

Charles University  
First Faculty of Medicine

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Annual Report

2018



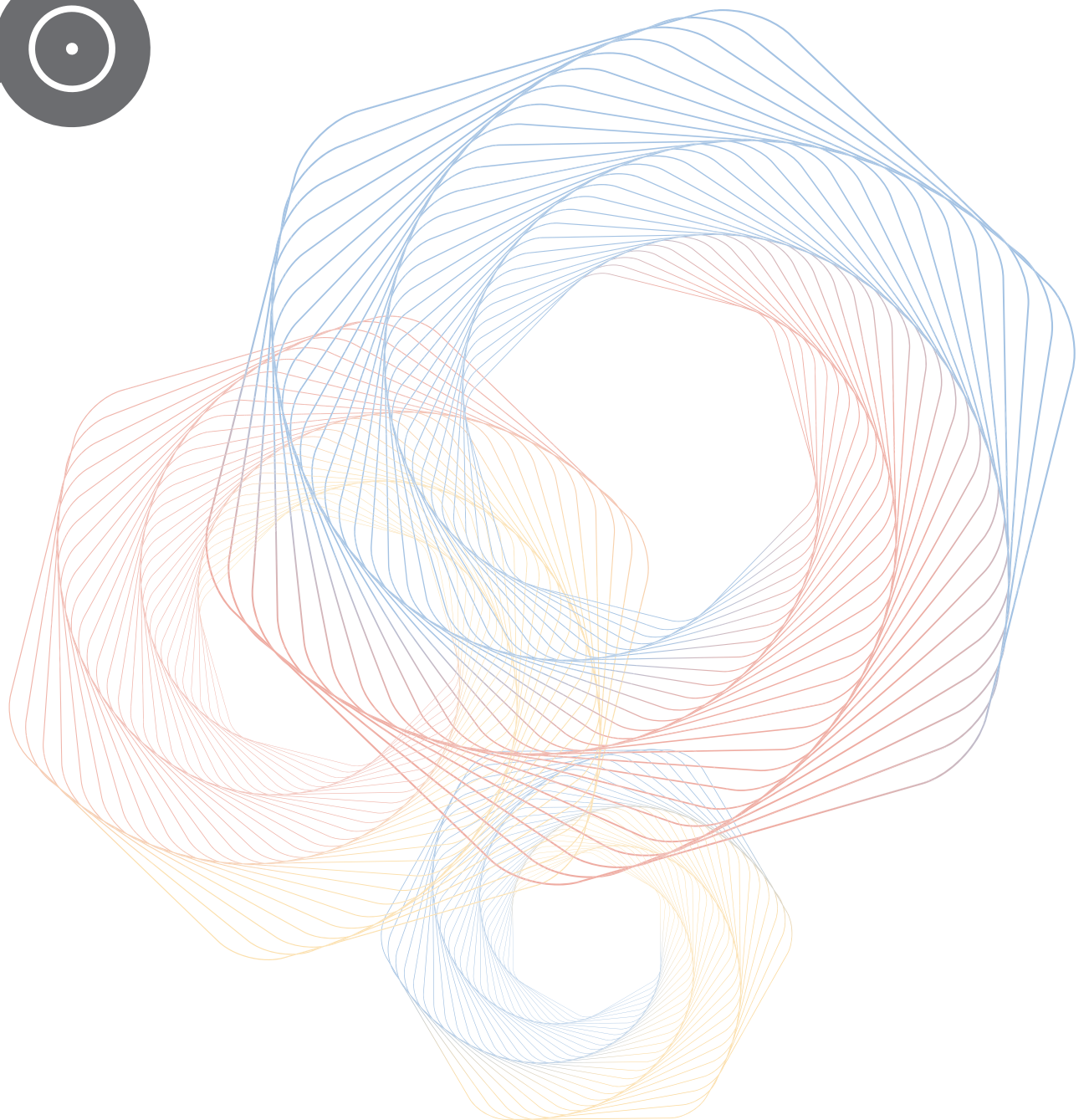


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First Faculty of Medicine

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Annual Report

2018





**FIRST FACULTY  
OF MEDICINE**  
Charles University

Compiled by team of authors from Charles University – the First Faculty of Medicine  
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*Prof. MUDr. Aleksi Šedo, DrSc.  
Dean of the Faculty*

Apart from presentation in the prescribed form, the report also provides scope for reflexion and evaluation of our achievements in the past year. A bigger or smaller step towards our goals and genesis of the success can later be used as a stepping stone for further aspirations of the Faculty and development of its most important tasks, which is, above all, education and training of students, production of quality graduates, excellent scientific achievement, development of the Faculty's background and responsibility for the results, but also happiness of the teachers and other staff of the Faculty.

In order to achieve the main objective of the Faculty – training of physicians, dentists and non-medical health professionals – we need thorough selection of prospective students. In 2018 we launched a project of interactive courses for secondary schools, offering their students with the chance to try some interesting medical activities and explore the attractive settings of the Faculty themselves rather than relying on second-hand information. This project arose enormous interest at the secondary schools and we can fairly presume that it positively influences – together with many other promotional activities – the interest in studies at our Faculty.

For three years now, the Faculty has been giving a bonus in the entrance procedures to students who had not had any problems concerning mathematics at their secondary schools. Analysis of the entrance shows that excellent secondary-school results in mathematics is a considerable predictor of their further academic achievements.

In 2018 we again extended the existing clinical base by more units, for example in health care facilities of Agel company in a number of regions all over the Czech Republic. This activity interconnected the Faculty's intention of demonstration of everyday medical practice to students with the private health care provider's request for taking part in academic medicine as well, doing so through co-operation in important projects of the Faculty and undergraduate as well as postgraduate education.

In the past year, also the set of elective subjects has been refined, whose efficiency is continuously observed. Traditionally, we mind the students' view too. In the sphere of evaluation of tuition we see the students' growing interest. We all understand that the chance of giving opinion on tuition and the teachers' approach is the right breeding ground for criticism that will contribute to further growth of the Faculty. Nevertheless, we also support the growth of the individual and every year we are really happy about the success of our students who participate or even win in a category of the Student Scientific Conference. Another long-term task that the Faculty is well aware is improvement of the milieu of postgraduate studies, whose students and their scientific output are one of the Faculty's successes. In 2018 the support of science at First Faculty of Medicine also came from the Operational Programme of the Ministry of Education, Youth and Sport called Research, Development and Education, from which the Faculty – within the projects of excellent research – managed to obtain nearly 300 million Czech crowns for the new Centre of Tumour Ecology for the period of five years for scientists doing research in the field of tumour ecology in collaboration.

The Faculty staff were also successful in passing through the twists and bends of administrative rules to obtain new accreditations or reaccreditations for particular study programmes, to evaluate the tests for entrance procedures, analysed and evaluated efficiency of internationalization and its prospective scope. They were the driving force in administration of international mobility of researchers and/or student travel under the Erasmus programme. Also our economists went all out to finish the year with a balanced budget.

After activation of the Association of Deans of Medical Schools of the Czech Republic and their discussion with ministers of education and health, and subsequently with the prime minister as well, an unprecedented shift in funding of till that time

underfinanced Czech medical schools came in 2018. In the coming decade, their budgets will be supported with an extra sum of nearly 7 billion Czech crowns. So the faculties can increase the number of admitted students by 15 % and thereby – with the correspondingly higher number of graduates – somewhat remedy the exodus of Czech doctors seeking jobs abroad. By the increase in finance, the faculties obtain the sum that they really spend on training of students, and in particular on partial bridging of the gap between “school” salaries and “hospital” salaries. Seventy per cent of the sum will be distributed to extend the wage limits of particular units, according to the respective numbers of students and teaching hours. Thirty per cent of the sum will be reserved for quarterly bonuses for the units, bonuses for their Heads, and partially for support of the Dean Office agenda connected with the growing number of students. Being well aware of how demanding our prospective tasks will be, I wish the Faculty not to miss the chance. And the efforts of all those who take part in fulfilling them should be really appreciated. Thank you!





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

For the General University Hospital, 2018 was a turning point in many respects. In November 2018, the management of the hospital was replaced after nearly 10 years, and for the first times after many years our economic balance is in the red, due to the imbalance between the growing costs and stagnation in returns. For 2019, the task of overriding importance is getting the Hospital into the black again. There are profound changes in the pipeline, which concern really everyone. This year, therefore, will be critical and – as early as the next year – the end of the negative trend and a turn for the better must be seen.

But let's turn back to 2018. By far not everything was wrong – the other way round. In the view of the scope and quality of the care provided, the General University Hospital continues to be one of the flagships of Czech health services. Like in the year before, the Hospital succeeded in holding a really high standing in observation of patient safety and satisfaction within the national project "Hospital of the Czech Republic 2018". Another task continued in 2018 was the building up of the new emergency admission unit. The first stage of the three was completed, the second started, and by 2021 we will be able to offer out patients with a new fully operational modern facility. Then, the project "Clever Hospital" continues, which ranks us at the top in use of modern information technologies: from cloud solutions up to exploitation of artificial intelligence and machine learning in nuclear medicine and radiotherapy.

And we are a teaching hospital too, so its co-operation with the oldest and largest medical school in this country, First Faculty of Medicine of Charles University, must be mentioned. The fact that these two institutions meet at one place is an enormous challenge and risk but also a great chance. The only thing is the right concept of the co-operation. In 2018 the collaboration with First Faculty of Medicine of Charles University was at a really good level. It is still true that one effect of the co-ordination of activities between the General University Hospital and First Faculty of Medicine of Charles University gave rise to the most important cluster of institutions for biomedical research in the Czech Republic. It is my intention to continue in the same vein in the coming years too and to develop this co-operation further. Above all I mean the MD/Ph.D. programmes, as it is young and extraordinarily motivated postgraduate students that are the future of the Hospital.

The General University Hospital is also active in the sphere of performance of clinical evaluation of medical drugs and supplies. In 2018, as many as 180 contracts of clinical evaluation. At the time, about 460 essays are being performed in the Hospital. Most of them are focused on multiple myeloma (1<sup>st</sup> Medical Department), cardiac failure (2<sup>nd</sup> Medical Department), high levels of cholesterol, lack of growth hormone (3<sup>rd</sup> Medical Department), colorectal carcinoma, hepatocellular carcinoma (Department of Oncology), multiple sclerosis (Department of Neurology), kidney disease and diagnosis of ovarian carcinoma.

Let's all of us wish a successful year 2019, changes to the better in the Hospital and strengthening of the relations with our Faculty!



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

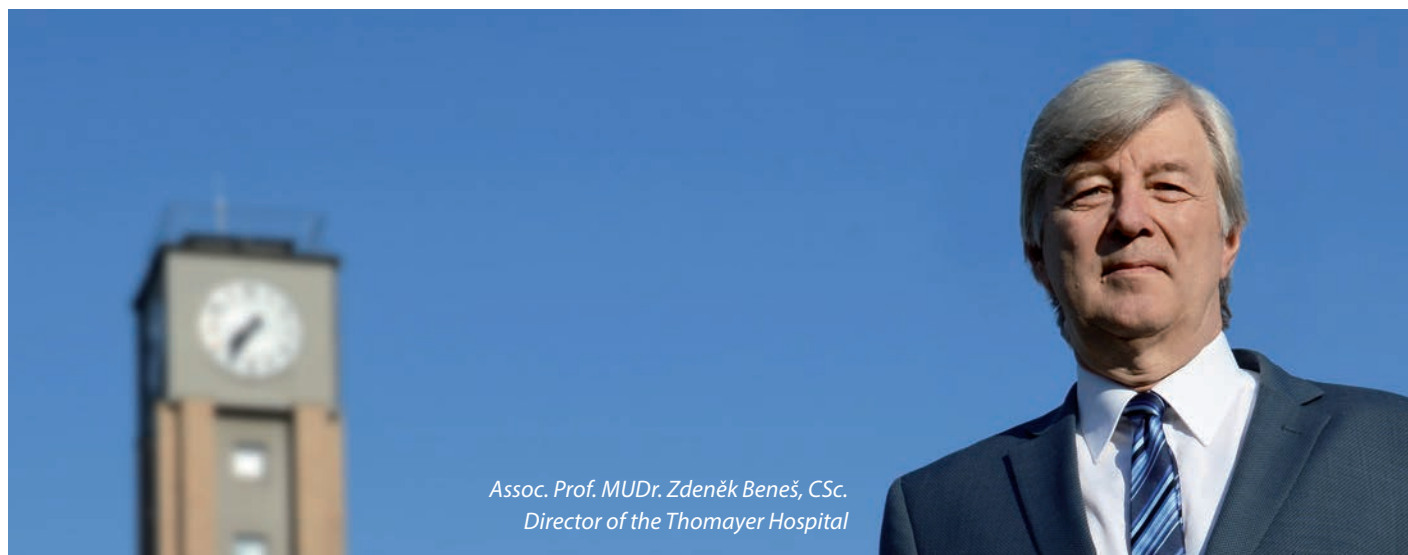
Now, it is my pleasant duty to briefly summarize mutual relations and common activities of the Central Army Hospital – Military University Hospital Prague with the First Faculty of Medicine of Charles University in its Annual Report.

The Hospital has been sharing the history with First Faculty of Medicine for as many as sixty years. It all started in 1959, as the Department of Neurosurgery and Neurooncology at the Hospital became a joint unit shared with what was called the Faculty of General Medicine at that time. In the course of time, co-operation with the Faculty developed, involving more clinical departments – medical, ophthalmological, orthopaedic, infectious disease – up to the present-time total of seven joint units. All of them are renowned specialized institutions, enjoying very good reputation with professional public as well as patients. Their Heads and their team members include a good number of outstanding specialists, renowned in Czechia as well as internationally, who pass their expertise and experience on to prospective doctors in the process of professional education and practical training.

Every year as many as two thousand students of all three medical faculties in Prague, from the third to sixth year of studies, are educated in their undergraduate studies in the Military University Hospital. About a half of them are students of the First Faculty of Medicine. The Military University Hospital provides them with training in a number of fields and elective subjects, and implements educational cycles, including parallel classes in English. Every year, students of the First Faculty of Medicine of Charles University take their pre-exam training before the State Exams at some of units of the Military University Hospital, for example at the Medical Department they train before the State Rigorous Examination and take the respective practical exam, or at the Department of Neurosurgery, which is actually the only training unit of the subject for the First Faculty of Medicine. To the time, as many as twenty of specialized units of the Hospital are involved in education and training of students. Also the Department of Infectious Diseases plays a crucial role in undergraduate education of students of the First Faculty of Medicine, of which as many as 463 were taught the respective subject in the academic year 2017-2018. And the students that experienced the training at the departments of orthopaedics, internal medicine, ophthalmology, and anaesthesiology, resuscitation and intensive medicine were hundreds in number too.

In 2018 we also enjoyed some common activities. Some colleagues gave interviews in the Chair for Faust, the regular Faculty event, and we were happy to accept the invitation to active participation in the Faculty's festival The First Republic, where the Military University Hospital had the chance to present itself as a first-republic hospital and commemorate its 80th birthday. Together with the First Faculty of Medicine we also informed about the consent of the Equipment Board with acquisition of a stereotactic neuroradiosurgical device for the Military University Hospital. I really appreciate the support of the management of the First Faculty of Medicine for putting through this long-term strategic plan of the Military University Hospital.

In conclusion, let me appreciate the exemplary co-operation of our Hospital with the management of the First Faculty of Medicine and with the Faculty as a whole. It is based on mutual confidence, acknowledgement, respect and above all support. I find the close connection with the First Faculty of Medicine a very important factor for clinical medicine – both in the sphere of education of medical students and doctors and in scientific work. I am sure that our correct and highly professional relations will be further developed and that we will together bring benefit to education, professional training, boosting the interest of medicine and knowledge, in brief the making of generations that will secure high quality health service in future. I wish all who make efforts to achieve this goal a lot of powers and success.



I am really glad to have the chance to contribute to the Annual Report of the First Faculty of Medicine of Charles University and inform about the recent events at the Thomayer Hospital. Our Hospital has long been co-operating with Charles University and its medical schools, and I am happy that we can offer prospective doctors with the background of our fully equipped facilities as well as professional and educational guidance from the Hospital staff. Although the word “teaching” was removed from the name of the Thomayer Hospital several years ago, we still perform the duties of a teaching hospital and I enjoy the collaboration with medical faculties.

In the Hospital there are many joint units that are now established and further academic activities are planned with the faculties within the new clinical departments. In spite of not being called “teaching hospital”, we have never neglected academic activities at the Thomayer Hospital, as they have a great influence on our health service. In our Scientific Board, the members are our own hospital experts as well as prominent academic scientists from particular medical faculties. We are also involved in tuition and autonomous research. We co-ordinate the health service with research and educational activities.

The last year was also a year of jubilee, as on 28<sup>th</sup> October we celebrated the 90<sup>th</sup> anniversary of foundation of what then was called Masaryk Homes (founded in 1928) and what eventually became the Thomayer Hospital. At that time, the facility was presented to the public and opened as a birthday present on the occasion of the 10<sup>th</sup> anniversary of independent Czechoslovakia.

In the development of the Hospital we would like to closely co-operate with medical faculties, which has been an important tradition for us. The principals of our clinical facilities of the First Faculty of Medicine of Charles University are experts in their fields and decidedly they are willing to carry on strengthening the relations with the academic community.

In therapeutic care we are ready to continue and deepen collaboration with medical faculties, which is beneficial for both parties, in education as well as the needs of medical care.

