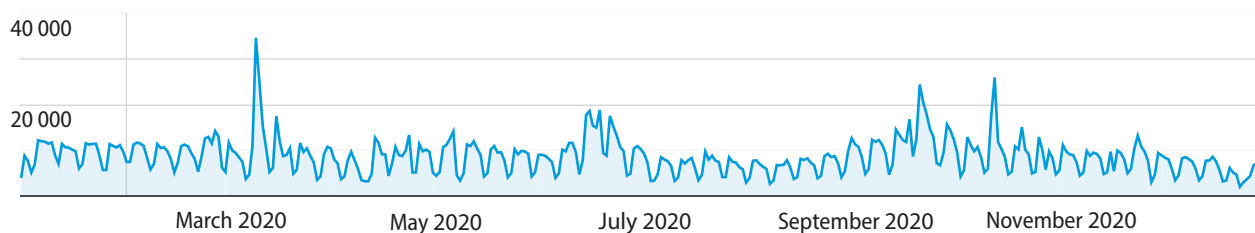
In 2020, commemorations of 17<sup>th</sup> November also included the ceremony of unveiling the bust of Prof. Albert in the vestibule of the Department of Physiology of the First Faculty of Medicine of Charles University at the presence of the dean of the Faculty, Prof. Martin Vokurka, and rector of Charles University, Prof. Tomáš Zima.

### CO-OPERATION WITH STUDENTS

Our co-operation with students and student organizations at the Faculty continued. These include 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 (Student Platform Occupational Therapy), SANT, Allsono, Loono and Medics in the Street. The Facebook group for these associations, called Spolky 1. LF UK, again proved really helpful in 2020, allowing for fast and efficient communication.

## WEB PAGES AND SOCIAL NETWORKS

According to Google Analytics, as many as 3 144 860 users viewed the Faculty website ([www.lf1.cuni.cz](http://www.lf1.cuni.cz)) worldwide in 2020, including 2,368,939 unique ones. The figures were the highest at the time of onset of the COVID-19 epidemics in the Czech Republic, when dramatic changes in tuition at the First Faculty of Medicine came. Specifically, 10<sup>th</sup> March 2020 was the record-breaking day, when the number of views of the website was 34,369.



Page views of [www.lf1.cuni.cz](http://www.lf1.cuni.cz)

Source: Google Analytics

In the long-term aspect, we try to develop the Faculty's social networks towards people interested in the studies, students, graduates as well as the Faculty staff and general public. On Facebook and Instagram, we regularly inform about the news of the Faculty. We support student associations and their events (in 2020, above all, online conferences and lectures). We regularly promote awareness of current events connected with the Faculty and of scientific topics but also support students and their initiatives. Every year, a paid promotional campaign is run on both platforms, addressing the people interested in studies at the Faculty and also informing about particular branches of studies and the advantages of the Faculty, and inviting to the Open Day too. This campaign had the total number of 388,473 viewers in 2020.

In 2020, we also extended the portfolio on the Faculty's Youtube channel, where we provided information about the current situation influenced by COVID and at the same time used the online space for communication with anyone considering the studies at the Faculty (introduction of tuition at the Faculty and a lot more). This period helped us to extremely increase the number of videos as well as views of the content on Youtube.

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



## AUDITOR'S REPORT





**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 2020, 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 2020 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

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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.



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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, 25. 05. 2021



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



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## UNION OF CZECH MEDICAL STUDENTS (SMČ)

**Chairwoman of executive:** Andrea Kreissová

**Vice-chairman:** Filip Tkáč

**Members of executive:** Jakub Adamčík, Anna Alekseenko, Romana Baláková, Jan Brak, David Fröhlich, Alisa Shvets, Dominika Tolimatová

### ABOUT US

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.

### ORGANIZATION

Any student of a medical school in the Czech Republic can become a member of the Union of Czech Medical Students. The supreme body of the Union is the general meeting, which elects the Executive and possibly other bodies.

### THE UNION'S PREMISES IN FAUST HOUSE

The seat of our office is the second floor of the Faust House. It includes the computer room, resource room and club room with the library. Members of the Union can use the premises to study there. Apart from book loans, we offer the students with use of a printer and book binder. But above all, we hope, the Union office is a present place of relaxation for the students, where they can spend their leisure time with friends. 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. Last, we managed in purchasing a new couch to provide more comfort for the students.

### ACTIVITY AND VISION OF FUTURE

In 2020 we, sadly, could not organize any of our traditional events because of the epidemiologic situation, as all our events are meant for live contacts. During the quarantine period, however, we did not waste the time! We entered the contact with the non-profit organization *Neúnavní* [The Tireless Ones], pursuing education about the chronic fatigue syndrome, which we consider as a prospective collaborator in online lectures, and educative materials to inform general public about the issue. If the situation allows, we would like to organize an interactive seminar or an info day tackling the problem too.

For future, we have negotiated co-operation with the organization called *Zapiš se někomu do života* [Register in someone's life], which organizes recruitment of bone marrow donors – we would like to promote awareness of this organization and the possibility of the registration among students at our Faculty. Our co-operation should have started in October, at the event *Jednička na startu*, which regretfully did not take place either. So we hope we will be able to launch the events together in near future.



Further, we plan to carry on co-operation with the organization AMECA on lectures for our graduates: What can I expect after the school, or Graduation is not the last step.

The following lines list the traditional events held by the Union of Czech Medical Students:

### PROJECTS OF THE UNION

- **Open Day** – every year, we take part in organization of the Open Day, presenting the Union and our activities to the prospective students of the Faculty. Then, after the official programme, we are happy to answer the questions of the prospective students about the studies.
- **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. Traditionally, we sell student tickets for the ball. We also have the pleasure in handing in complimentary tickets to the Heads of units of the Faculty.
- **Magical rave-up** – For us, it has become a special tradition to give this medical students' party every semester in the El Magico Club at the halls of residence in South Town. This event gives the students an opportunity of meeting their colleagues not only at the Faculty's premises but also when not studying, in a relaxed atmosphere. It is commonplace that all the events organized by the Union are exclusively for non-smokers.
- **6plus1 Medic Party** – An event where prospective alumni of the Faculty meet the freshmen, traditionally took place in the PM Club in Trojická Street. Another tradition became the presence of the Dean at the event, who symbolically "knights" the new medical students, using a femur rather than a sword in his hand. A lot of competitions are prepared for this event, e.g. who will be the fastest to saw the coconut skull into halves etc.
- **St. Nicholas Eve** – Every year on St. Nicholas Eve, we visit children who have to spend that day in hospital. In the traditional disguise of the Devil, Angel and St. Nicholas, to give them some fun and small presents in reward for a nice verse or song they present. This time an unprecedented number of volunteers joined in, and the highest number of wards were visited. We come not only to our "home" General University Hospital, but also to the more distant hospitals too – Thomayer University Hospital, Bulovka University Hospital, 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 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 has become traditional and is very popular with students.
- **Medics' Union Pub Quiz** – This pub-quiz style general knowledge contest takes place twice in the year. Students can test their knowledge, competing with their fellow students across categories.
- **Badminton tournament** – In co-operation with the Institute of Sports Medicine, another badminton tournament was organized again.

And we must not forget about ESO, which operates under the wing of the Union of Czech Medical Students too.

### SMČ – ERASMUS STUDENTS' ORGANISATION (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. Traditionally, we give the ice-breaking party for the Erasmus students, where all international students get a chance to meet. And of course there are some trips to learn more about the country, exploring beautiful Czech towns and castles, such as Kutná Hora, Český Krumlov and Karlštejn, but also cultural events as we try to present not only Czech arts (National Theatre) but also the culture and history (the Senate of the Czech Republic and the National Museum).

Every year, the Union assists in technical support for evaluation of results of the competition for the Erasmus+ programme exchange as well as in allotting the particular placements, which takes place in the lecture hall of the Institute of Histology.

### AIMS FOR FUTURE:

- To carry on the well-established co-operation with students and the Faculty.
- To organize traditional events and to try to create new ones, trying to transfer the events to the on-line environment.
- To deepen the co-operation with other organizations at the First Faculty of Medicine.
- To develop inter-faculty co-operation.