Within Prague, and actually within the whole Czech Republic, our Hospital ranks among the biggest health care facilities, with an immense catchment area comprising nearly 450 thousand inhabitants of the south part of Prague and also the neighbouring parts of Central Bohemia region. Therefore, co-operation between the Thomayer Hospital and the faculties can be fruitful and help the great number of patients that we care of.



*Mgr. Jan Kvaček*  
*Director of the Na Bulovce Hospital*

The Na Bulovce Hospital is an important health care provider for the north parts of Prague and the Central Bohemia region. Among the Prague hospitals, it autonomously takes care of the largest catchment area, which is also obvious from the massive and still growing number of rescue ambulances that come. In 2018 they arrived at our Hospital nearly thirty thousand times. We have many outstanding facilities, which provide medical care for patient from all over the Czech Republic.

Although the Hospital does not have the word “teaching” in its title any more, it runs top quality clinical departments in collaboration with all three medical faculties in Prague. In case of the First Faculty of Medicine of Charles University they are as many as seven units in number. And we are eager to develop the mutual co-operation further.

The Hospital is facing difficult tasks connected with understaffing, deep capital investment deficit and adverse economic situation. By the end of 2018, the economic state of the Hospital was cleared up and all the indexes were set to rights so that they can fully reflect the real situation. In the coming years, our main task will be stabilizing the Hospital gradually, so that on the long-term horizon it will be able to function within the system properly, playing all of its roles – i. e. as one of the mainstay hospitals with a large catchment area, as a centre of excellence of national importance in selected specialties, and last but not least, as an educational and research centre collaborating with medical faculties.



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

Dear friends, I am happy to have the chance to address you again in another Annual Report of the First Faculty of Medicine of Charles University. Relations between the University Hospital Motol and the First Faculty of Medicine of Charles University follow, above all, from the fact that the “adult” part of the Hospital is the seat of four joint clinical facilities. Apart from the main mission of health care facilities, which is patient care, the relation is about education, science and research, or also organization of a fair number of professional seminars and conferences. The 3rd Surgical Department is a prominent centre of excellency in the field of thoracic surgery in the Czech Republic and the only centre in the Republic to perform lung transplantations. The transplantation programme, supervised by Prof. MUDr. Lischke, is further developed, also towards “block” transplantations of the heart plus lungs in co-operation with the Institute of Clinical and Experimental Medicine, and the programme was extended onto nationals of the Slovak Republic as well. Last year, the former long-standing Head of the Department, Prof. MUDr. Pavel Pafko, DrSc., was awarded the Purkinje Prize by the Czech J. E. Purkinje Medical Society. The Department of Otorhinolaryngology, Head and Neck Surgery, headed by Prof. MUDr. Plzák, provides the complete scope of investigations and therapies for the diseases from the ENT sphere. Quality of the care provided as well as the doctors’ expertise are renowned both home and abroad. In 2018, the Head of the department was internationally acknowledged by being admitted to CORLAS (Collegium Oto–Rhino–Laryngologicum Amicitiae Sacrum). Prof. MUDr. Eduard Zvěřina, DrSc., FCMA, was awarded honorary fellowship of the Brazilian neurosurgical society, Sociedade Brasileira de Neurochirurgia. Assoc. Prof. MUDr. Jan Bouček, Ph.D., and Ass. Prof. MUDr. Zdeněk Čada, Ph.D., received the 2017 Kutvirt Prize in the category over 35 years. The 1st Department of Orthopaedics First Faculty of Medicine, Charles University and University Hospital Motol, headed by Prof. MUDr. Landor, which provides conservative and surgical care for adult patients in all scope of orthopaedic interventions, including traumatology and septic case treatment. Last year the department performed 4,300 operations and also takes part in research and development of new articulation replacements in co-operation with home as well as international partners. The last joint unit, although not least important, is the Department of Spondylosurgery of the First Faculty of Medicine and the University Hospital Motol. This institution, headed by Prof. MUDr. Štulík, is a specialized clinical department of nation-wide competence for treatment of injuries and disorders of the vertebral column in children as well as adults, and it deals, among other things, with tumour conditions, degenerative impairment, inflammatory diseases and both inborn and acquired deformities. Last year the capacity of the wards at the department was extended. Dear friends, I wish to carry on the co-operation between our Hospital and the First Faculty of Medicine of Charles University so that it will be mutually without problems and with a guaranty of high quality health care as it has always been.





*Prof. MUDr. Přemysl Strejček, DrSc.*

*Chairman of Academic Senate of the First Faculty of Medicine of Charles University*

The Academic Senate of the First Faculty of Medicine of Charles University held its sessions in the calendar year of 2018 eight times, one of these sessions being extraordinary.

The Dean of the Faculty, Prof. MUDr. Aleksi Šedo, DrSc., regularly attended the sessions to present topical information, which members of the Academic Senate responded to in discussion.

During the year the Senate members were getting actively involved in the events in the academic community, noticing and responding to a fair number of initiatives. Each time the topic was discussed in the session and a relevant resolution was adopted if the problem was decided about.

In its sessions during the year 2018, the Academic Senate particularly focused on the following:

Amendment of the University internal regulations, such as:

- Code of Study and Examination of Charles University – the changes proposed are predominantly technical ones, such as new definitions and specifications in the new version of the regulation
- the Accreditation Code of Charles University – technical adjustments
- Code of Admissions Procedure of Charles University
- proposal of amendment to Scholarship and Bursary Rules of Charles University
- proposal of amendment to Appendix No. 2 to the Constitution of Charles University, concerning the study fees
- proposal of amendment Appendix No. 3 to the Constitution of Charles University concerning the insignia of the Faculty of Social Sciences of Charles University

Proposals for Dean's Orders concerning the following:

- sums of bursaries in the doctoral study programme
- terms and conditions of admissions procedure in the academic year 2019-2020
- terms and conditions of admissions procedure for doctoral study programmes

The Academic Senate of the First Faculty of Medicine approved the Faculty's budget for the calendar year 2018.

The following proposals for accreditations were discussed:

- bachelor study programme of Nutritional Therapy in both full-time and combined forms of study
- mastery study programme of Dentistry in full-time form of study in both Czech and English languages
- bachelor study programme of Occupational therapy in full-time form of study
- follow-up masters study programme of Occupational therapy in full-time form of study
- bachelor study programme of Addictology in both full-time and combined forms of study
- follow-up masters study programme of Addictology in both full-time and combined forms of study in both Czech and English languages
- bachelor study programme of Midwifery in full-time form of study
- masters study programme of Children's and adults' nutrition in both full-time and combined forms



of study in Czech language

- institutional accreditation of the doctoral study programme of Biochemistry and pathobiochemistry

Discussion of regulations, proposals of changes and forwarding them to the Legislative Board of Charles University to be passed comprised, in particular, the Rules for the System of Internal Evaluation and Quality Assurance of Charles University, and the Faculty's internal regulations Rules for Organization of Studies at the First Faculty of Medicine, Rules for Awarding Scholarships and Bursaries at the First Faculty of Medicine, Rules for Admission Procedures at the First Faculty of Medicine, Disciplinary Rule for Students of the First Faculty of Medicine, Code of Electoral Procedure for the Academic Senate of the First Faculty of Medicine, Code of Procedure for the Academic Senate of the First Faculty of Medicine, Code of Procedure for the Scientific Board of the First Faculty of Medicine, Terms and Conditions of Admissions Procedure for Doctoral Study Programmes for the academic year 2018-2019 with the schedule of dates for admission procedures.

Further, information from the delegate to the Council of Universities was heard and discussed.

Another important point of the Senate's agenda was evaluation of tuition by students as every year.

The November out-of-home session of the Dean's Board was then, on 9<sup>th</sup> and 10<sup>th</sup> November, followed by the meeting of Czech and Slovak medical schools in Brno. The Medical Faculty of Masaryk University was the host of this event, which was attended by representatives of the managements of nine Czech and four Slovak medical faculties. The deans of the faculties joined in the Association of Deans of Medical Faculties of the Czech Republic issued a common proclamation. Among other things, they welcomed adoption of the long-term government programme which shall considerably increase the numbers of students of general medicine in the coming years to prevent the hazard of personnel collapse in the health service. At the same time, they highly appreciate the approach of the Ministry of Health and the Ministry of Education, Youth and Sport that allowed for accelerated preparation and implementation of the government programme. In the section of academic senates, the session proceeded along the same lines. Then an excursion was offered to present the university campus in Brno.

Students' enquiries from the Senators' Mailbox were dealt at presence of representatives of the fields of Occupational Therapy as they were concerned with the follow-up Masters study programme in that field.

Records of other agenda are available in minutes of sessions of the Academic Senate of the First Faculty of Medicine of Charles University, all of them revised by two elected minutes supervisors.

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

**Chairman:** Prof. MUDr. Přemysl Strejc, DrSc.

**Vice-Chairwoman:** MUDr. Hana Dittrichová

### Teachers' representatives:

Prof. MUDr. Jan Bartoníček, DrSc.

Prof. MUDr. Petr Broulík, DrSc.

MUDr. Jan Bříza, CSc., MBA

Assoc. Prof. MUDr. Vilém Danzig, Ph.D.

Prof. MUDr. Zdeněk Krška, DrSc.

Prof. MUDr. Alois Martan, DrSc.

Prof. MUDr. Pavel Pafko, DrSc.

Prof. MUDr. Jiří Raboch, DrSc.

Prof. MUDr. Karel Smetana, DrSc.

Prof. MUDr. Přemysl Strejc, DrSc.

Prof. MUDr. Stanislav Štípek, DrSc.

Assoc. Prof. MUDr. Petra Tesařová, CSc.

Assoc. Prof. MUDr. Michal Vrablík, Ph.D.

Assoc. Prof. MUDr. Lukáš Zlatohlávek, Ph.D.

Assoc. Prof. MUDr. Jan Živný, Ph.D.

### Students' representatives:

Jan Bartoška

Ing. Mgr. Lukáš Dibdiak

MUDr. Hana Dittrichová

Hedvika Kaplánová (till 17 September 2018)

David Kulišák

PaedDr. Josef Marchoň

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

Alžběta Nováková

David Novotný

Tomáš Parvív Mirchi

Martin Pehr

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

MUDr. Petr Smejkal (since 12 November 2018)

Petr Tišer

František Vaňásek

MUDr. Martin Vejražka, Ph.D.

## MANAGEMENT OF THE FACULTY

**Dean:** Prof. MUDr. Aleksi Šedo, DrSc.

### Vice-Deans:

Prof. MUDr. Jana Dušková, DrSc., MBA,

*Vice-Dean for Admission Procedures*

Prof. MUDr. René Foltán, Ph.D.,

*Vice-Dean for Stomatology / Dentistry*

Prof. MUDr. Tomáš Hanuš, DrSc.,

*Vice-Dean for Clinical Education*

Prof. MUDr. David Sedmera, Ph.D., DSc.,  
*Vice-Dean for International Students and Social Affairs*  
Prof. RNDr. Libuše Kolářová, CSc.,  
*Vice-Dean for Grant Projects and Postgraduate Doctoral Studies*  
Ing. Ivan Mikula, Ph.D.,  
*Vice-Dean for Development of the Faculty*  
Prof. PhDr. Michal Mioviský, Ph.D.,  
*Vice-Dean for Non-Medical Study Programmes*  
Assoc. Prof. MUDr. Martin Vokurka, CSc.,  
*Vice-Dean for Students' Affairs and Theoretical and Pre-Clinical Education*  
Prof. MUDr. Aleš Žák, DrSc.,  
*Vice-Dean for Scientific Activities (till 30 September 2018)*  
Assoc. Prof. MUDr. Pavel Klener, Ph.D.,  
*Vice-Dean for Scientific Activities (since 1 October 2018)*

## SCIENTIFIC BOARD

**Chairman:** Prof. MUDr. Aleksi Šedo, DrSc.

Prof. MUDr. Vladimír Bencko, DrSc.  
Prof. MUDr. Vladimír Beneš, DrSc.  
Prof. MUDr. Jan Betka, DrSc.  
Assoc. Prof. Mgr. Karel Černý, Ph.D.  
Prof. MUDr. Jan Daneš, CSc.  
Prof. MUDr. Pavel Dundr, Ph.D.  
Prof. MUDr. Pavel Dungl, DrSc.  
Prof. MUDr. Jana Dušková, DrSc.  
Prof. MUDr. René Foltán, Ph.D.  
Prof. MUDr. Miloš Grim, DrSc.  
Prof. MUDr. Zdeněk Hájek, DrSc.  
Prof. MUDr. Jarmila Heissigerová, Ph.D.  
Assoc. Prof. MUDr. David Hoskovec, Ph.D.  
Prof. MUDr. Otomar Kittnar, CSc.  
Assoc. Prof. MUDr. Pavel Klener, Ph.D., (since 1 October 2018)  
Assoc. Prof. MUDr. Radim Kočvara, CSc.  
Prof. RNDr. Libuše Kolářová, CSc.  
Prof. MUDr. Ivan Landor, CSc.  
Prof. MUDr. Robert Lischke, Ph.D.  
Prof. MUDr. Soňa Nevšímalová, DrSc.  
Prof. MUDr. Hana Papežová, CSc.  
Prof. MUDr. Karel Pavelka, DrSc.  
Assoc. MUDr. PhDr. Jan Payne, Ph.D.  
Prof. MUDr. František Perlík, DrSc.  
Prof. MUDr. Luboš Petruželka, CSc.  
Prof. MUDr. Evžen Růžička, DrSc.  
Prof. MUDr. Štěpán Svačina, DrSc.  
Assoc. MUDr. Marek Šetina, CSc.  
Prof. MUDr. Jiří Štork, CSc.  
Prof. MUDr. Vladimír Tesař, DrSc.  
Prof. MUDr. Marek Trněný, CSc.  
Prof. MUDr. Libor Vítek, Ph.D.  
Assoc. Prof. MUDr. Martin Vokurka, CSc.

### Members of Dean's Office Board:

Prof. MUDr. Jan Betka, DrSc.  
Prof. MUDr. Zdeněk Krška, DrSc.  
Prof. MUDr. Otomar Kittnar, CSc., MBA  
Prof. MUDr. Alois Martan, DrSc.  
Prof. MUDr. Pavel Martásek, DrSc.  
Prof. MUDr. Karel Smetana, DrSc.  
Ing. Eva Soubustová, MBA  
Prof. MUDr. Jan Škrha, DrSc., MBA  
MUDr. Martin Vejražka, Ph.D.  
Assoc. Prof. MUDr. Jan Živný, Ph.D.  
Jan Bartoška – representative of students  
for the Academic Senate of the Faculty)

Assoc. Prof. MUDr. Sergej Zacharov, Ph.D.  
Prof. MUDr. Jiří Zeman, DrSc.  
Prof. MUDr. Aleš Žák, DrSc.

### External members of the Scientific Board:

Prof. RNDr. Pavel Anzenbacher, DrSc.  
RNDr. Martin Bilej, DrSc.  
Prof. MUDr. Radim Brdička, DrSc.  
Prof. MUDr. RNDr. Miroslav Červinka, CSc.  
MUDr. Ján Dudra, Ph.D.  
Assoc. Prof. MUDr. Vojtěch Hainer, CSc.  
Prof. RNDr. Milan Kodíček, CSc.  
Prof. MUDr. Milan Kolář, Ph.D.  
Prof. MUDr. Zdeněk Kolář, DrSc.  
MUDr. Jan Kopecký, DrSc.  
RNDr. Jaroslav Kuneš, DrSc.  
Prof. MUDr. Jindřich Mourek, DrSc.  
RNDr. Šárka Němečková, DrSc.  
MUDr. Tom Philipp, Ph.D., (replaced by 15 October 2018)  
Prof. MUDr. Roman Prymula, CSc., (since 16 October 2018)  
Ing. Zdeňka Sedláková, CSc., (since 16 October 2018)  
Assoc. Prof. RNDr. Ondřej Slabý, Ph.D.  
Prof. MUDr. Martin Smrčka, Ph.D.  
Prof. MUDr. Josef Syka, DrSc.  
Prof. MUDr. Pavel Šlampa, CSc.  
Assoc. Prof. MUDr. Jan Veverka, CSc.  
Prof. Ing. Jiří Witzany, DrSc.  
Assoc. Prof. MUDr. Pavel Zonča, Ph.D.



*Ing. Ivan Mikula, Ph.D.*

*Vice-Dean for Development of the Faculty*

Like the year before, the past year of 2018 may have appeared nearly boring in terms of development if judged superficially. We did not cut the tape at any new premises, it goes without saying that the infrastructure built in the years before is now considered as established part of the Faculty and a notion of them is no hot news in the chapter of development. At an outside glimpse, the Faculty may have resembled the surface of a lake under the lee. In reality, however, under the seemingly still surface intensive activity of virtually all administrative sections of the Dean Office as well as the units involved in development projects was in progress, and the surface that seems still is actually does them credit. The metaphor of the water surface was used on purpose as we really have to tackle oceans of red tape, growing from year to year.

As already said, infrastructures as BIOCEV, CAPI and many other, smaller but not much less important, have become well-established and well-functioning parts of the Faculty and hardly anyone keeps them for a novelty any more. Thanks to the responsible approach to the strategy of development, administration of projects and economics, the Faculty is doing very well in meeting all undertakings concerning the providers of financial resources for development projects, may it be sustainability of projects from the previous operational period or – in case of ongoing projects – meeting the monitored indicators, financial participation and many other obligations that we have as the recipient of subsidies.