*For Union of Czech Medical Students,  
Andrea Kreissová*



## IFMSA CZ AT THE FIRST FACULTY OF MEDICINE

Last year, the activity of the International Federation of Medical Students' Associations (IFMSA) was dramatically affected by (International Federation of Medical Students' Associations). All activities with live audience were temporarily interrupted. For that reason, we decided to concentrate some sections on updating and extending educational materials, and looked for new ways of functioning in the on-line form. One of the objectives of the year was closer incorporation of students of English parallel classes and transformation of activities offered to Czech students into English form as well. Further, we concentrated on the transformation of a number of project into the online form, which is something we co-operate on with other faculties nationwide.

### Management of the branch

Local President – Tomáš Buňa

Local Co-ordinator for Public Relations – Kristýna Konývková and Katarína Piptová

Local Co-ordinator for Public Health – Minh Nguyet Tranová

Local Co-ordinator for Medical Education – Petr Šodek and Kateřina Kunclová

Local Co-ordinator for Healthy Reproduction and HIV/AIDS prevention – Concetta Narretti

Local Co-ordinator for Clinical Placements – Eva Hnilicová

Local Co-ordinator for Research Placements – Hana Kroupová

### STAYS ABROAD

#### Clinical Placements

By the current situation, regretfully, the stays abroad were affected as well, nevertheless the number of our students who were allotted a placements was higher than in the academic year 2019-2020.

In 2020-2021 we only had 2 outgoing students. Students can take placements across the world. We have contracts with 104 countries. These include most various countries, such as Italy, Spain or Germany, but also more exotic destinations, e.g. Peru, Taiwan and Japan.

Concerning the incoming students, the situation is more complicated, we are afraid. In the academic year 2020-2021, only 6 students arrived for clinical placements.

#### Research Placements

In 2019-2020, only one student managed to travel abroad for a research placement, specifically to Germany, but there were no incoming students. For the academic year 2020-2021, there are 14 our students who were allotted a research placement.

The countries that the students plan to head for include Spain, Turkey, Taiwan, Chile, India or Sudan. We again expect fewer incoming students, also because of cancellation of placements till the end of June.

The Faculty co-ordinator of the section of research placements Hana Kroupová took part at the IFMSA Online General Assembly, where she managed to present and share our experience with co-ordinators from all over the world.

#### Section of Medical Education

In the past year, the new project called Clinical case studies was launched, which is directed towards students of both the English and Czech parallel classes. It offers seminars in various fields of medicine.

The seminars will be performed with a doctor specialized in the given field plus a student lecturer. The project Surgical suture was suspended last year as the personal attendance is essential.

This year we further focus on podcasts in the new project Learn about your specialty, which is meant to give an idea of various branches of medicine through interviews with doctors and the podcasts in the project Medicafé.

#### Section of Healthy Reproduction

The project Anti-HIV tram, prepared in co-operation with the House of Light, was postponed till the next year.

Within the project Movember, an informational campaign was performed on social networks. Education in prevention of sexually transmitted diseases could not take place at basic and secondary schools this year. But we used that time for preparation of educative materials and training of new lecturers.

Further, we expand our activity to prevention of cervical carcinoma, cancer of the testicles and breast cancer as well. In this section, we also try to create English versions of the projects, which will address anglophone schools in Prague.

#### Section of Public Health

Last year, projects of this Section were implemented in the form of educational videos, specifically the projects For life and Teddy-bear hospital. The project of World Health Day will take the form of online lectures

*Tomáš Buňa,  
Local President of IFMSA 1LF*

## MEDSOC 1. LF UK

We are a non-profit student association representing the English parallel students at the First Faculty of Medicine. LF1 MEDSOC is a Non-profit organisation run by students that aim to help improve all aspects of your student life here at the First Faculty of Medicine, Charles University. We are consisted of a board of 7 members, with several teams and a total of around 50 students volunteering in these roles.

### What do we do?

- We offer many workshops and events that aim to support students in their learning at the university.
- On the other hand, we also offer a wide variety of events to help you take time off from studying and make new friends.
- Furthermore, we aim to support students in their plans after graduating and building a strong Alumni network.
- With our Charity Team, we raise money and support causes and charities within the Czech Republic.
- Through our website we help disseminate information and resources for easier access.

### Our Goals:

- Foster a sense of community within all international students.
- Bridge the gap between the Czech and International Students.
- Grow our Alumni network.
- Increase our Cooperation with all Associations within the Czech Republic.

### The board members for the year 2020–2021 consist of:

President: Omar Elnahwy

Treasurer: Talal Warsi

Head of Academic Affairs: Shruti Suresh

Head of Activities: Zain Awan

Head of Dentistry: Kamran Tehrani

Head of Public Relations: Paulina Cabrera

Head of Student Support: Hamza Shabir

### Some events done this year:

Despite the challenges of COVID-19 this year we have managed to put out 59 official events in total with many occurring online, or some in limited capacity in person.

The events we conducted this year range from helping with exam preparation such as our How to ace your anatomy workshop to sessions with a psychologist to help foster a community of medical students who understand the struggles we all face and how to deal with them.

Other events we've held for several years now and continue to expand upon are our suturing and wide variety of Charity events such as feed the homeless which happens every two weeks and online game events to raise money for cancer patients.

## SPOT PRAGUE

**SPOT Prague** (Student Platform Occupational Therapy) – is a voluntary association of occupational therapy students at the First Faculty of Medicine of Charles University, which was established in February 2019. SPOT Prague is one of the Mini SPOTs, which means an association of occupational therapy students at one faculty, and is part of SPOT Europe (Student Platform Occupational Therapy Europe). We closely co-operate with SPOT Europe as well as with other Mini SPOTs (student associations of particular European occupational therapy schools).

The main objective of our organization is enhancing the quality of studies of occupational therapy, support of students' needs and interests, and promotion of general awareness of the field of occupational therapy. The association also aims for the highest possible internationalization of the studies. It tries to support interdisciplinary co-operation of students and making contacts with their professional organizations. Since the very beginning, our members have participated in educational, cultural and charity events.

By the time, we have 25 members from all years of the studies (1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year Bachelor programme, and 1<sup>st</sup> and 2<sup>nd</sup> year Masters programme) as well as one representative of the teachers.

**EVENTS TAKEN:**

- the first teambuilding at the JumpPark in Zličín, 9<sup>th</sup> January 2020;
- the Open Day of First Faculty of Medicine of Charles University, 11<sup>th</sup> January 2020 – presentation of the Association and its activities;
- the Teambuilding under the project SPOT Prague recommends, 3<sup>rd</sup> February 2020:
  - recommendation of interesting places by the Association members, also including information about barrier-free access;
  - tour of Prague, visit to interesting places;
- the meeting with representatives of COTEC and ENOTHE, 20<sup>th</sup> February 2020:
  - COTEC – Council of Occupational Therapists for the European Countries;
  - ENOTHE – European Network of Occupational Therapy in Higher Education;
  - exploring the premises of Cubex;
  - organization talks with the representatives of COTEC and ENOTHE;
  - organization talks with the representative of SPOT Europe – preparation of the student section at the 2<sup>nd</sup> COTEC-ENOTHE Congress:
    - the former date of the congress – 23<sup>rd</sup> to 26<sup>th</sup> September 2020 – cancelled due to epidemiologic situation with the COVID-19 pandemics;
    - the new date set for 15<sup>th</sup> to 18<sup>th</sup> September 2021, when the congress will be held in the online form;
- ERGOHOST – meeting guests:
  - specialists' lectures (not only of the field of occupational therapy) organized by the Association in co-operation with the Department of Rehabilitation Medicine of the First Faculty of Medicine of Charles University and General University Hospital;
  - 2<sup>nd</sup> ErgoHost 9<sup>th</sup> March 2020:
    - special guests: Bc. Martina Cahová and PhDr. Vít Čelíkovský with lectures "Occupational therapy at the mental hospital in Bohnice and use of mindfulness in personal as well as professional life" and "Practical psychology in work with the patient";
  - 3<sup>rd</sup> ErgoHost 18<sup>th</sup> March 2021:
    - special guests: Deborah Murphy and Marina Georgiadou with lecture "Occupational Therapy in prison, a tale of two countries";
    - the first online ErgoHost, attended by 167 people not only from the Czech Republic but also from other countries (USA, Great Britain, Scotland, Austria, France, Portugal, Cyprus, Turkey, India and other).

Official entry of SPOT Prague – Student Platform Occupational Therapy in the registry of voluntary associations on 23<sup>rd</sup> September 2020.

Contribution to the bulletin of the Czech Association of Occupational Therapy (ČAE) 30<sup>th</sup> November 2020 – presentation of our Association and its activities:

- meeting with the second Mini SPOT in the Czech Republic;
- communicating the practical advice concerning setting up a Mini SPOT;
- making contacts with the Association.