Preparation of the Kampus Albertov project moved from the media-friendly sphere of open competition to drawing boards, working desk and negotiating tables, which cannot be seen from the outside but the more intensive work they experience. Next year, the activity of the working team shall become more visible again as the area of the future building sees preparations such as demolition of the old buildings, architectural research etc.

A very successful year was 2018 in terms of exploitation of European structural funds. Our Faculty won 6 projects amounting to the total of more than 280 million Czech crowns for the Faculty. Undoubtedly the greatest success was gaining the big project in the call OP VVV Excellent Research, where extra funding of the project of the Centre of Tumour Ecology was allotted, with Prof. Smetana as the principal researcher and the total sum of nearly 300 million, of which more than a half was allotted to the Faculty. In ESF we are – as recipients of funds or partners – involved in 16 projects amounting to the total of 450 million for the Faculty, including 12 projects from the Ministry of Education, Youth and Sport programme MŠMT OP VVV (Research, development, education), three project from the programme of the capital city of Prague OP PPR (Prague – Pole of growth) and one project from the Ministry of Industry and Commerce programme OP PIK (Enterprise and innovation for competitiveness). In the remaining two years of this operational period, no big calls are opened any more but anyway we can expect calls for minor projects which, however, can bring considerable benefits for the Faculty, as the “Furniture” call has proved. Considering the short times for preparation and implementation, being successful in such calls will only be possible if we already have the projects in the pipeline, and that is why continuous collection of potential project intentions from particular organization units takes place at the Faculty.

The seeming tranquillity, already mentioned in the beginning of this article, was also seen in the organizational structure of the Faculty: it did not experience any changes in 2018.

## Survey of changes in management of organizational units in 2018

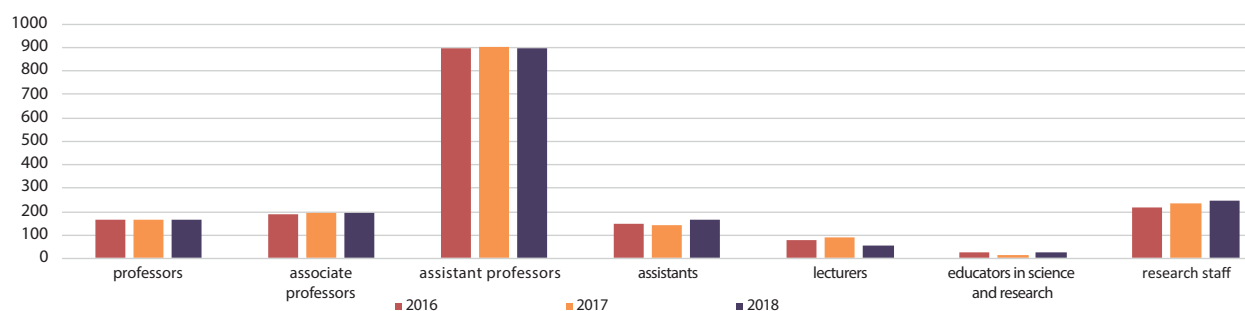
Unit	New Head / manager
Institute of Forensic Medicine and Toxicology, First Faculty of Medicine, Charles University and General University Hospital in Prague	Assoc. Prof. RNDr. Dr. Radomír Čabala

## Number of scientific and educational staff between 2016 and 2018

	2016		2017		2018	
	actual number of staff	average converted	actual number of staff	average converted	actual number of staff	average converted
total	1713	732,03	1742	735,222	1747	746,114
professors	163	108,858	165	109,084	164	112,263
associate professors	186	107,061	194	106,355	195	102,975
assistant professors	895	333,363	904	329,762	896	329,799
assistants	145	40,848	144	41,853	164	44,825
lecturers	80	21,905	89	25,625	52	22,338
educators in science and research	24	17,382	14	17,42	27	21,721
research staff	220	102,613	232	105,123	249	112,193

The actual number of staff is always stated by 3<sup>rd</sup> December of the respective year.

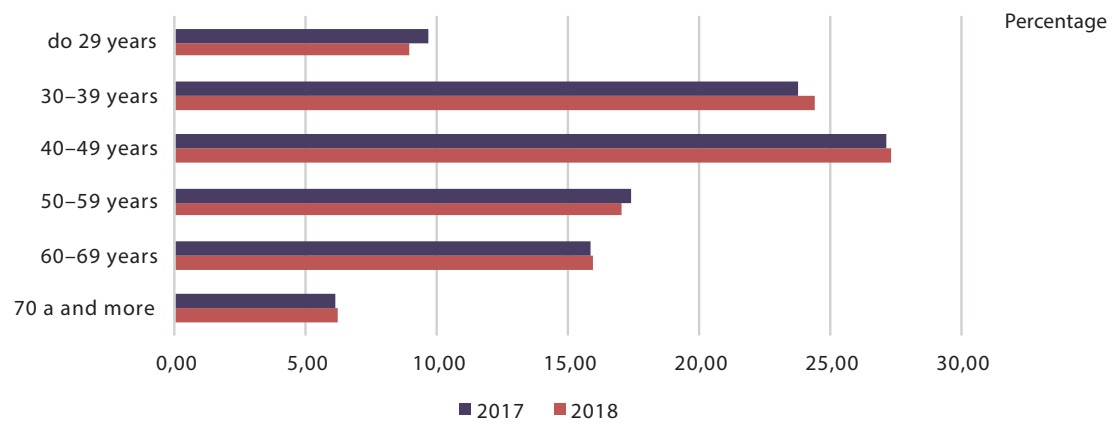
## Composition of scientific &amp; educational staff—actual numbers



## Survey of composition of the staff in 2017–2018 by age

Age	Percentage	
	2017	2018
under 29 years	9,68	8,98
30–39 years	23,76	24,44
40–49 years	27,18	27,29
50–59 years	17,42	17,07
60–69 years	15,82	15,98

## Survey of composition of the staff by age



## APPOINTMENT OF PROFESSORS AND ASSOCIATE PROFESSORS IN 2018



In 2018 the Scientific Board of the First Faculty of Medicine performed 9 procedures for appointment to professor posts, all of which were approved and proposals were passed to the Rector Office of Charles University for further procedures. The Scientific Board of Charles University in Prague discussed 10 proposals from the First Faculty of Medicine; all the proposals were approved and submitted to the Ministry of Education, Youth and Sports of the Czech Republic for further procedures. In 2018 the President of the Czech Republic appointed 12 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 17 habilitation procedures. In 2018, the Rector of Charles University appointed 15 Associate Professors who had passed the habilitation procedures at the First Faculty of Medicine of Charles University in Prague.

Numbers of appointment procedures passed in the Scientific Board of the First Faculty of Medicine between 1995 and 2018

Professors												
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	5	7	1	5	0	7	7	7	13	11	14	15
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
	13	7	9	7	12	19	6	9	7	6	9	9
Associate professors												
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	8	11	14	12	3	10	15	16	16	16	18	17
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
	17	17	12	18	7	16	18	15	10	17	16	17

Professors appointed in 2018

Name, establishment	Field	Scientific Board of Faculty	Scientific Board of University	Appointed with the effect from
<b>Assoc. Prof. MUDr. Ivan Netuka, Ph.D.</b> Institute of Clinical and Experimental Surgery 2 <sup>nd</sup> Department of Surgery – Department of Cardiovascular Surgery, First Faculty of Medicine, Charles University and General University Hospital	cardiosurgery	30 May 2017	26 Oct 2017	14 June 2018



<b>Assoc. Prof. MUDr. Zdeněk Kleibl, Ph.D.</b> Institute of Biochemistry and Experimental Oncology of the First Faculty of Medicine, Charles University	medical chemistry and biochemistry	30 May 2017	30 Nov 2017	14 June 2018
<b>Assoc. Prof. RNDr. Ondřej Slabý, Ph.D.</b> Masarykův Institute of Oncology Faculty of Natural Science, Masaryk University Institute of Central Europe, Masaryk University Institute of Biochemistry and Experimental Oncology of the First Faculty of Medicine, Charles University	medical chemistry and biochemistry	27 June 2017	26 Oct 2017	14 June 2018
<b>Assoc. Prof. MUDr. Václav Báča, Ph.D.</b> Institute of Anatomy of the Third Faculty of Medicine, Charles University Polytechnic University in Jihlava	anatomy, histology and embryology	31 Oct 2017	25 Jan 2018	14 June 2018
<b>Assoc. Prof. MUDr. et MUDr. René Foltán, Ph.D.</b> Department of Stomatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	stomatology	31 Oct 2017	22 Feb 2018	14 June 2018
<b>Assoc. Prof. MUDr. Zdeněk Klézl, CSc.</b> 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 Department of Orthopaedics and Traumatology of the Third Faculty of Medicine, Charles University, and the University Hospital Na Vinohradech Trauma-Orthopaedic Department RDH University of Nottingham, AOSpine Faculty	surgery	28 Nov 2017	22 Feb 2018	14 June 2018
<b>Assoc. Prof. MUDr. Michal Vrablík, Ph.D.</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	12 Dec 2017	25 Jan 2018	14 June 2018
<b>Assoc. Prof. RNDr. Marie Korabečná, Ph.D.</b> Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	medical biology and genetics	30 Jan 2018	26 Apr 2018	18 Dec 2018
<b>Assoc. Prof. MUDr. Michal Zikán, Ph.D.</b> Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	obstetrics and gynaecology	27. Feb 2018	26 Apr 2018	118 Dec 2018
<b>Assoc. Prof. MUDr. David Netuka, Ph.D.</b> Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital Prague	neurosurgery	27 Mar 2018	31 May 2018	18 Dec 2018
<b>Assoc. Prof. PhDr. et PhDr. Radek Ptáček, Ph.D.</b> Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague Faculty of Arts and Philosophy, Charles University University of New York in Prague Institute for Postgraduate Medical Education Czech Medical Chamber Judicial Academy National Institute for Children and Family	medical psychology	27 Mar 2018	31 May 2018	18 Dec 2018
<b>Assoc. Prof. MUDr. Jaroslav Čermák, CSc.</b> Institute of Clinical and Experimental Haematology, First Faculty of Medicine, Charles University and Institute of Haematology and Blood Transfusion	internal medicine	24 Apr 2018	20 Sep 2018	18 Dec 2018

## PROCEDURES FOR APPOINTMENT TO PROFESSOR POSTS AT THE SCIENTIFIC BOARD OF THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY IN 2018



**Assoc. Prof. RNDr. Marie Korabečná, Ph.D.**

Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague

Appointment procedure in the field of:

**medical biology and genetics**

Scientific Board of the First Faculty of Medicine of Charles University on: 30 Jan 2018

Title of the lecture: Biological importance of freely circulating DNA

Scientific Board of Charles University: 26 Apr 2018

*Appointed with the effect from: 18 Dec 2018*

**Assoc. Prof. MUDr. Michal Zikán, Ph.D.**

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

Appointment procedure in the field of:

**obstetrics and gynaecology**

Scientific Board of the First Faculty of Medicine of Charles University on: 27 Feb 2018

Title of the lecture: Hereditary disposition to occurrence of breast carcinoma and ovarian carcinoma and its clinical management

Scientific Board of Charles University: 26 Apr 2018

*Appointed with the effect from: 18 Dec 2018*

**Assoc. Prof. MUDr. David Netuka, Ph.D.**

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

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

Scientific Board of the First Faculty of Medicine of Charles University: 27 Mar 2018

Title of the lecture: Endoscopic endonasal surgery on the base of the skull and intraoperative MRI

Scientific Board of Charles University: 31 May 2018

*Appointed with the effect from: 18 Dec 2018*

**Assoc. Prof. PhDr. et PhDr. Radek Ptáček, Ph.D.**

Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague; Faculty of Arts and Philosophy, Charles University; University of New York in Prague; Institute for Postgraduate Medical Education; Czech Medical Chamber; Judicial Academy; National Institute for Children and Family

Appointment procedure in the field of:

**medical psychology**

Scientific Board of the First Faculty of Medicine of Charles University: 27 Mar 2018

Title of the lecture: ADHD as a life-long disorder

Scientific Board of Charles University: 31 May 2018

*Appointed with the effect from: 18 Dec 2018*

**Assoc. Prof. MUDr. Jaroslav Čermák, CSc.**

Institute of Clinical and Experimental Haematology, First Faculty of Medicine, Charles University and Institute of Haematology and Blood Transfusion

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

Scientific Board of the First Faculty of Medicine of Charles University on: 24 Apr 2018

Title of the lecture: Myelodysplastic syndrome – pathogenesis, prognosis, treatment

Scientific Board of Charles University: 20 Sep 2018

*Appointed with the effect from: 18 Dec 2018*

**Assoc. Prof. MUDr. Petra Tesařová, CSc.**

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

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

Scientific Board of the First Faculty of Medicine of Charles University: 24 Apr 2018

Title of the lecture: Breast carcinoma in young women  
*Scientific Board of Charles University: 18 Oct 2018*

**Assoc. Prof. MUDr. Tomáš Honzík, Ph.D.**

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

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

Scientific Board of the First Faculty of Medicine of Charles  
 University: 30 Oct 2018

Title of the lecture: Hereditary disorders of glycosylation

*Scientific Board of Charles University: 28 Feb 2019*

**Assoc. Prof. MUDr. Roman Zachoval, Ph.D.**

Department of Urology, Thomayer Hospital

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

Scientific Board of the First Faculty of Medicine of Charles  
 University: 30 Oct 2018

Title of the lecture: Development of surgical treatment for  
 male stress incontinence in the past three decades

*Scientific Board of Charles University: 28 Feb 2019*

**Assoc. Prof. MUDr. Michal Mára, CSc.**

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

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

Scientific Board of the First Faculty of Medicine of Charles  
 University: 11 Dec 2018

Title of the lecture: Treatment for pathologies of the uterine  
 body in women in their fertile age

*Scientific Board of Charles University: 28 Mar 2019*

Associate professors appointed in 2018

Name, institution	Field	Title of the thesis	Defended at Scientific Board of the Faculty	Appointed with the effect from
<b>MUDr. Jan Bouček, Ph.D.</b> Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol	otorhinolaryngology	Difference in immunity response in patients with pavement cell carcinoma of the head and neck in relation to etiology	28 Nov 2017	1 Feb 2018
<b>MUDr. Tomáš Grus, Ph.D.</b> 2 <sup>nd</sup> Department of Surgery – Department of Cardiovascular Surgery, First Faculty of Medicine, Charles University and General University Hospital in Prague; Regional Hospital Příbram	surgery	Influencing the patency of infrainguinal vessel reconstructions	12 Dec 2017	1 Feb 2018
<b>MUDr. Vít Zikán, Ph.D.</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	The skeleton and multiple sclerosis	12 Dec 2017	1 Feb 2018
<b>RNDr. Marek Minárik, Ph.D.</b> Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague; Faculty of Natural Science, Charles University; Genomac Research Institute	medical biology and genetics	Use of somatic DNA mutations in diagnosis, treatment and monitoring of sporadic gastrointestinal tumours	30 Jan 2018	1 Apr 2018
<b>MUDr. Štěpán Suchánek, Ph.D.</b> Department of Medicine, First Faculty of Medicine, Charles University and Military University	internal medicine	Optimization of screening for colorectal carcinoma: from indicators of quality of a population programme to stratification of individual risk	30 Jan 2018	1 Apr 2018
<b>MUDr. Martin Ošťádal, Ph.D.</b> Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	Orthopaedics	Recent view of treatment and pathogenesis of pes equinovarus congenitus	27 Feb 2018	1 May 2018

<b>MUDr. František Novák, Ph.D.</b> 4 <sup>th</sup> Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	internal medicine	Inflammation, malnutrition in disease and importance of nutrition support: from metabolism of nutrients to clinical practice	27 Feb 2018	1 May 2018
<b>MUDr. Michal Tomčík, Ph.D.</b> Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	internal medicine	New goals of antifibrotic treatment in systemic sclerodermy	27 Mar 2018	1 May 2018
<b>MUDr. Viktor Mravčík, Ph.D.</b> Department of Addictology of Charles University – the First Faculty of Medicine, and the General University Hospital; Office of Government of the Czech Republic; Institute for Postgraduate Medical Education; National Institute of Mental Health	hygiene and epidemiology	Epidemiology of problem drug abuse	24 Apr 2018	1 June 2018
<b>MUDr. Eva Kieslichová, Ph.D.</b> Institute of Clinical and Experimental Surgery; Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – the First Faculty of Medicine, and the General University Hospital; Department of Anaesthesiology and Intensive Care, First Faculty of Medicine, Charles University and Thomayer Hospital; Institute for Postgraduate Medical Education	anaesthesiology and resuscitation	Therapeutic approach to acute hepatic failure	29 May 2018	1 Aug 2018
<b>MUDr. Jan Šperl, CSc.</b> Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague; Institute of Clinical and Experimental Surgery	internal medicine	Treatment of viral hepatitis in immunocompromised patients	29 May 2018	1 Aug 2018
<b>MUDr. RNDr. Pavel Ješina, Ph.D.</b> Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague; Institute of Physiology, Academy of Sciences of the Czech Republic	clinical biochemistry	Mitochondrial diseases due to genetic disorders of F1Fo-ATP synthase	26 June 2018	1 Oct 2018
<b>PharmDr. Jana Rečková Hroudová, Ph.D.</b> 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	medical pharmacology	Mitochondrial functions in neuro-psycho-pharmacology	25 Sep 2018	1 Dec 2018
<b>Ing. Hana Tomášková, Ph.D.</b> Institute of Epidemiology and Public Health Protection of the Medical Faculty, University of Ostrava	hygiene and epidemiology	Carcinogenous hazard in miners in black coal mines in the Czech Republic	25 Sep 2018	1 Dec 2018
<b>MUDr. Richard Salzman, Ph.D.</b> Department of Otorhinolaryngology of the Medical Faculty of Palacký University and the Teaching Hospital Olomouc	otorhinolaryngology	Selected prognostic and predictive oncologic markers of head and neck tumours	25 Sep 2018	1 Dec 2018