Regular monthly meetings of the Association – online via the platform Zoom.

Regular contributions on social networks (Facebook, Instagram, Twitter):

- project SPOT Prague recommends films;
- World Days;
- sharing the contributions and events of SPOT Europe, ČAE, First Faculty of Medicine.

Regular contributions to the bulletin Jednička:

- One day with disability (December 2019 – February 2020);
- ERGOHOST – meeting with M. Cahová and V. Čelíkovský (March – April 2020);
- Online tuition in occupational therapy from Great Britain (May – June 2020);
- Online project with foreign students of occupational therapy (July – September 2020);
- We celebrate the World Day of Occupational Therapy (October – November 2020);
- Student of occupational therapy co-ordinates the help for single parents (December 2020 – February 2021).

Contributions on social networks of SPOT Europe:

- a contribution about Czech traditions;
- contribution The Day of the Occupational Therapist;
- Selfcare Sunday.

Article about activities of our Association for 2020 to the SPOT Europe Newsletter and ENOTHE Newsletter – international co-operation:

- participation at 1<sup>st</sup> Town Hall Meeting (organized by SPOT Europe);
- participation at the webinar by SPOT Europe, special guest: Frank Kronenberg (occupational therapist);

- regular communication with SPOT Europe – response to challenges and calls, sharing the contributions, planning of the COTEC-ENOTHE Congress;
- creating a presentation with information about Prague, the First Faculty of Medicine of Charles University and SPOT Prague for MiniSPOT ESSLei (association of occupational therapy students from Portugal).

Participation in sales of charity calendars for 2021 (CZK 3,400 raised).

### **What we are working on:**

Project SPOT Prague recommends:

- recommendation of interesting places by the Association members, also including information about barrier-free access;
- considering the present epidemiologic situation due to the COVID-19 pandemics, the project was extended by the movie section – recommendation of films dealing with problems of the disabled (spinal problems, sense disabilities, neurologic diseases, mental impairment, etc.).

Preparation of a workshop for the student section at 2<sup>nd</sup> COTEC-ENOTHE Congress (date of the congress: 15<sup>th</sup> – 18<sup>th</sup> September 2021):

- communication with SPOT Europe concerning organization of the congress;

creation of:

- colouring books for children – presenting the profession of the occupational therapist and the types of disabilities in a form comprehensible for children, first three books have been printed by now;
- educative leaflets;
- video manuals explaining the use of compensation aids.

Contributions to the bulletin *Jednička*.

### **Membership:**

Anyone studying in the Bachelor or follow-up Master study programme of occupational therapy at the First Faculty of Medicine of Charles University can become a member of the Association. We'll be happy to welcome all active students willing to take part in development of the field, promotion of occupational therapy and internationalization.

### **Contacts:**

- Facebook: SPOT Prague
- Instagram: spotprague
- Twitter: SPOT PRAGUE – Spolek studentů ergoterapie
- E-mail: spotprague@gmail.com

## **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 – first to the First Faculty of Medicine of Charles University, and at the turn of 2021 to the Third Faculty of Medicine as well. Now this association has 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 influences 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 ORGANIZED IN 2020**

- Exercise against obesity at the shopping centre Quadrio, 4<sup>th</sup> March 2020.

More events could not take place due to the present situation.

### **What are we doing and planning to do?**

Our activities are not limited to participation in various events where we, for example, offer the visitors with weighing on the InBody scales with assessment of their nutritional state and food intake. We also provide advice in the sphere of therapeutic

nutrition, answer questions and/or give lectures at these events. Very popular are tastings of breads and cakes that we cooked. Also on our own, we organize the NutriCafé, where each time a nutritional therapist gives a lecture on an interesting topic, and not only for health professionals.

### Membership

Any student in the Bachelor study programme of nutritional therapy at the Faculty can become a member. We'll be happy to welcome all volunteers and fans of occupational therapy willing to take part in development of the field, promotion of nutritional therapy and taking part in a variety of events.

We are afraid that students in other fields cannot become members but we will welcome any offers of co-operation. Some co-operation started at the Adi-Nutri chat in 2019, and collaboration with IFMSA members is common as well.