<b>MUDr. Jan Bouček, Ph.D.</b> Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol	otorhinolaryngology	Difference in immunity response in patients with pavement cell carcinoma of the head and neck in relation to etiology	28 Nov 2017	1 Feb 2018
<b>MUDr. Tomáš Grus, Ph.D.</b> 2 <sup>nd</sup> Department of Surgery – Department of Cardiovascular Surgery, First Faculty of Medicine, Charles University and General University Hospital in Prague; Regional Hospital Příbram	surgery	Influencing the patency of infrainguinal vessel reconstructions	12 Dec 2017	1 Feb 2018

## HABILITATION PROCEDURES TO APPOINT ASSOCIATE PROFESSORS, PASSED IN THE SCIENTIFIC BOARD OF THE FIRST FACULTY OF MEDICINE AT CHARLES UNIVERSITY IN 2018

### **RNDr. Marek Minárik, Ph.D.**

Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague; Faculty of Natural Science, Charles University; Genomac Research Institute  
Habilitation procedure in the field of:

#### **medical biology and genetics**

Scientific Board of the First Faculty of Medicine of Charles University on: 30 Jan 2018

Title of the lecture: Detection of mutations of circulating tumour DNA for screening and early diagnosis of progression of the disease in patients with colorectal carcinoma

*Appointed with the effect from 1 Apr 2018*

### **MUDr. Štěpán Suchánek, Ph.D.**

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

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

Scientific Board of the First Faculty of Medicine of Charles University on: 30 Jan 2018

Title of the lecture: Efficient screening programme for colorectal carcinoma: from indicators of quality to reduction of population trends

*Appointed with the effect from 1 Apr 2018*

### **MUDr. Martin Ošťádal, Ph.D.**

Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague

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

Scientific Board of the First Faculty of Medicine of Charles University on: 27 Feb 2018

Title of the lecture: Pes equinovarus: new therapeutic procedures and pathogenetic mechanisms

*Appointed with the effect from 1 May 2018*

### **MUDr. František Novák, Ph.D.**

4<sup>th</sup> Department of Medicine – Department of Gastroenterology and Hepatology, 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: 27 Feb 2018

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

*Appointed with the effect from 1 May 2018*

### **MUDr. Michal Tomčík, Ph.D.**

Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute

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

Scientific Board of the First Faculty of Medicine of Charles University on: 27 Mar 2018

Title of the lecture: New goals of antifibrotic treatment in systemic sclerodermy

*Appointed with the effect from 1 May 2018*

### **MUDr. Viktor Mravčík, Ph.D.**

Department of Addictology of Charles University – the First Faculty of Medicine, and the General University Hospital; Office of Government of the Czech Republic; Institute for Postgraduate Medical Education; National Institute of Mental Health  
Habilitation procedure in the field of:

#### **hygiene and epidemiology**

Scientific Board First Faculty of Medicine of Charles University on: 24 Apr 2018

Title of the lecture: Impact of addictive drug abuse in view of public health service

*Appointed with the effect from 1 June 2018*

### **MUDr. Eva Kieslichová, Ph.D.**

Institute of Clinical and Experimental Surgery; Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – the First Faculty of Medicine, and the General University Hospital; Department of Anaesthesiology and Intensive Care, First Faculty of Medicine, Charles University and Thomayer Hospital; Institute for Postgraduate Medical Education  
Habilitation procedure in the field of:

#### **anaesthesiology and resuscitation**

Scientific Board First Faculty of Medicine of Charles University on: 29 May 2018



Title of the lecture: Therapeutic approach to acute hepatic failure  
*Appointed with the effect from 1 Aug 2018*

**MUDr. Jan Šperl, CSc.**

Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague; Institute of Clinical and Experimental Surgery

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

Scientific Board First Faculty of Medicine of Charles University on: 29 May 2018

Title of the lecture: Treatment of viral hepatitis in immunocompromised patients

*Appointed with the effect from 1 Aug 2018*

**MUDr. RNDr. Pavel Ješina, Ph.D.**

Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague; Institute of Physiology, Academy of Sciences of the Czech Republic

Habilitation procedure in the field of: **clinical biochemistry**

Scientific Board First Faculty of Medicine of Charles University on: 26 June 2018

Title of the lecture: Mitochondrial diseases due to genetic disorders of F1Fo-ATP synthase

*Appointed with the effect from 1 Oct 2018*

**PharmDr. Jana Rečková Hroudová, Ph.D.**

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

Habilitation procedure in the field of: **medical pharmacology**

Scientific Board First Faculty of Medicine of Charles University on: 25 Sep 2018

Title of the lecture: Mitochondrial functions in neuropsychopharmacology

*Appointed with the effect from 1 Dec 2018*

**Ing. Hana Tomášková, Ph.D.**

Institute of Epidemiology and Public Health Protection of the Medical Faculty, University of Ostrava

Habilitation procedure in the field of: **hygiene and epidemiology**

Scientific Board First Faculty of Medicine of Charles University on: 25 Sep 2018

Title of the lecture: Carcinogenous hazard in miners in black coal mines in the Czech Republic

*Appointed with the effect from 1 Dec 2018*

**MUDr. Richard Salzman, Ph.D.**

Department of Otorhinolaryngology of the Medical Faculty of Palacký University and the Teaching Hospital Olomouc

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

Scientific Board First Faculty of Medicine of Charles University on: 25 Sep 2018

Title of the lecture: Selected prognostic and predictive oncological markers of head and neck tumours

*Appointed with the effect from 1 Dec 2018*

**MUDr. Kristýna Němejcová, Ph.D.**

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

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

Scientific Board First Faculty of Medicine of Charles University on: 30 Oct 2018

Title of the lecture: Importance of modern diagnostic methods in gynaecopathology

*Appointed with the effect from 1 Jan 2019*

**MUDr. Ondřej Petrák, 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 First Faculty of Medicine of Charles University on: 27 Nov 2018

Title of the lecture: Pheochromocytoma – metabolic and cardiovascular aspects

*Appointed with the effect from 1 Jan 2019*

**MUDr. Josef Včelák, Ph.D.**

Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague

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

Scientific Board First Faculty of Medicine of Charles University on: 27 Nov 2018

Title of the lecture: Surgical treatment for osteoporotic fractures of the vertebral column

*Appointed with the effect from 1 Feb 2019*

**MUDr. RNDr. Ondřej Bradáč, Ph.D.**

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

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

Scientific Board First Faculty of Medicine of Charles University on: 11 Dec 2018

Title of the lecture: Use of frameless stereotactic methods in treatment of intrinsic brain tumours

*Appointed with the effect from 1 Feb 2019*

**MUDr. Petr Bušek, Ph.D.**

Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University; 4<sup>th</sup> Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague

Habilitation procedure in the field of: **medical chemistry and biochemistry**

Scientific Board First Faculty of Medicine of Charles University on: 11 Dec 2018

Title of the lecture: Multifunctional proteases dipeptidyl peptidase-IV and fibroblast activation protein as possible pathogenetic factors, biomarkers and therapeutic targets in cancer

*Appointed with the effect from 1 Feb 2019*



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

Specialty:	Right to perform habilitation procedures:	Right to perform procedures to appoint professors:
Anatomy, histology and embryology	until 1 Nov 2019	until 1 Nov 2019
Anaesthesiology and resuscitation	until 1 Sep 2019	---
Dermatovenereology	until 31 Jan 2020	until 31 Jan 2020
History of medicine	until 31 July 2022	until 31 July 2022
Obstetrics and gynaecology	until 31 Dec 2023	until 31 Dec 2023
Hygiene and epidemiology	until 1 Nov 2019	until 1 Nov 2019
Surgery	until 1 Nov 2023	until 1 Nov 2023
Infectious diseases	until 31 Dec 2023	until 31 Dec 2023
Cardiosurgery	until 31 May 2022	until 31 May 2022
Clinical biochemistry	until 1 Nov 2019	until 1 Nov 2019
Medical biophysics	until 31 Dec 2023	until 31 Dec 2023
Medical biology and genetics	until 1 Nov 2019	until 1 Nov 2019
Medical chemistry and biochemistry	until 31 Dec 2023	until 31 Dec 2023
Medical pharmacology	until 1 Nov 2019	until 1 Nov 2019
Medical physiology	until 31 Dec 2023	until 31 Dec 2023
Medical immunology	until 1 Nov 2019	until 1 Nov 2019
Medical informatics	until 1 Nov 2019	until 1 Nov 2019
Medical microbiology	until 1 Nov 2019	until 1 Nov 2019
Medical psychology	until 1 Nov 2019	until 1 Nov 2019
Neurosurgery	until 30 Nov 2019	until 30 Nov 2019
Neurology	until 31 Dec 2023	until 31 Dec 2023
Nuclear medicine	until 1 Sep 2019	until 1 Sep 2019
Ophthalmology	until 1 Nov 2023	until 1 Nov 2023
Oncology	until 1 Nov 2019	until 1 Nov 2019
Orthopaedics	until 31 Dec 2023	until 31 Dec 2023
Otorhinolaryngology	until 1 Nov 2019	until 1 Nov 2019
Pathological physiology	until 1 Nov 2019	until 1 Nov 2019
Pathology	until 31 Jan 2020	until 31 Dec 2023
Paediatrics	until 1 Nov 2019	until 1 Nov 2019
Occupational medicine	until 31 Dec 2023	until 31 Dec 2023
Psychiatry	until 1 Nov 2019	until 1 Nov 2019
Radiology	until 31 Dec 2023	until 31 Dec 2023
Rehabilitation medicine	until 1 Sep 2019	---
Sexology	until 31 Jan 2020	until 31 Jan 2020
Forensic medicine	until 1 Nov 2019	until 1 Nov 2019
Stomatology	until 31 Jan 2020	until 31 Dec 2023
Urology	until 1 Nov 2023	until 1 Nov 2023
Internal medicine	until 1 Nov 2023	until 1 Nov 2023



## EDUCATION

At present, the First Faculty of Medicine of Charles University provides university education in the following scope of fields and programmes:

- Master studies in programmes of General Medicine and in Dentistry;
- Bachelor studies in the study programme Specialization in Health in the fields of addictology; physiotherapy; occupational therapy; nutritional therapy; Bachelor studies in the study programme Midwifery in the field of midwifery;
- Follow-up Master studies in the study programme Specialization in Health in the fields of addictology; intensive care; occupational therapy; specialist nutritional therapy.

The programmes of addictology, nutritional therapy, specialist nutritional therapy and intensive care can be studied in the combined form of studies too.

In the fields of general medicine and dentistry, the tuition is performed not only in Czech but in English language as well. This is provided, above all, for paying international students.

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 years of studies but at the same time has the option of choice from a list of 405 facultative subjects, 76 of which are taught in English language.

### ENTRANCE PROCEDURES AND CO-OPERATION WITH PROSPECTIVE STUDENTS

New students of General Medicine for the academic year 2018-2019 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 mathematics in the full scope throughout the secondary studies, and beyond that, with the marks "excellent" or "very good". Some of the students were admitted to the programmes of General Medicine and Dental Medicine on the basis of excellent study results of their secondary education, without doing the entrance tests.

There were 3,236 applications for the entrance procedure for the studies of general medicine and dentistry, and 1,792 applications for other Master programmes and Bachelor programmes.

Without the entrance tests, 319 applicants were admitted to study general medicine (those with average secondary school marks at 1.09 or below). 60 applicants to study dental medicine (with average secondary school marks at 1.00) and 5 applicants for bachelor studies in physiotherapy as well.

The entrance tests for bachelor degrees and follow-up masters were only done in biology, or possibly in the knowledge of subjects of the previous bachelor degree studies. Only for the bachelor programme of addictology a special test was added to assess the applicants' interest in the field.

Within the term provided by law, the Faculty received 101 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 6th February 2018, the traditional Open Day took place at the Faculty. The Faculty also took part in the University's Info Day in November and presented its study programmes at the Gaudeamus education fair as well as the Fair of Prague Schools of Public Higher Education.

#### Survey of the number of applicants and their results

Academic year	Branch of study	Number of applicants	Number of those examined	Enrolled out of the admitted	Limit for admission (points)	Maximum score	Limit rate in the test	Number of appeals	Appeals out of those examined (per cent)	Appeals out of those not admitted (per cent)
2010/2011	general medicine	2447	1646	539	151	300	50,33	139	8,44	23,64
	dental medicine	987	742	78	230	300	76,66	62	8,36	9,60
	total	3434	2388	617				201	8,42	16,30
2011/2012	general medicine	2694	1841	649	151	300	50,33	166	9,02	22,72
	dental medicine	1124	893	72	253	300	84,33	62	6,94	7,55
	total	3818	2734	721				228	8,34	14,95
2012/2013	general medicine	3145	2403	488	183	300	61	131	5,45	6,84
	dental medicine	1312	1013	79	268	300	89,30	69	6,81	7,36
	total	4457	3416	567				200	5,85	7,02
2013/2014	general medicine	3273	2438	559	199	300	66,33	143	5,86	7,61
	dental medicine	1115	915	64	287	300	95,66	57	6,23	6,70
	total	4388	3353	623				200	5,96	7,33
2014/2015	general medicine	3580	2470	469	210	300	70	89	3,60	4,46
	dental medicine	1134	851	55	287	300	95,66	36	4,23	4,44
	total	4714	3321	524				125	3,76	4,45
2015/2016	general medicine	3555	2461	416	193	310	62,26	125	5,08	6,20
	dental medicine	1129	849	43	246	310	79,35	35	4,12	4,26
	total	4684	3310	459				160	4,83	5,64
2016/2017	general medicine	3290	2005	440	166	310	53,55	114	5,69	7,26
	dental medicine	972	664	44	223	310	71,94	15	2,26	2,65
	total	4262	2669	484				129	4,83	5,20
2017/2018	general medicine	3143	2446	370	180	320	56,25	70	2,86	4,51
	dental medicine	943	759	46	244	310	78,71	17	2,24	2,50
	total	4086	3205	416				87	2,71	3,90
2018/2019	general medicine	2560	1748	459	157	320	49,06	67	3,83	7,43
	dental medicine	676	482	50	258	310	83,23	11	2,28	2,71
	total	3236	2230	509				78	3,50	5,96

## 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 field but at the same time continuously evaluated in terms of content matter as well as structure so that they can reflect the development of science and the teachers and students' views. In 2018, preparations for a new accreditation were launched.

Apart from compulsory subjects, students have to register for some optional subjects too, so that they can collect the normal number of credit points. Optional subjects are regularly analysed by the Dean's Board and continuously adjusted, new ones are introduced or vice versa some subject are deleted from the offer, either if repeatedly not attended or to the proposal of their principal teacher. Passing the optional subjects is determined by meeting some specific requirements in the theoretical and practical sphere. At the time the Faculty offers 406 optional subjects, 260 of which are meant for students of general medicine in Czech language, and the number of the students registered is 1,689.



Assoc. Prof. MUDr. Martin Vokurka, CSc.  
Vice-Dean for Students' Affairs  
and Theoretical and Pre-Clinical Education

## THEORETICAL AND PRE-CLINICAL STUDIES

Theoretical and pre-clinical studies take place in the first three years of studies. In the theoretical part, students learn about the basic medical terminology, composition of the human body (anatomy, histology) and its function (physiology), biophysical, biochemical and biological processes, both at the level of the whole body and at the cellular and subcellular level. They are trained in basic first aid and nursing, and during the summer vacations after the second year of studies they pass the clinical placement in basic patient care. In the third year, they learn about the basics of aetiology and development of pathologic processes (pathology, pathophysiology, pathobiochemistry, microbiology, introduction to immunology), and at the same time about the basics of clinical study (medical and surgical propaedeutics, first part of pharmacology).

The **Institute of Anatomy** established audiovisual links between dissection rooms and the great lecture hall. The study materials will be enriched by the prominent monograph *Lymphology* by Prof. O. Eliška (published at Galén, Praha, 2018).

**Biocev** launched the new elective subject *Biomedicine and biotechnology* in the summer semester of the academic year 2017-2018, and its staff members also collaborate with the Institute of Anatomy in teaching the elective *New ways in morphological research*.

The **Institute of Pharmacology** has carried on innovation of lectures of e-learning for medical students. The first stage of development of the e-learning programme for tuition of pharmacokinetics and monitoring of levels of medications (TDM) was finished.

The **Institute of Physiology** is the co-organizer of courses for Faculty's clinical units at the Centre of Medical Simulations (artificial lung ventilation, acute cardiac failure). The Institute established co-operation with the Institute of Physiology at the Faculty of Medicine in Plzeň, and representatives of that institution came to explore the simulation training. Renovation of our Institute started.

The **Department of Radiodiagnostics** started teaching the compulsory subject *Propaedeutics of imaging techniques*, which had been experimentally taught as an optional subject for two years. It is a fully e-learning subject with a test implemented in the ROGO system.

The **Institute of Biophysics and Informatics** continues co-ordination of the OPVVV project *Equipment for innovation of tuition in biophysics at medical faculties of Charles University*, which started in 2017. For all medical faculties of Charles University, a common portal is being prepared for E-biophysics, with student access to learning materials, manuals, videos and protocols for practical classes. Upgrading of informatics classrooms at the Institute is in course, and Office365 cloud technologies were



introduced for teaching. The staff also take part in education of students of the Czech Technical University, and the Institute organizes study placements for the staff within specialization training in the field Clinical Engineering.

At the **Institute of Histology and Embryology**, two seminar rooms were renovated for the purposes of practical training and autonomous study of preparations, and a pilot project of the optional subject *Rationality in medicine*.

The Institute of **Medical Biochemistry and Laboratory Diagnostics** developed new teaching aids for the subject *Sampling techniques* designed for students of various study programmes, including General medicine.

At the **Institute of Pathology**, a project is in course called *Improvement of quality of education at Charles University and its relevance to the needs of the labour market* (CZ. 02. 2. 69/0. 0/0. 0/16\_015/0002362) and aimed at support of e-learning and updating of learning materials.

The **Institute of Nursing Theory and Practice** continued extending the scope of topics for simulation training in the subjects First aid and *Nursing procedures* for students of medicine as well as non-medical fields, and completed the set of teaching aids for practical training in the special classroom.



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

## CLINICAL TEACHING

In the academic year 2018-2019, clinical teaching at the First Faculty of Medicine of Charles University was developed with a special focus on the use of simulators in the training, stressed in tuition of propaedeutic were inputs from paediatrics, frame topics for the State Final Examination were set, periodical update of procedures in the logbook was done, the scope of extracurricular tuition was widened, and the new subject *Cardiovascular medicine* was introduced.

The **Institute of Anatomy** participates in clinical teaching indirectly, through shared courses of *Clinical topographic anatomy* for the 4<sup>th</sup> year students and *Clinical orofacial anatomy*. The lectures are displayed at the educational portal of the Faculty, at the web pages of the Institute, and at the portal [terminologia-anatomica.org](http://terminologia-anatomica.org). Therefore, they allow for a full access from the internet.

The **Institute of Medical Biochemistry and Laboratory Diagnostics** issued new learning aids for the subject *Sampling techniques* and got accredited the course *Specialist health laboratory methods*.

The **Department of Dermatovenereology** launched the cycle of lectures *Skin diseases in childhood* for 6<sup>th</sup> year students within tuition of paediatrics at the Department of Paediatrics and Adolescent Medicine.

The **Institute of Pharmacology** continues innovation of lectures for e-learning for medical students. The first stage of development of the e-learning programme for tuition of pharmacokinetics and TDM – PK EDU was completed.

Within clinical placements in geriatrics, the **Department of Geriatrics** offers all students in both Czech and English parallels several clinical procedures to perform and record in their logbook: assessment of an elderly patient's cognitive functions, assessment of an elderly patient's self-sufficiency and assessment of an elderly patient's nutritional status. From the academic year 2018-2019, tuition of the subject *Geriatrics* was shifted into the 5<sup>th</sup> year of studies, i.e. later, when the students have gained some knowledge of pharmacology and partly basic general medicine.

At the **1<sup>st</sup> Department of Medicine – Department of Haematology**, the SW Ministr interactive polling system was installed in the lecture hall for the purpose of teaching of haematology.

At the **2<sup>nd</sup> Department of Surgery – Department of Cardiovascular Surgery**, tuition of the new subject *Cardiovascular medicine* was launched in co-operation with other clinical departments of the Cardiocentre of the General University Hospital (2<sup>nd</sup> Department of Medicine and 3<sup>rd</sup> Department of Medicine). The objective is interconnection in the tuition of cardiology with cardiosurgery and angiology with vascular surgery. In the 4<sup>th</sup> year of studies, in the one-week surgical block training, when cardiosurgery used to be taught, they now teach cardiovascular propaedeutics and the tuition takes place at the 2<sup>nd</sup> Department of Surgery, 2<sup>nd</sup> Department of Medicine and 3<sup>rd</sup> Department of Medicine. In the 5<sup>th</sup> year, cardiology,

angiology, cardiosurgery and vascular surgery are taught in block placements to small groups at all clinical departments of the Cardiocentre, at the simulation centre as well as at the satellite departments of the Institute of Clinical and Experimental Surgery, an in the Na Homolce Hospital. The newly installed interactive device allows to insert drawings into presentations, to show videos of operations and – bringing the video to a halt – to demonstrate the surgical procedure with outlines of operation lines, and a fair number of ECG and x-ray investigations can be shown as well. Using the QR code, the device can be interconnected with a mobile phone and use it for teaching or testing the students' knowledge, for example by the Kahoot programme.

At the **3<sup>rd</sup> Department of Medicine**, an electronic credits test was used, first within the First Faculty of Medicine, concluding the education in endocrinology and metabolism. This was done in Moodle, on the students' own mobile phones. Further, electronic checking of the students' attendance was introduced, new cloakrooms for students furnished, and the library was totally revitalized to meet the needs of tuition (which means furniture as well as technology). The Department obtained new teaching aids, such as artificial arms for training in venepuncture, chest model Chester, simulator AmbuMan Advanced, interactive model of the thyroid gland, body functions analyser Tanita, etc.

At the premises of the simulation centre at the **Department of Anaesthesiology and Intensive Care in the Military University Hospital**, students can train life-saving procedures and some invasive interventions.

The **Department of Paediatrics and Adolescent Medicine** at the General University Hospital completely renovated the lecture hall at Karlov. New course credit tests in paediatrics were compiled here, containing 50 topics with 10 questions in each, and with multiple-choice answers. The tuition of paediatrics within the subject *Clinical propaedeutics* for the 3<sup>rd</sup> year students in the master programme of General medicine was extended. New sets of questions were compiled for the State Final Examination in paediatrics.

The **Department of Infectious and Tropical Diseases at the Na Bulovce Hospital** participated in teaching in the Integrated pre-clinical block in co-operation with the **Department of Infectious Diseases at the Military University Hospital**.

The **Department of Nephrology** prepared a new e-learning educative course within the programme REMAP (ERASMUS+ project).

The credit point system of the **Department of Otorhinolaryngology, Head and Neck Surgery at the University Hospital Motol** provides students with a wide offer of the facultative programme where they can participate in the everyday operation of the clinical department through "shadowing".

The **Department of Orthopaedics at the Military University Hospital** offers students with extracurricular training in the form of visits to operating theatres and clinics of the Department.

At the **Department of Respiratory Medicine at Thomayer Hospital** in Krč, teaching of pneumology was now placed in the 4<sup>th</sup> year of studies. Actually, the Department is responsible for the whole programme of undergraduate training in pneumology from the 4<sup>th</sup> up to the 6<sup>th</sup> year. As a novelty, simulators for training of thoracic drainage and bronchoscopy are used. In the tuition, the department also collaborates with the Department of Thoracic Surgery of Thomayer Hospital.

The **Department of Radiodiagnostics** newly introduced, now as a compulsory subject, the *Propaedeutics of imaging techniques* in the form of e-learning. The subject is completed with a test in the ROGO system.

The **Department of Rheumatology** published a new extended edition of their textbook of Rheumatology (at Maxdorf publishing house).

The **Institute of Biophysics and Informatics** co-ordinates the OP VVV project called *Equipment for innovation of tuition in biophysics at medical faculties of Charles University*, or "e-Biophysics" for short. The project extends the studies across all medical faculties by innovation of tuition through purchase of new equipment for demonstration of the use of principles of physics in medicine, employing telemedicine. It means aids based on modern ICT solutions complemented with the mobile form of e-learning, which can better communicate the necessary knowledge to students and extends the students' knowledge of medical physics. The project was opened in July 2017, its solution will take the time until November 2021, and the total budget of the project amounts 43.7 million Czech crowns. A e-Biophysics portal common for all medical faculties of Charles University is in the pipeline, where students will be able to get the access to learning materials, manuals, videos and protocols for practical training tasks, whose contents and structure will see some radical changes from the next year on. Upgrading of informatics classrooms at the Institute is in progress too – specifically introduction of Office365 cloud technologies into tuition.

The **Institute of Nuclear Medicine** prepared introductory info for teaching nuclear medicine in both Czech and English parallel classes in the form of a video, with the access from the Institute's education portal [www.unm.lf1.cuni.cz](http://www.unm.lf1.cuni.cz) (Education). The educational materials at the web pages are continuously updated, and interactive tuition is deepened by means of the upgraded polling device and interactive case study seminars and synoptic seminars. Students in both the Czech and English parallel also received access to learning and training materials of the European Association of Nuclear Medicine through [www.unm.lf1.cuni.cz](http://www.unm.lf1.cuni.cz). The **Institute of Pathology** finished renovation of the dissection rooms.

The **Institute of Sports Medicine** created a software application for modelling of somatotypes (the most accurate method to establish the body constitution and morphologic and functional making for various sports). This application is available to all undergraduate students both in Czech and English within the elective core subject *Complex nutrition in sportsmen (and non-sportsmen) and sports performance*.

The **Institute of Hygiene and Epidemiology** published the 2<sup>nd</sup> amended edition of the textbook *Hygiene and epidemiology* (at the Karolinum publishing house)



## 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	334	229	215	212	220	291	8	1509
General medicine in English language (paying students)	1	-	-	4	1	1	-	7
Dentistry	39	41	32	43	44	-	-	199
Dentistry in English language (paying students)	-	-	-	-	2	-	-	2
Nursing – full-time	-	-	-	-	-	-	-	0
Nursing – combined	4	6	16	-	-	-	-	26
Midwifery	19	17	8	-	-	-	-	44
Addictology – full-time	30	22	26	-	-	-	-	78
Addictology – combined	36	21	28	-	-	-	-	85
Occupational therapy	21	17	19	-	-	-	-	57
Physiotherapy	23	24	28	-	-	-	-	75
Nutritional therapy – full-time	25	19	18	-	-	-	-	62
Nutritional therapy – combined	31	30	20	-	-	-	-	81
Master – Occupational therapy – full-time	14	24	-	-	-	-	-	38
Master – Intensive care – combined	36	65	-	-	-	-	-	101
Master – Nutritional therapy – full-time	16	18	-	-	-	-	-	34
Master – Nutritional therapy – combined	28	38	-	-	-	-	-	66
Master – Addictology – full-time	12	25	-	-	-	-	-	37
Master – Addictology – combined	33	42	-	-	-	-	-	75
<b>Total</b>	<b>702</b>	<b>638</b>	<b>410</b>	<b>259</b>	<b>267</b>	<b>292</b>	<b>8</b>	<b>2576</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	97	71	79	79	70	104	4	504
General medicine in English language (paying students)	138	148	127	114	102	102	-	731
Dentistry	4	9	9	6	11	-	-	39
Dentistry in English language (paying students)	23	22	12	13	10	-	-	80
Nursing – full-time	-	-	-	-	-	-	-	-
Nursing – combined	-	-	1	-	-	-	-	1
Midwifery	3	3	-	-	-	-	-	6
Addictology – full-time	1	2	-	-	-	-	-	3
Addictology – combined	1	3	1	-	-	-	-	5
Occupational therapy			3	-	-	-	-	3
Physiotherapy	2	2	5	-	-	-	-	9
Nutritional therapy – full-time	2	2	1	-	-	-	-	5
Nutritional therapy – combined	3	3	1	-	-	-	-	7
Master – Occupational therapy	1		-	-	-	-	-	1
Master – Intensive care – combined	5	3	-	-	-	-	-	8
Master – Nutritional therapy – full-time	3	1	-	-	-	-	-	4
Master – Nutritional therapy – combined	-	4	-		-	-	-	4
Master – Addictology – full-time	-	-	-	-	-	-	-	-
Master – Addictology – combined	1	-	-	-	-	-	-	1
<b>Total</b>	<b>284</b>	<b>273</b>	<b>239</b>	<b>212</b>	<b>193</b>	<b>206</b>	<b>4</b>	<b>1411</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	Czech	international
General medicine	315	91
General medicine in English language (paying students)	1	115
Dentistry	42	4
Dentistry in English language (paying students)	-	16
Nursing – full-time	-	-
Nursing – combined	-	-
Midwifery	17	3
Addictology – full-time	28	1
Addictology – combined	30	1
Occupational therapy	20	-
Physiotherapy	23	2
Nutritional therapy – full-time	22	-
Nutritional therapy – combined	29	2
Master – Occupational therapy – full-time	9	1
Master – Intensive care – combined	35	4
Master – Nutritional therapy – full-time	15	3
Master – Nutritional therapy – combined	26	-
Master – Addictology – full-time	10	-
Master – Addictology – combined	26	1
<b>Total</b>	<b>648</b>	<b>244</b>

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

Number of Czech students / Number of international students	2010	2011	2012	2013	2014	2015	2016	2017	2018
General medicine	1661/606	1877/655	1780/588	1878/648	1839/682	1779/614	1717/613	1584/534	1509/504
General medicine in English language (paying students)	550	613	606	667	597	8/589	8/670	6/687	7/731
Dentistry	293/37	334/47	358/55	345/58	314/54	280/54	234/56	206/49	199/39
Dentistry in English language (paying students)	90	98	110	102	81	3/82	3/75	2/79	2/80
Nursing – full-time	53/9	53/8	46/5	47/2	25/1	22/7	14/3	9/2	-/-
Nursing – combined	119/5	138/9	131/8	115/9	99/7	98/5	78/2	55/2	26/1
Midwifery	-	-	-	-	-	28/-	35/1	48/3	44/6
Addictology – full-time	88/3	81/7	75/3	68/3	71/2	76/3	72/2	68/3	78/3
Addictology – combined	112/9	119/4	107/7	98/7	88/6	82/4	80/5	84/6	85/5
Occupational therapy	58/4	53/2	54/-	55/-	38/-	45/2	39/4	60/5	57/3
Physiotherapy	81/25	79/8	79/5	80/8	86/9	86/13	70/13	79/11	75/9
Nutritional therapy – full-time	44/8	54	59/-	65/2	71/5	62/8	51/6	56/9	62/5
Nutritional therapy – combined	-	-	44/1	72/1	103/4	93/5	93/12	86/8	81/7
Master – Occupational therapy – full-time	-	-	-	-	19/-	36/-	34/-	46/-	38/1
Master – Intensive care – combined	-	-	-	-	28/2	56/2	72/3	92/5	101/8
Master – Nutritional therapy – full-time	-	-	-	-	-	13/-	28/1	35/1	34/4
Master – Nutritional therapy – combined	-	-	-	-	-	30/1	54/1	65/4	66/4

Number of Czech students / Number of international students	2010	2011	2012	2013	2014	2015	2016	2017	2018
Master – Addictology – full-time	27/0	54/1	57/3	57/4	56/6	52/3	52/2	40/-	37/-
Master – Addictology – combined	-	-	19/-	31/1	44/1	67/3	75/3	81/-	75/1
<b>TOTAL number of students</b>	<b>3882</b>	<b>4294</b>	<b>4200</b>	<b>4423</b>	<b>4338</b>	<b>4311</b>	<b>4281</b>	<b>4110</b>	<b>3987</b>



#### STUDIES IN DENTISTRY

Last year, 2018, was a certain breakthrough in tuition of dentistry (or dental medicine) at the First Faculty of Medicine of Charles University. We completed the accreditation procedure for the programmes in accordance with the new conditions for accreditation. These, regrettably, were constantly changed by the National Accreditation Office throughout the process but anyway the work was eventually a success. Of course we owe many thanks to the principals of other programmes who collaborated with us considerably. We employed this new accreditation to adjust the concept of the whole field. The basic change was drawing most theoretical subjects closer to the Masters programme of general medicine again. There were two basic motives that made us do that. One of them was increasing the efficiency of tuition so that no separate tuition for dental students will be needed in theoretical fields.

The other of our intentions is restoration of traditional education in dental medicine at the First Faculty of Medicine of Charles University which, once abandoned under the pressure of negotiation for admission to the European Union, as all educational programmes in dentistry in the Czech Republic had undergone an enforced unification, has otherwise have always been closely connected with education in general medicine. So our graduates will again enter their practical career as well-educated professionals with a good command of therapeutic and diagnostic procedures of dental medicine but also with and adequately solid background of theoretical knowledge. This will allow them to be better dentists at the time when our population grows older and its comorbidities and the subsequent multiple drug administration have considerable influence upon dental care as well.

Further, for the purposes of intensification of tuition and increasing the number of practical procedures to be performed by students, and for thorough analysis of the possible impact, we decided for concentration of practical training in all fields of dentistry in the last two years of study, both in the Czech and English programmes of education. We expect that this step will release teaching capacity to allow for extension of practical tuition in the lower years of study as well, and also remove the border – although rather virtual than real – between the two main branches of education at the Faculty.

Beyond regular tuition, the Department of Stomatology established the international course Temporomandibular joint surgery, held already for the third time last year. Besides the 12<sup>th</sup> Research Work Day it was the most important event spreading the awareness of quality of science at our Department.

#### EDUCATION IN NON-MEDICAL HEALTH CARE FIELDS

In 2018, the process of stabilization of tuition for non-medical health care fields at the First Faculty of Medicine of Charles University was completed, which is also connected with evaluation of scientific output of the respective fields at the Faculty. In view of the scope of the fields that will be offered and taught in future, the last change was the closure of undergraduate education of nurses.

The problems connected with university education in nursing in general, therefore, influenced the development of the respective programme at the Faculty. Considering the relatively small interest in studying in these programmes and marked confusion concerning the concepts within this whole segment, widely discussed in health services, we decided to abandon all

programmes of nursing at the undergraduate level. Also the full-time programmes of follow-up Masters studies in addictology and nutritional therapy were reduced due to long-standing small interest in this form of study.