### Kontakty:

- Web: [www.cant.cz](http://www.cant.cz)
- Facebook: SANT Praha – Studentská asociace nutričních terapeutů v Praze; Studentská asociace nutričních terapeutů
- Instagram: [sant\\_spolek](https://www.instagram.com/sant_spolek)
- E-mail: President of the Association (Brno): [lucie.narozna@gmail.com](mailto:lucie.narozna@gmail.com), [info@sant-spolek.cz](mailto:info@sant-spolek.cz),  
Vice-president (Prague – First Faculty of Medicine of Charles University UK): [terka.schybalov@seznam.cz](mailto:terka.schybalov@seznam.cz)

## CZECH ASSOCIATION OF STUDENTS OF ADDICTOLOGY (ČASA)

One of our main objectives is uniting the students of addictology. We try to assist our members in their studies and prospective professional careers. We interconnect them to the academic community and to professionals in addictology services in the Czech Republic and abroad. Further, we try to promote the field and inform the general public about it as well.

Our mission is advocating the needs and interest of addictology students. We try to draw public attention to the new and dynamically developing field. We take an open attitude to our members' ideas so that everyone can take part in activities of the association. Thereby we want to provide the students with the chance for personal growth and connection with professional organizations. We try to improve our events, which are also meant to link the students with the academic staff and other specialists. We enhance awareness of information from addictology and explain the facts as well as myths around our field.

### Structure of the organization

The top executive body is the general meeting.

During 2020, there was a change in the management of the association. The new executive board is composed of the following:

- chairwoman Kateřina Štočková
- vice-chairwoman Nikol Koutenská
- vice-chairwoman Tereza Salavová

### Membership

Within the period in question, the membership was revised and a new post of the honorary member was established. By the end of 2020, the Association had the total number of 47 members.

### Events and activities done

- Open Day
- Addi Chat with graduates in the field of addictology
- assistance in the Dry February
- Instagram campaign (co-operation with a student of J. E. Purkinje University)
- fundraising for charity *Naděje*
- collection of anti-COVID face masks for community programmes in addictology
- GIVT – click and help
- informative meeting for newcomer students – exploring the surroundings of Charles Square
- chat with employers in addictology – in co-operation with the Department of Addictology of the First Faculty of Medicine
- shooting the video on the Open Day – videos of the First Faculty of Medicine of Charles University
- election of the executive board
- Activities on social networks
  - o response to practical training – sharing the experience of students' professional placements
  - o vacancies in addictology
  - o interesting contributions on addictology topics

### **Economy of the Association**

Throughout the year, the Association financed its activities, above all, from the membership fees.

### **Plans for future**

For the next academic year, the Czech Association of Students of Addictology intends to continue its activities, trying to get the first and second year students in the programme of addictology more involved. The aim is getting on in development of social networks or websites in order to promote awareness of general public of addictology and the studies in our field.

## **ASSOCIATION OF STUDENTS OF STOMATOLOGY OF THE CZECH REPUBLIC**

The Association of Students of Stomatology of the Czech Republic (SSSČR) is a voluntary 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.

The Association 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 HAVE BEEN DOING IN PRAGUE IN THE ACADEMIC YEAR 2019-2020 :**

- participation in the on-line General meeting of all members of SSS ČR
- organization of webinars for students of stomatology
- dentists' quiz – postponed indefinitely (originally planned for October 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
- organization of the preventive project Healthy teeth in healthy Prague (postponed to November)





**Donatio Universitatis Carolinae** was granted to Prof. MUDr. Libor Víték, Ph.D., MBA, in 2020. The aim of Donatio Universitatis Carolinae, Charles University award, is the support for prominent scientific personalities who extraordinarily contribute to the prestige of Charles University by their expertise.

Professor Libor Víték is a worldwide renowned and appreciated specialist in the sphere of experimental and clinical research of the catabolic pathway of the hem, in particular the bile pigment bilirubin. His principal writings include the publication in the journal *Atherosclerosis*, dealing with the protective role of benign hyperbilirubinaemia in development of ischemic heart disease, which won 300 responses in citation. Last year, in the prestigious scientific periodical *New England Journal of Medicine* (with the impact factor of 74.69), he published an article about therapeutic visions of the use of bilirubin for treatment of inflammatory diseases, based on many years of his research. His scientific assets are also proved by the Hirsch index of 34 and more than 4,300 responses to his scientific work in citation, which has made him the best-publishing scientist at the First Faculty of Medicine of Charles University in several successive past years. Apart from clinical research, he closely co-operates with specialists in other biomedical fields, both in Czechia and abroad.