In the overall view, the general model of studies in addictology in Czech language at all three levels – bachelors, masters and doctors (Ph.D.) – and nutritional therapy is about to achieve the same complex model. The Faculty is going to keep these two fields at all the three levels and strengthen the academic aspect of their activities as well, including international co-operation, science and research interconnected with other fields of medicine. At the same time, the Faculty is going to strive to keep the exclusive and traditional fields, such as midwifery or occupational therapy and physiotherapy. One substantial part of comprehension of these fields, nevertheless, will be their quality both in clinical training and scientific research. The Faculty management put much more emphasis on this sphere than it used to, and during the year 2018 it was just in these fields where an extensive evaluation of scientific and research activities was completed. This evaluation unveiled some interesting facts showing that in most fields the interconnection and integration with other fields of medicine could be achieved with great success, and that most of our organization units were taking the right steps to this effect. Recently, some of the fields can bear comparison with medical fields in terms of production, and in the intra-faculty evaluation they reach good results. In the fields with low production, possible conceptual changes will be discussed so that adequate changes can be reached in intermediate future too.

Another thing that was done with success in 2018 was the further stages of re-accreditations of particular fields, and the intention to create a master programme of addictology in English passed an important part of the way towards implementation as the project of the programme was submitted to the Academic Senate and Scientific Board by the end of the year.



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



*prof. MUDr. David Sedmera, Ph.D., DSc.  
Vice-Dean for International Students*

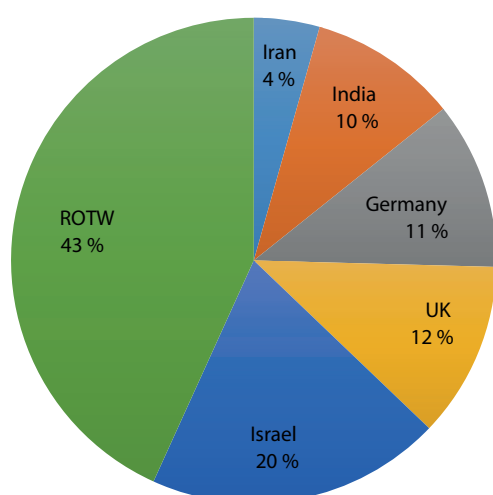
#### **PAYING INTERNATIONAL STUDENTS**

In 2018, the upward trend in the number of candidates for studies in English language continued, with the total number of more than 1,700 applications (1,331 for general medicine and 400 for dentistry). This constant trend of growing interest in the

studies at the Faculty was also reflected in the moderately growing quality of students in English-taught parallel classes due to more demanding selection. In spite of the stable numbers of the applicants admitted, only 116 students enrolled for the first year of studies in the programme of General medicine in the academic year 2018-2019, and another 16 in the programme of Dental medicine, which was due to problems with early arrangement of student visas.

Tuition in English language is important for inter-university exchange programmes as well which is manifested in the growing number of international students coming to our Faculty under the programmes of IFMSA and Erasmus. The reason is that tuition in English enables them to take a part of their studies at our Faculty, which – in turn – contributes to the prestige of the First Faculty of Medicine abroad and also increases the number of students in Czech (and also English parallel) classes who can travel abroad within the programmes of international exchange and experience some part of their studies at one of the participating foreign medical schools. Also the interest of our international students in taking part of their clinical training in their home countries (particularly in Israel, Germany, Scandinavian countries and USA) keeps increasing, as it makes finding a job after graduation easier for them. Thanks to bilateral agreements with teaching hospitals abroad we were able to meet the needs of many students. A new feature is the bilateral agreement made with the Okayama University in Japan.

The scope of the most important countries where our international students in come from to English parallel classes is visualised in the enclosed chart. Generally, the most numerous group are the students from Israel (20%), followed by two European countries – Great Britain (12%) and Germany (11%) – and then India with 10%. The “big five” is then completed by Iran with 4%. Nevertheless, students from the other 65 countries make up as much as 43%. By and large, it is European countries where most students come from, and their number has grown considerably thanks to the long-standing effort to draw more attention to the Faculty in the EU countries, but above all thanks to admission of the Czech Republic in the European Union in 2004, which meant automatic recognition of our diplomas as well. In case of USA, a major incentive is the continuously kept accreditation of the Faculty for the government schemes (Direct Loans), and like in Israel, the possibility to take the USMLE exams as well. It is interesting to watch how the trends are changing in time. While in the numbers of graduates Norway and Malaysia entered the “top five” (the latter thanks to the expiring programme of government scholarships), in the first year of studies it is students from India that rose as the new most numerous group.



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

In April 2018, the First Faculty of Medicine continued the long-established tradition of visits organized for potential students and their parents, within the Open Days of English-taught study programmes. Another event for those admitted was the extra Open Day, which allowed them to learn more about the Faculty in operation. It met an extraordinary response in students, many of whom have been admitted to more medical schools and this is a way that may help them to choose “the right one”.

The organization of international students, MEDSOC, which is in close contact with both Czech students’ activities and the Faculty management, takes an important part in the student and academic life at the Faculty. In 2018, this organization further developed its activities, including the academic sphere (assisting the newcomer students in their “acclimatization”) as well as in the sphere of charity, sport and recreational events. They organized a fair number of workshops on the scope of jobs available



for graduates, above all in Great Britain, and these events were much attended by students, including even those in the Czech parallel classes. Further, the website to concentrate all medical conferences held in English language in the Czech Republic is traditionally available. At the Faculty, MEDSOC has got a room in Faust House to use as an office and meeting venue. They also organize their own cultural, social and sports events, including the International Medical Students' Ball in spring and inter-faculty soccer tournament. Co-operation between the students' organization and the Department of Students' Affairs was intensified as well, which considerably enhances the quality of our presentations abroad through our alumni and facilitates the start of studies for the fresh first-year students, as more experienced colleagues come to their assistance as "student tutors" and help them to get oriented at the Faculty in the first days as well as throughout the academic year. The help them get oriented both to the system of studies at the Faculty and to the cultural differences between their home countries and the Czech Republic.

#### **ELECTRONIC SUPPORT OF TUITION**

The First Faculty of Medicine has been one of the leading institutions in the sphere of electronic support of education of doctors and other health care professionals. Every year we create a large number of electronic and audiovisual teaching materials. An extensive set of high quality videos is available for medical students and students of allied health fields at the Network Attached Storage called MedicalMedia (<http://www.MedicalMedia.eu>). This is a project launched and operated by the First Faculty of Medicine of Charles University but also used by other medical faculties. The storage possesses some unique functions that allow for keeping safe even clinically sensitive materials and opening the access to them to authorized users.

A large number of teaching materials are displayed at the website of WikiSkripta/WikiLectures ([www.wikiskripta.eu](http://www.wikiskripta.eu)), which nowadays is the most visited web to support undergraduate medical education in the Czech Republic. In addition, WikiSkripta attract talented students and promote their more active engagement in the process of education. This project increasingly becomes a model for similar projects at other university level schools.

The access to other electronic learning materials is via the learning portal of the Faculty (<http://portal.lf1.cuni.cz>), the user-friendly Adobe Connect (<https://el.lf1.cuni.cz>) or the LMS Moodle system (<https://moodle.cuni.cz>).

In the past few years, the support for electronic testing as well as methodology of reproducible, objective and fair evaluation of knowledge and skills has been growing. In this sphere, the Faculty is one of the leaders as well, participating in training of teachers of other universities in the Czech Republic and regularly preparing and publishing methodological guidelines.

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

In 2018, the Department of Specialty Training and Life-long Education organized a wide scope of courses, seminars, workshops and lectures in compulsory specialty training of physicians and dentists as well as life-long education of health care professionals, designated not only for doctors and dentists but also for non-medical health care and other professionals (such as addictologists, physiotherapists, occupational therapists, laboratory staff or educationalists).

#### **SPECIALTY TRAINING OF DOCTORS AND DENTISTS**

In 2018, within the rotation between medical schools in the country, compulsory specialty courses were provided in all of the specialties that are a prerequisite for completion of the core training or admission to the specialty attestation exam.

It is Prof. MUDr. Jan Škrha, DrSc., MBA, that is responsible for specialty training at the Faculty, together with expert supervisors of all 46 particular specialties and the staff of the Department of Specialty Training and Life-long Education, who provide all the clerical and organizing work. Prof. Škrha is the Faculty's representative in the Co-ordinating Council of all the eight medical schools in the Czech Republic.

The activities connected with specialty training mainly pertain to the admission procedure for the particular specialty, recognition of practical experience in another specialty, issue of certificates, and above all, organization and co-ordination of specialty attestation exams as well as compulsory pre-attestation courses and specializing courses, including care for the necessary accreditation of the courses by Ministry of Health of the Czech Republic. Since 1st July 2017, the amendment to the Act number 95/2004 Coll. has been in force, which brought a number of changes to the specialty training, but these, however, could not be implemented yet because of the absence of the respective by-laws to specify the technicalities. This, of course, considerably complicates specialty training, particularly for graduates of the First Faculty of Medicine.

Registration of doctors and dentists in specialty training is performed through the web application of the Ministry of Health (EZP). By 15th December 2018, the total number of more than 2,200 doctors and dentists were registered at our Faculty.

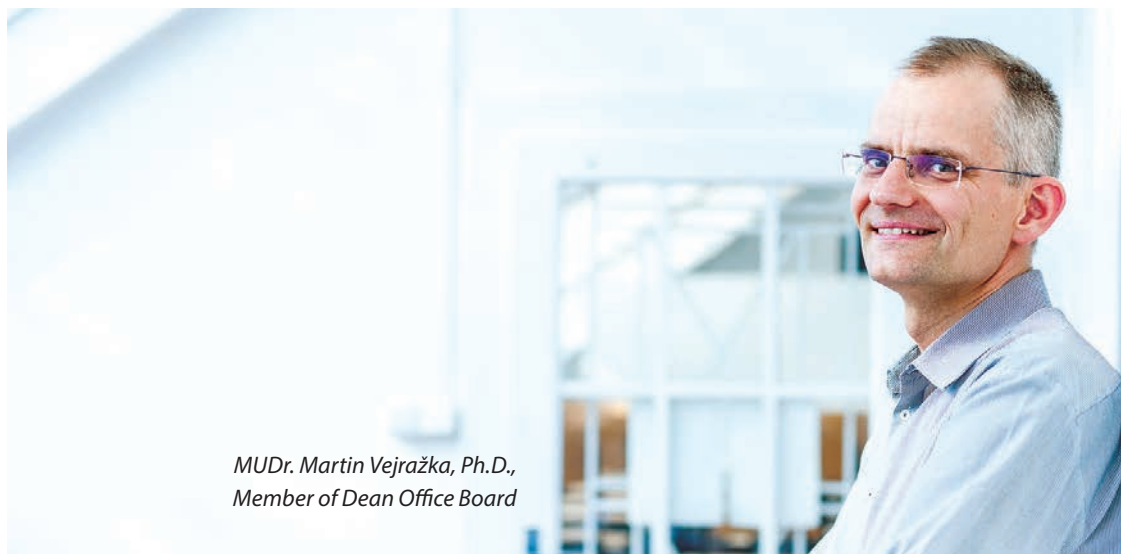
Compulsory courses always take place on the basis of inter-faculty rotation of all the medical faculties. Out of the total ca 180 courses prepared at all the schools, 29 courses (taking from 1 to 15 days) were implemented at the First Faculty of Medicine, and these were attended by 549 doctors and dentists. Despite the co-ordination of courses between the medical schools, organization of compulsory courses in the "small" specialties still presents a problem in the economic aspect.

Specialty attestation exams, too, were organized on the rotation basis in 12 various specialties. The total of 102 doctors enrolled for the oral and practical part of the specialty attestation exam, and 90 of them passed while 3 failed and the rest apologized. Most doctors passed the exams in the fields of surgery, infectious diseases, pneumology and phthisiology.



Survey of compulsory specializing courses and seminars of Life-long Education and specialty attestation exams on at the First Faculty of Medicine in 2018

	Specializing courses	Attestation exams
Number of events	29	12
Number of participants	549	93



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

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

In 2018, the total of 158 courses of life-long education were implemented, attended by 6,773 persons. These included 2,136 participants at 53 courses and seminars, including clinical seminars for doctors under the Act number 95/2004 Coll. and 7 events for non-medical professionals as well as 24 events common for physicians and allied professions, which were held at the departments and institutes of the First Faculty of Medicine. Then, 3 certified courses of Clinical adult neuropsychology are in progress, certified by the Ministry of Health of the Czech Republic, a course of professional training under the accreditation by the Ministry of Agriculture of the Czech Republic, and the tenth yearly course focused on development of teaching skills for teachers of the Faculty (with the total of 399 participants in all the ten years). Another 74 educational events for 4,637 physicians of various profiles were implemented in co-operation with commercial subjects.

Survey of courses and seminars of Life-long Education at the First Faculty of Medicine in 2018

	Courses & seminars for doctors	Life-long Education courses in co-operation with commercial subjects	Total
Number of events	84	74	158
Number of participants	2136	4637	6773

The Department of Specialty Training and Life-long Education offers up-to-date information about specialization and life-long education of doctors and dentists at the Faculty's website (<http://www.lf1.cuni.cz/specializacni-vzdelavani>) as well as through electronic, phone and face-to-face consultations. In April 2018, the Department of Specialty Training and Life-long Education also presented the offer of events in life-long education at the Life-long Education Day, organized by the Rector Office of Charles University.

The Department of Specialty Training and Life-long Education also prepares the documents needed for accreditation of educational programmes and courses by the Ministry of Health or the Ministry of Education, Youth and Sport, and administers the respective proofs and certificates for the participants (according to the Rules for Lifelong Learning of Charles University, Rector's Orders and Dean's Orders). Physicians obtain certificates including the credits gained under the Professional Guideline number 16 of the Czech Medical Chamber.

Prof. MUDr. Otomar Kittnar, CSc.  
Member of Dean Office Board

### THIRD-AGE UNIVERSITY AT THE FIRST FACULTY OF MEDICINE

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

In 2018, tuition for the 31<sup>st</sup> course of studies was successfully completed. The ceremony to close the 2<sup>nd</sup> year of studies and award the 29 certificates of the third-age university courses took place at the Karolinum on 7<sup>th</sup> June 2018. The 32<sup>nd</sup> course started with 67 new mature students.

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

A lecture about first aid with practical demonstrations was incorporated in the regular schedule, which met a great response from the students. In the past academic year, the lectures took place according to the syllabus, i.e. two lessons a week in each semester, for either year of studies. The programme in detail was published in the List of lectures of Charles University – the First Faculty of Medicine. The lecturers in all groups were Heads of the respective institutes and departments as well as other top specialists from these institutions. The tuition had excellent response among the students. In the 2<sup>nd</sup> year of studies, 42 students are enrolled at the time, and the venue is the lecture hall at the Institute of Scientific Information.

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

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

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

This tuition is professionally supported by particular units of the First Faculty of Medicine in co-operation with the Third-age University expert supervisor. In 2018, the cycle of lectures **Novelties of metabolism and nutrition** was presented to the students in the summer semester, which was prepared by the staff of the 3<sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague, while for the winter semester lectures in **Pharmacology and clinical pharmaceuticals** were ready, prepared by lecturers from the Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague.

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

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

## EVALUATION OF TUITION BY STUDENTS

Evaluation of tuition by the students was marked by some substantial changes in the academic year 2005-2006, as it was done electronically for the first time. In the following years this was repeated under the same conditions, and at the same time the previous year's results were analysed and compared. Since the academic year 2007-2008 the evaluation has been performed through the form of electronic data collection and processing within the Student Information System (SIS). In the academic year 2017-2018 the data collection was commenced in October 2017 and finished in October 2018. The Evaluation Board as well as the Dean's Office Board dealt with the evaluation several times.

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

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

### GENERAL EVALUATION OF THE 2017-2018 SURVEY

In the academic year 2017-2018, the number of students taking part in the evaluation was 708, which was – surprisingly – a lower number than in the year before, and the number of specific comments and expressions of students' views in general decreased too. General marking of the Faculty has stayed positive as before: the marks oscillate between 1.30 and 1.82, with the average mark for the Faculty at 1.50 (which is nearly the same as in the past few years). Marks given to evaluate particular institutes and clinical departments oscillate between ones and twos. Like a year ago, none of the marks was worse than 2.88 (with the exception of several cases where only one student responded), which can be looked upon as overall improvement.

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

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

## POSTGRADUATE DOCTORAL STUDIES

The First Faculty of Medicine of Charles University provides 21 doctoral study programmes in both Czech and English languages. Seventeen of them are implemented as doctoral study programmes in biomedical sciences (hereafter "PhD.

programmes in biomedicine”), which were founded in 1992 pursuant to the agreement of the three medical schools in Prague (the First, Second and Third Faculty of Medicine) and the Faculty of Natural Science of Charles University as well as the Academy of Sciences of the Czech Republic.

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

#### DOCTORAL STUDY PROGRAMMES IMPLEMENTED AT THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY AND THE CHAIRPERSONS OF THE RESPECTIVE FIELD BOARDS IN 2018

<b>Molecular and Cellular Biology, Genetics and Virology</b>	Prof. RNDr. Stanislav Zadražil, CSc., Faculty of Natural Science of Charles University (until 18 Dec 2018) Assoc. Prof. RNDr. Dana Holá, Ph.D., Faculty of Natural Science of Charles University (since 19 Dec 2018)
<b>Cell Biology and Pathology</b>	Prof. RNDr. Ivan Raška, DrSc., First Faculty of Medicine of Charles University
<b>Biomedical Informatics</b>	Prof. MUDr. Štěpán Svačina, DrSc., First Faculty of Medicine of Charles University
<b>Developmental and Cell Biology</b>	Assoc. Prof. RNDr. Petr Folk, CSc., Faculty of Natural Science of Charles University
<b>Biochemistry and Pathobiochemistry</b>	Prof. MUDr. Stanislav Štípek, DrSc., First Faculty of Medicine of Charles University
<b>Human Physiology and Pathophysiology</b>	Prof. MUDr. Jaroslav Pokorný, DrSc., First Faculty of Medicine of Charles University
<b>Immunology</b>	Prof. RNDr. Jan Černý, Ph.D., Faculty of Natural Science of Charles University
<b>Microbiology</b>	Assoc. Prof. RNDr. Ivo Konopásek, CSc., Faculty of Natural Science of Charles University
<b>Neurosciences</b>	Prof. MUDr. Karel Šonka, DrSc., First Faculty of Medicine of Charles University
<b>Pharmacology and Toxicology</b>	Prof. MUDr. Ondřej Slanař, Ph.D., First Faculty of Medicine of Charles University
<b>Medical Biophysics</b>	Prof. MUDr. et RNDr. Jiří Beneš, CSc., First Faculty of Medicine of Charles University
<b>Parasitology</b>	Prof. RNDr. Jan Votýpka, Ph.D., Faculty of Natural Science of Charles University
<b>Experimental Surgery</b>	Prof. MUDr. Jaroslav Živný, DrSc., First Faculty of Medicine of Charles University
<b>Preventive Medicine</b>	Assoc. Prof. MUDr. Alexander M. Čelko, CSc., Third Faculty of Medicine of Charles University
<b>Gerontology</b>	Prof. MUDr. Eva Topinková, CSc., First Faculty of Medicine of Charles University
<b>Psychology</b>	Prof. MUDr. Jiří Raboch, DrSc., First Faculty of Medicine of Charles University
<b>Bioethics</b>	Assoc. Prof. MUDr. PhDr. Jan Payne, Ph.D., First Faculty of Medicine of Charles University
<b>History of Medicine</b>	Assoc. Prof. Mgr. Karel Černý, Ph.D., First Faculty of Medicine of Charles University
<b>Imaging Techniques in Medicine</b>	Prof. MUDr. Jan Daneš, CSc., First Faculty of Medicine of Charles University (until 28 Feb 2018) Assoc. Prof. MUDr. Andrea Burgetová, Ph.D., MBA, First Faculty of Medicine of Charles University (since 1 Mar 2018)

**Specialization in health care – Addictology**

Prof. PhDr. Michal Miovský, Ph.D.,  
First Faculty of Medicine of Charles University  
Assoc. Prof. PaedDr. Karel Jelen, CSc.,  
Faculty of Physical Education and Sport  
of Charles University

**Biomechanics**

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. 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, including the time of validity of accreditation. For 2018, the following surveys are shown: (i) numbers of students at the Faculty units; (ii) doctoral exams passed; and (iii) 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 (2014 – 2018); and a chart to visualize the conditions for admission to doctoral study programmes.

**DOCTORAL STUDY PROGRAMMES ACCREDITED IN CZECH AND VALIDITY OF THE ACCREDITATION**

Biochemistry and Pathobiochemistry	28 Nov 2018
Cell Biology and Pathology	31 Dec 2020
Biomedical Informatics	31 Dec 2020
History of Medicine	31 Dec 2024
Experimental Surgery	31 Dec 2020
Pharmacology and Toxicology	31 Dec 2020
Human Physiology and Pathophysiology	31 Dec 2020
Gerontology	31 Dec 2020
Immunology	31 Dec 2020
Medical Biophysics	31 Dec 2020
Bioethics	31 Dec 2024
Microbiology	31 Dec 2020
Molecular and Cellular Biology, Genetics and Virology	31 Dec 2020
Neurosciences	31 Dec 2020
Parasitology	31 Dec 2020
Preventive Medicine	31 Dec 2020
Psychology	31 Dec 2020
Developmental and Cell Biology	31 Aug 2019
Imaging Methods in Medicine	31 Dec 2024
Specialization in Health Service – Addictology	31 Dec 2024
Biomechanics	01 Nov 2020

**DOCTORAL STUDY PROGRAMMES ACCREDITED IN ENGLISH AND VALIDITY OF THE ACCREDITATION**

Biochemistry and Pathobiochemistry	28 Nov 2018
Biomedical Informatics	31 Dec 2020
Cell Biology and Pathology	31 Dec 2020
Developmental and Cell Biology	31 Aug 2014
History of Medicine	31 Dec 2024
Experimental Surgery	31 Dec 2020
Gerontology	31 Dec 2020
Human Physiology and Pathophysiology	31 Dec 2020
Immunology	31 Dec 2020
Medical Biophysics	31 Dec 2020
Microbiology	30 Apr 2020

Molecular and Cellular Biology, Genetics and Virology	31 Dec 2020
Neurosciences	31 Dec 2020
Parasitology	30 Apr 2020
Pharmacology and Toxicology	31 Dec 2020
Preventive Medicine	31 Dec 2020
Psychology	31 Dec 2020
Imaging Methods in Medicine	31 Dec 2024
Bioethics	31 Dec 2024
Specialization in Health Service – Addictology	31 Dec 2024
Biomechanics	1 Nov 2020

Survey of the numbers of students in doctoral study programmes at units of the First Faculty of Medicine in 2018

unit	institution(s)	number of PhD. students at the unit			
		studying in 2018	studying in 2018		total studying in 2018
			quitted	graduated	
Institute of Anatomy	First Faculty of Medicine, Charles University	13	1	0	14
BIOCEV	First Faculty of Medicine, Charles University	20	1	3	24
Centre for Practical Applications Support and Spin-off Companies	First Faculty of Medicine, Charles University	3	0	0	3
Center for Advanced Preclinical Imaging	First Faculty of Medicine, Charles University	4	0	0	4
Institute of Physiology	First Faculty of Medicine, Charles University	8	1	1	10
Department of Rheumatology	First Faculty of Medicine, Charles University	11	1	3	15
Institute of Biophysics and Informatics	First Faculty of Medicine, Charles University	10	0	2	12
Institute of Biochemistry and Experimental Oncology	First Faculty of Medicine, Charles University	9	0	2	11
Institute for History of Medicine and Foreign Languages	First Faculty of Medicine, Charles University	11	1	1	13
Institute of Histology and Embryology	First Faculty of Medicine, Charles University	3	0	0	3
Institute for Medical Humanities	First Faculty of Medicine, Charles University	12	4	0	16
Institute of Pathological Physiology	First Faculty of Medicine, Charles University	36	3	4	43
Institute of Clinical and Experimental Hematology	First Faculty of Medicine, Charles University and Institute of Hematology and Blood Transfusion	9	1	0	10
Institute of Pharmacology	First Faculty of Medicine, Charles University and General University Hospital	12	1	1	14
Department of Phoniatrics	First Faculty of Medicine, Charles University and General University Hospital	0	1	0	1
Department of Geriatrics	First Faculty of Medicine, Charles University and General University Hospital	0	0	0	0



unit	institution(s)	number of PhD. students at the unit			
		studying in 2018	studying in 2018		total studying in 2018
			quitted	graduated	
Department of Obstetrics and Gynaecology	First Faculty of Medicine, Charles University and General University Hospital	18	7	2	27
1 <sup>st</sup> Department of Tuberculosis and Respiratory Diseases	First Faculty of Medicine, Charles University and General University Hospital	1	0	0	1
1 <sup>st</sup> Department of Surgery	First Faculty of Medicine, Charles University and General University Hospital	4	0	0	4
1 <sup>st</sup> Department of Medicine	First Faculty of Medicine, Charles University and General University Hospital	5	1	0	6
2 <sup>nd</sup> Department of Surgery	First Faculty of Medicine, Charles University and General University Hospital	10	2	0	12
2 <sup>nd</sup> Department of Medicine	First Faculty of Medicine, Charles University and General University Hospital	33	5	2	40
3 <sup>rd</sup> Department of Medicine	First Faculty of Medicine, Charles University and General University Hospital	28	0	0	28
4 <sup>th</sup> Department of Medicine	First Faculty of Medicine, Charles University and General University Hospital	12	2	0	14
Department of Addictology	First Faculty of Medicine, Charles University and General University Hospital	25	2	2	29
Department of Pediatrics and Adolescent Medicine	First Faculty of Medicine, Charles University and General University Hospital	40	3	2	45
Department of Nephrology	First Faculty of Medicine, Charles University and General University Hospital	9	4	0	13
Department of Occupational Medicine	First Faculty of Medicine, Charles University and General University Hospital	7	0	1	8
Department of Stomatology	First Faculty of Medicine, Charles University and General University Hospital	28	4	1	33
Department of Rehabilitation Medicine	First Faculty of Medicine, Charles University and General University Hospital	7	0	0	7

unit	institution(s)	number of PhD. students at the unit			
		studying in 2018	studying in 2018		total studying in 2018
			quitted	graduated	
Department of Neurology	First Faculty of Medicine, Charles University and General University Hospital	47	6	3	56
Department of Ophthalmology	First Faculty of Medicine, Charles University and General University Hospital	6	1	0	7
Department of Oncology	First Faculty of Medicine, Charles University and General University Hospital	5	0	1	6
Department of Psychiatry	First Faculty of Medicine, Charles University and General University Hospital	53	10	4	67
Department of Radiology	First Faculty of Medicine, Charles University and General University Hospital	8	1	0	9
Institute of Sexology	First Faculty of Medicine, Charles University and General University Hospital	10	1	0	11
Department of Urology	First Faculty of Medicine, Charles University and General University Hospital	8	0	0	8
Institute of Biology and Medical Genetics	First Faculty of Medicine, Charles University and General University Hospital	17	3	1	21
Institute of Hygiene and Epidemiology	First Faculty of Medicine, Charles University and General University Hospital	11	2	3	16
Institute of Immunology and Microbiology	First Faculty of Medicine, Charles University and General University Hospital	16	2	0	18
Institute of Medical Biochemistry and Laboratory Diagnostics	First Faculty of Medicine, Charles University and General University Hospital	33	3	4	40
Institute of Nuclear Medicine	First Faculty of Medicine, Charles University and General University Hospital	4	0	0	4
Institute of Pathology	First Faculty of Medicine, Charles University and General University Hospital	6	0	0	6
Institute of General Practice	First Faculty of Medicine, Charles University and General University Hospital	1	0	0	1

unit	institution(s)	number of PhD. students at the unit			
		studying in 2018	studying in 2018		total studying in 2018
			quitted	graduated	
Department of Anaesthesiology, Resuscitation and Intensive Medicine	First Faculty of Medicine, Charles University and General University Hospital	7	3	0	10
Institute of Forensic Medicine and Toxicology	First Faculty of Medicine, Charles University and General University Hospital	4	1	1	6
Institute of Sports Medicine	First Faculty of Medicine, Charles University and General University Hospital	3	0	0	3
Department of Obstetrics and Gynaecology	First Faculty of Medicine, Charles University and Na Bulovce Hospital	8	2	0	10
Department of Infectious and Tropical Diseases	First Faculty of Medicine, Charles University and Na Bulovce Hospital	1	0	0	1
Department of Plastic Surgery	First Faculty of Medicine, Charles University and Na Bulovce Hospital	6	0	0	6
Department of Surgery	First Faculty of Medicine, Charles University and Na Bulovce Hospital	2	1	0	3
Department of Orthopaedics	First Faculty of Medicine, Charles University and Na Bulovce Hospital	8	0	0	8
3rd Department of Surgery	First Faculty of Medicine, Charles University and Motol University Hospital	14	0	1	15
Department of Otorhinolaryngology, Head and Neck Surgery	First Faculty of Medicine, Charles University and Motol University Hospital	12	0	0	12
Department of Spondylosurgery	First Faculty of Medicine, Charles University and Motol University Hospital	1	1	0	2
Department of Orthopaedics	First Faculty of Medicine, Charles University and Motol University Hospital	14	2	0	16
Department of Neurosurgery	First Faculty of Medicine, Charles University and Military University Hospital	14	1	1	16
Department of Medicine	First Faculty of Medicine, Charles University and Military University Hospital	5	0	0	5
Department of Infectious Diseases	First Faculty of Medicine, Charles University and Military University Hospital	3	0	1	4
Department of Orthopaedics	First Faculty of Medicine, Charles University and Military University Hospital	7	2	0	9

unit	institution(s)	number of PhD. students at the unit			
		studying in 2018	studying in 2018		total studying in 2018
			quitted	graduated	
Department of Ophthalmology	First Faculty of Medicine, Charles University and Military University Hospital	4	0	0	2
Department of Oncology	First Faculty of Medicine, Charles University and Thomayer Hospital	4	3	0	7
Department of Surgery	First Faculty of Medicine, Charles University and Thomayer Hospital	3	1	0	4
Department of Respiratory Medicine	First Faculty of Medicine, Charles University and Thomayer Hospital	5	0	0	5
<b>Total</b>		<b>738</b>	<b>91</b>	<b>47</b>	<b>876</b>

#### Doctoral state examinations passed in 2018

Surname and first name	Degree (before name)	Degree (after name)	Field	Date of examination
Bajer Lukáš	MUDr.		Human Physiology and Pathophysiology	07 Dec 2018
Balatková Zuzana	MUDr.		Experimental Surgery	28 May 2018
Buksakowska Irena	MUDr.		Neurosciences	09 Apr 2018
Comba Lukáš	MUDr.		Preventive Medicine	19 Sep 2018
Černý Vladimír	MUDr.		Imaging Techniques in Medicine	15 May 2018
Důra Miroslav	MUDr. Bc.		Cell Biology and Pathology	20 Sep 2018
Fečíková Anna	MUDr.		Neurosciences	09 Apr 2018
Fiala Luděk	MUDr.		Psychology	18 Sep 2018
Fraser Keely		M.Sc.	Preventive Medicine	09 July 2018
Frühaufl Filip	MUDr. Bc.	Ph.D.	Experimental Surgery	29 Jan 2018
Gurieva Iuliia	MUDr.		Human Physiology and Pathophysiology	15 Nov 2018
Houštecká Radka	Mgr.	M.Sc.	Biochemistry and Pathobiochemistry	29 Mar 2018
Janák David	MUDr.	Ph.D.	Human Physiology and Pathophysiology	19 Apr 2018
Jedličková Ivana	Ing.		Molecular and Cellular Biology, Genetics and Virology	29 May 2018
Jilich David	MUDr.		Preventive Medicine	07 Nov 2018
Jirásková Kateřina	Mgr.		Molecular and Cellular Biology, Genetics and Virology	29 May 2018
Keřková Barbora		M.A.	Psychology	17 July 2018
Kilibarda Biljana	MDDr.	Ph.D.	Addictology	13 Sep 2018
Kopecký Adam	MUDr.		Imaging Techniques in Medicine	15 May 2018
Kosinová Lucie	Mgr.		Biochemistry and Pathobiochemistry	19 June 2018
Kostelanská Marie	Mgr.		Molecular and Cellular Biology, Genetics and Virology	20 Sep 2018
Kotačková Lenka	MUDr. Mgr.		Biochemistry and Pathobiochemistry	16 Oct 2018
Krajčiová Jana	MUDr.		Human Physiology and Pathophysiology	06 Dec 2018
Kropáčková Tereza	Mgr.		Human Physiology and Pathophysiology	27 Sep 2018
Laďinovič Dijana		M.Sc.	Cell Biology and Pathology	07 June 2018
Lamberská Tereza	MUDr.	Ph.D.	Human Physiology and Pathophysiology	18 Jan 2018
Leontovych Ivan	Mgr. Bc.		Cell Biology and Pathology	07 June 2018
Lhotová Klára	Mgr.		Molecular and Cellular Biology, Genetics and Virology	06 Mar 2018

Surname and first name	Degree (before name)	Degree (after name)	Field	Date of examination
Lipš Michal	MUDr.		Experimental Surgery	22 Oct 2018
Míková Irena	MUDr. Mgr.		Human Physiology and Pathophysiology	14 June 2018
Mrózek Jan	MUDr.		Human Physiology and Pathophysiology	18 Jan 2018
Mudrochová Hana	MUDr.		Human Physiology and Pathophysiology	06 Dec 2018
Němcová Andrea	MUDr.		Human Physiology and Pathophysiology	15 Nov 2018
Nepožitek Jiří	MUDr.		Neurosciences	09 Apr 2018
Páral Petr	Mgr.		Human Physiology and Pathophysiology	14 June 2018
Pavlovská Amalie	Mgr. et Mgr.	Ph.D.	Addictology	13 Sep 2018
Pavluch Vojtěch	Mgr.		Biochemistry and Pathobiochemistry	06 Dec 2018
Piherová Lenka	Ing.		Molecular and Cellular Biology, Genetics and Virology	27 Nov 2018
Prajzlerová Klára	Ing.		Physiology a pathophysiology člověka	15 Nov 2018
Ptáčková Pavlína	Mgr.		Molecular and Cellular Biology, Genetics and Virology	06 Mar 2018
Sivá Monika	Mgr.		Biochemistry and Pathobiochemistry	19 June 2018
Slatinská Janka	MUDr.		Human Physiology and Pathophysiology	06 Dec 2018
Slovák Matěj	MUDr.		Neurosciences	09 Apr 2018
Smetana Michal	MUDr.	Ph.D.	Human Physiology and Pathophysiology	17 May 2018
Sochor Marek	MUDr.	Ph.D.	Biochemistry and Pathobiochemistry	19 June 2018
Stolařová Lenka	Mgr.		Molecular and Cellular Biology, Genetics and Virology	06 Mar 2018
Šebela Antonín	MUDr.		Psychology	27 Mar 2018
Šindelářová Romana	MDDr.	Ph.D.	Preventive Medicine	07 Feb 2018
Špaček Miloslav	MUDr.		Human Physiology and Pathophysiology	19 Apr 2018
Špunda Rudolf	MUDr.		Experimental Surgery	03 Dec 2018
Tesařová Jana	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	15 Feb 2018
Tichá Anežka	Mgr.		Biochemistry and Pathobiochemistry	06 Dec 2018
Vňuková Martina		M.Sc.	Psychology	18 Sep 2018