**Rector's Award of Charles University** – Prof. MUDr. Karel Weigner prize for the best graduates in medical fields was granted to MUDr. Marek Doležal, the graduate of the study programme of General medicine.

**Extraordinary Rector's Award of Charles University** was granted to David Kulišiak, the 6<sup>th</sup> year student of the study programme of General medicine, for active participation in volunteer activities connected with the anti-COVID combat and for establishing the initiative Dobro1lf.

**Bolzano prize** – it was Mgr. et Mgr. Anna Přistoupilová, Ph.D., the graduate of the doctoral study programme Molecular and Cell Biology, Genetics and Virology that won the Bolzano prize in the biomedical category for her dissertation thesis *Use of new methods of genome analysis in the study of molecular nature of rare genetically correlated diseases*.

**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 MDDr. Antonín Tichý, 3<sup>rd</sup> year student of the doctoral study programme Preventive Medicine and Epidemiology. Doctor Tichý does research into the issues of hazards connected with application of composite materials and dental cements as well as substances released from them and influencing the hormonal balance of the human body. In 2018, he won several years of scholarship at the prominent Tokyo Medical and Dental University, where he is in research into adhesion properties of modern reconstructive materials, their assessment and methodology of processing of experimental data. In this respect, his work substantially changes the approach towards methodology of statistical processing of results.

**Minister's Award of Ministry of Education, Youth and Sport** – Last year, the Ministry of Education, Youth and Sport, considering the current covid-19 epidemics, preferred examples of good practice in distant teaching when judging the instances of excellent educational activity at schools of higher education. Among university educators who succeeded in managing

the difficult present situation in an excellent way are also the principal of the Computer Technology Centre and teacher of the Institute of Biophysics and Informatics of the First Faculty of Medicine, RNDr. Čestmír Štuka, Ph.D., and the assistant professor of the Institute of Medical Biochemistry and Laboratory Diagnostics of the First Faculty of Medicine, Charles University, and General University Hospital and the member of the Dean's Board, MUDr. Martin Vejražka, who together established the portal WikiSkripta/WikiLectures, involving students as well in creation of educative materials. The Ministry appreciates that innovative education of students in this way enhances students' motivation to study.

**The prize of the journal *Folia Biologica*** went to the article “**Effect of stress on the expression of galanin receptors in rat heart**”, published in volume 3/2017, by MUDr. Jana Šípková, RNDr. Pavel Šída, Ph.D., Ing. Nikola Kaspříková, Ph.D., Mgr. Ivana Kramáriková, Prof. MUDr. Sixtus Hynie, DrSc., and Assoc. Prof. MUDr. Věra Klenerová, DrSc.

**Gold medals of the J. E. Purkinje Czech Medical Society for 2020** was awarded to Prof. MUDr. Jan Štěpán, DrSc., from the Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute.

**Honorary medal of the J. E. Purkinje Czech Medical Society for 2020** was awarded to Prof. MUDr. Luboš Petruželka, CSc.

#### **MEMORIAL DIPLOMAS AWARDED BY THE DEAN OF THE FIRST FACULTY OF MEDICINE**

prof. MUDr. Soňa Nevšimalová, DrSc.  
 prof. RNDr. Ivan Raška  
 prof. MUDr. Pavla Doležalová, CSc.  
 prof. MUDr. Josef Prchal, DrSc.  
 prof. MUDr. Ivan Špička, CSc.  
 prof. MUDr. Jiří Homolka, DrSc.  
 prof. MUDr. František Perlík, DrSc.  
 doc. MUDr. Tomáš Štulc, Ph.D.  
 doc. RNDr. Jan Bednár, Ph.D.

#### **MEMORIAL MEDALS AWARDED BY THE DEAN OF THE FIRST FACULTY OF MEDICINE**

prof. MUDr. Viktor Kozich, CSc.  
 prof. MUDr. Marek Trněný, CSc.  
 doc. MUDr. Karel Hynek, CSc.  
 prof. MUDr. Jan Bartoníček, DrSc.  
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