## Theses defended in PhD. study programmes in 2018

Surname and first name	Degree (before name)	Degree (after name)	Doctoral study programme	Title of thesis	Date of defence
Cinkajzlová Anna	Mgr.	Ph.D.	Human Physiology and Pathophysiology	Regulatory mechanisms influencing oetipathogenesis of obesity, insulin resistance and type 2 diabetes mellitus.	04 June 2018
Černý Martin	MUDr.	Ph.D.	Psychology	Victimization of patients with mental disease.	18 Sep 2018
Dluhošová Martina	Mgr.	Ph.D.	Human Physiology and Pathophysiology	Epigenetic regulatory factors CTCF and SMARCA5 control expression of haematopoietic transcription factor SPI1 in acute myeloid leukaemia cells and myelodysplastic syndrome.	17 May 2018
Dostálová Gabriela	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Selected aspects of acute myocardial infarction in young patients.	15 Feb 2018
El Haddad Rachid	MUDr.	Ph.D.	Experimental Surgery	To determine the indication for the use of synthetic materials in pelvic floor reconstructive surgery.	10 Sep 2018
Fajtová Pavla	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	Proteolytic system of Schistosoma mansoni.	13 Dec 2018
Frühauř Filip	MUDr. Bc.	Ph.D.	Experimental Surgery	Importance of ultrasonographic establishment of adverse prognostic indicators for the choice of adequate surgery in a malignant endometrial tumour.	10 Sep 2018
Gálisová Andrea	Mgr.	Ph.D.	Medical Biophysics	Alternative methods for visualization of pancreatic islets.	07 June 2018

Surname and first name	Degree (before name)	Degree (after name)	Doctoral study programme	Title of thesis	Date of defence
Gregová Monika	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Influence of slimming diet and pharmacologic interventions on fatty tissue metabolism in patients with type 2 diabetes mellitus and obesity.	19 Apr 2018
Honěk Jakub	MUDr.	Ph.D.	Human Physiology and Pathophysiology	The Role of Patent Foramen Ovale in the Pathophysiology of Decompression Sickness.	15 Mar 2018
Hornáček Matúš	Ing.	Ph.D.	Cell Biology and Pathology	Study of the mechanism of gene expression regulation at the level of functional organization of chromatin domains.	15 Nov 2018
Hošková Lenka	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Experimental and clinical aspects of nephrotoxicity of calcineurin inhibitors.	15 Nov 2018
Hronová Karolína	MUDr.	Ph.D.	Preventive Medicine	Polymorphism of genes involved in medicinal drug metabolism as a potential goal of prevention of major complications in treatment of neonates and infants.	19 Sep 2018
Hurňáková Jana	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Relation of expression of joint inflammation markers to activity of rheumatoid arthritis.	25 June 2018
Kicková Štěpánka	MUDr.	Ph.D.	Psychology	New approaches to diagnostics of children's autism.	27 Mar 2018
Kilibarda Biljana	MDDr.	Ph.D.	Specialization in Health Care	Comparison of smoking patterns of different population groups – implications for interventions.	13 Sep 2018
Kolářová Hana	MUDr.	Ph.D.	Biochemistry and Pathobiochemistry	Developmental, pathobiochemical and molecular aspects of selected inborn errors of metabolism.	12 Apr 2018
Kollárová Johana	Ing.	Ph.D.	Cell Biology and Pathology	Regulation of gene expression at posttranscriptional levels.	20 Sep 2018
Kovalčíková Jana	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	Functional characterisation of new components of mitochondrial proteome.	21 June 2018
Kratochvílová Simona	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Use of MRI spectroscopy in study of glucose metabolism.	18 Jan 2018
Krupičková Petra	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Tissue microcirculation in cardiac arrest setting – impact of various methods of circulatory support.	18 Oct 2018
Kryšťůvková Olga	MUDr.	Ph.D.	Immunology	BAFF (B-cell activating factor of the TNF family) in patients with idiopathic inflammatory myopathies with special focus on autoantibody profile.	24 Sep 2018
Kučerová Jarmila	Mgr.	Ph.D.	Preventive Medicine	Tobacco abuse and its implications in 8-to-12-year-old schoolchildren: Prevalence and forms of smoking, knowledge of brands and sources of cigarettes, initiation of smoking.	07 Nov 2018
Kudlíčka Jaroslav	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Electric stability of the heart in hypothermia-induced changes in K <sup>+</sup> concentration in plasma and modulation of autonomic nervous system through renal denervation.	15 Mar 2018
Kuliha Martin	MUDr.	Ph.D.	Neurosciences	Therapeutic use of ultrasound in patients with cerebrovascular condition.	10 Sep 2018
Laštovková Andrea	MUDr.	Ph.D.	Preventive Medicine	Diagnostics of new occupational diseases – prevention of new occupational impairments.	09 July 2018
Lhota Filip	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	Identification of heritable alterations predisposing to occurrence of breast carcinoma, using "next-gen" sequencing.	26 Sep 2018
Lízrová Jana	MUDr.	Ph.D.	Neurosciences	Optical coherence tomography for multiple sclerosis.	17 Sep 2018
Máca Jan	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Role of alarmins in perioperative medicine.	25 June 2018
Mezian Kamal	MUDr.	Ph.D.	Medical Biophysics	Musculoskeletal ultrasonography: Scope of use in selected morphologic changes in the lower extremity.	7 Sep 2018
Myšíková Dagmar	MUDr.	Ph.D.	Experimental Surgery	Studies of anti-tumour immunity response in patients with lung carcinoma.	24 Sep 2018
Neburková Jitka	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	Targeted biocompatible nanoparticles for therapy and cancer diagnostics.	26 Sep 2018
Neckář Marcel	Mgr.	Ph.D.	Psychology	Synesthetic associations and psychopathological symptoms.	27 Mar 2018



Surname and first name	Degree (before name)	Degree (after name)	Doctoral study programme	Title of thesis	Date of defence
Neprašová Barbora	Mgr.	Ph.D.	Biochemistry and Pathobiochemistry	The role of stable analogues of prolactin-releasing peptide in obesity and hypertension.	26 Sep 2018
Novotný Jan Philipp	MUDr.	Ph.D.	Cell Biology and Pathology	Conserved Mechanisms of Gene Expression Regulation by Nuclear Receptors.	20 Sep 2018
Pavelková Ilona	Mgr.	Ph.D.	History of Medicine	Spas and sanatoriums in the Czech part of Silesia from the second half of 19th century to the end of 1930s.	10 Sep 2018
Pavlovská Amalie	Mgr. et Mgr.	Ph.D.	Specialization in Health Care	Analysis of the study programme Addictology and characteristics of its graduates in the context of development of the field of addictology.	13 Sep 2018
Riegel Karel Dobroslav	Mgr. Bc.	Ph.D.	Psychology	Czech version of the Personality Inventory for DSM-5 (PID-5): Theoretical base, psychometric properties and implications for clinical practice.	18 Sep 2018
Rybová Jitka	RNDr.	Ph.D.	Biochemistry and Pathobiochemistry	Pathobiochemistry of lysosomal storage disorders: Study of Fabry disease and generation of cellular models of X-linked disorders.	12 Sep 2018
Schneiderová Michaela	MUDr.	Ph.D.	Preventive Medicine	Epidemiology of sporadic forms of colorectal carcinoma in view of prevention and possibility of early diagnosis.	19 Sep 2018
Smetana Michal	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Sex differences in apoptosis in the myocardium in patients after heart transplantation.	27 Sep 2018
Sochor Marek	MUDr.	Ph.D.	Biochemistry and Pathobiochemistry	Expression and prognostic importance of microRNA in patients with early breast carcinoma.	06 Dec 2018
Šedivý Petr	Mgr.	Ph.D.	Medical Biophysics	MRI and MR spectroscopy of a human on physical exertion (MR spectroscopic imaging, MR diffusometry, MR relaxometry etc.).	07 June 2018
Šindelářová Romana	MDDr.	Ph.D.	Preventive Medicine	Anthropological study into eruption of permanent teeth.	07 Nov 2018
Škrha Jan	MUDr.	Ph.D.	Biochemistry and Pathobiochemistry	Pathobiochemistry of diabetes mellitus and its complications – oxidative stress, microinflammation and genetic predisposition.	14 Feb 2018
Štekláčová Anna	MUDr.	Ph.D.	Neurosciences	Optimization of indications of surgical and endovascular treatment of intracranial aneurysms.	10 Sep 2018
Štěpánková Tereza	Mgr.	Ph.D.	Psychology	Incidence and manifestations of the adult form of ADHD in patients with food intake disorder.	20 Nov 2018
Štroffek Július	Mgr.	Ph.D.	Biomedical Informatics	Activity and Memory in Biologically Motivated Neural Network.	11 Dec 2018
Šumová Barbora	Ing.	Ph.D.	Immunology	Role of new pro-fibrotic molecules in pathogenesis of systemic scleroderma.	05 Feb 2018
Trylčová Jana	RNDr.	Ph.D.	Biochemistry and Pathobiochemistry	Dipeptidyl peptidase-IV and fibroblast-activating protein in gliomagenesis.	12 Jan 2018
Undus Lucie	MUDr.	Ph.D.	Neurosciences	Weight changes in patients with Parkinson's disease treated with Deep Brain Stimulation.	24 Sep 2018
Vaňková Hausnerová Viola	Mgr.	Ph.D.	Developmental and Cellular Biology	Gene regulation in four dimensions.	31 Jan 2018
Vaňková Kateřina	RNDr.	Ph.D.	Biochemistry and Pathobiochemistry	Biological effects of edible algae.	12 Sep 2018
Vorlová Barbora	RNDr.	Ph.D.	Biochemistry and Pathobiochemistry	Generation and Characterization of Glutamate Carboxypeptidase II (GCPII)-Deficient Mice	30 Oct 2018
Weissenberger Simone		M.A., Ph.D	Psychology	Adult ADHD Symptomatology and Lifestyles in the Czech Population.	22 May 2018
Wohl Pavel	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Colorectal carcinoma – from pathogenesis to screening: Colorectal carcinogenesis in ulcerative colitis with primary sclerotizing cholangitis and issues of screening for colorectal carcinoma.	13 Sep 2018
Zikmundová Magdalena	MUDr.	Ph.D.	Human Physiology and Pathophysiology	Experimental therapy for B-non-Hodgkin lymphomas.	18 Jan 2018

Numbers of students admitted and dissertation theses defended in doctoral study programmes at the First Faculty of Medicine in the past 5 years (2014–2018)

Year	2014	2015	2016	2017	2018	2014-2018
Admitted	149	166	169	122	151	757
Defended	58	45	53	57	58	271

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

In co-operation with the First Faculty of Medicine, the General University Hospital offers students of full-times Ph.D. programmes who have enrolled for pre-attestation specialty training in various educational programmes the option of getting an employment contract up to 0.5 position (which is called MD/Ph.D. programme). The aim of this activity is to promote the quality of research at clinical institutions of the hospital in all fields of health care that are considered as priorities.

Admitted to the MD/Ph.D. programme are students that meet specific criteria, which are displayed at the web pages of the General University Hospital and the Faculty. Within the programme, the students' individual plans of studies are evaluated. In 2018, the 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:
  - (a) Prolongation of the employment contract of the Faculty and the General University Hospital was allowed in case of 7 students (1<sup>st</sup> Department of Medicine, 3<sup>rd</sup> Department of Medicine, Department of Paediatrics and Adolescent Medicine, Institute of Biology and Medical Genetics).
  - (b) In case of 3 students prolongation of the contract was not allowed as the condition of concurrent study in the full-time form of doctoral studies was not met.
- (2) For students who applied for the MD/Ph.D. programme for the first time:

Of the two applicants, one did not meet the criterion of having completed the first year of the full-time form of doctoral studies, while the other got a full employment contract at a joint unit of the General University Hospital and the Faculty.

#### CONDITIONS OF STUDIES IN DOCTORAL STUDY PROGRAMMES – SITUATION IN 2018

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 specific Field Boards. A prerequisite for admission is passing the entrance interview successfully. The interviews are to evaluate, above all, the applicants' professional knowledge and language command as well as their readiness for independent scientific work in the chosen field. Part of the interview is discussion of the submitted project of the doctoral dissertation thesis, including its financial coverage.

The application for studies must be supported by enclosed documents as specified in the Conditions of admission procedures (see the website of Charles University):

#### SCHOLARSHIPS

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

Students enrolled in the full-time form of studies are entitled to 48 payments of the bursary. The amount of the bursaries between 1<sup>st</sup> October 2017 and 31<sup>st</sup> May 2018 was set by the Rector's Order number 7/2017 as follows:

- 1<sup>st</sup> year CZK 6,300
- 2<sup>nd</sup> year CZK 7,600
- 3<sup>rd</sup> year CZK 8,700
- 4<sup>th</sup> year CZK 8 800.

**By the Scholarship and Bursary Rules of Charles University, valid from 21<sup>st</sup> May 2018, and effective from 1<sup>st</sup> June 2018** and Deans Order number 7-2017, the amounts of bursaries for the academic year 2017-2018, effective since 1<sup>st</sup> June 2018, was 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.

Deans Order number 8-2018, effective since 1<sup>st</sup> October 2018, the amounts of bursaries for the academic year 2018-2019 were 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.

The fee for entrance procedures in the academic year 2017-2018 for applicants for studies in doctoral study programmes was set at the amount of CZK 500.

The fee for studies in English language is subject to 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 2,000.



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



In its sessions, the Scientific Board of the First Faculty of Medicine performed 9 procedures for appointment to professor posts and 16 habilitation procedures to appoint associate professors in 2018. The Faculty possesses accreditations for 21 doctoral study programmes. In 2018, the total number of 58 students successfully completed their studies in doctoral programmes.

The Faculty possesses accreditations for habilitation procedures in 38 fields and accreditations for procedures to appoint to professor posts in 36 fields.

On the occasion of important personal jubilees, and for special merits in development of the University, Prof. MUDr. Otomar Kittnar, CSc.; Prof. MUDr. Pavel Dungal, DrSc.; Prof. MUDr. Karel Smetana, DrSc.; and Prof. MUDr. Zdeněk Krška, DrSc. were granted silver medals by the Rector of Charles University at the proposal of the Dean of the First Faculty of Medicine in 2018, and Prof. MUDr. Emanuel Nečas, DrSc. was granted the gold medal. Further, the Rector of Charles University awarded the silver medal to Prof. MUDr. Jan Kvasnička, DrSc.; Prof. MUDr. Vladimír Beneš, DrSc.; Prof. MUDr. Miroslavovi Zavoralovi, Ph.D.; and the gold medal to Prof. MUDr. Helena Tlaskalová-Hogenová, DrSc.

On 16<sup>th</sup> October 2018, Prof. Robert D. Goldman, Ph.D., was awarded the honorary scientific degree doctor honoris causa in the field of medical sciences for his pioneering discoveries, which meant a significant asset for biology and medicine, and for his assistance to Czech science and Czech scientists. The solemn ceremony was held in the Great Hall of the historic building of Karolinum.

In 2016, the Rector's Board of Charles University approved three proposals from the First Faculty of Medicine to appoint visiting professors. The new visiting professors appointed are: Prof. Claudio Tiribelli, MD, PhD, University of Trieste for the Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – the First Faculty of Medicine, and the General University Hospital in Prague; Prof. Hauke Lang Dr. med., M. A., FACS, Department of General, Visceral- and Transplant Surgery, University of Mainz for the 1st Department of Surgery – Department of Abdominal, Thoracic Surgery and Traumatology, First Faculty of Medicine, Charles University and General University Hospital in Prague; and C. S. Raman, Ph.D., Department of Pharmaceutical Sciences, University of Maryland.

#### Survey of international grants

Name of project	Type of instrument
Clonidine for Sedation of Paediatric Patients in the Intensive Care Unit (CLOSED)	7. Framework Programme
Determinants of successful implementation of selective prevention of cardio-metabolic disease across Europe (SPIM EU)	HORIZON 2020
Female cancer prediction using cervical omics to individualise screening and prevention (FORECEE)	HORIZON 2020
Conservative iron chelation as a disease-modifying strategy in Parkinson's disease: a multicentric, parallel-group, placebo-controlled, randomized clinical trial of deferiprone (FAIR-PARK-II)	HORIZON 2020
Next generation sepsis diagnosis – SMARTDIAGNOS	HORIZON 2020
Translational studies of HEAD and neck cancer in South America and Europe (HEADSpAcE)	HORIZON 2020
Anti-Biopharmaceutical Immunization: Prediction and analysis of clinical relevance to minimize the risk (ABIRISK)	IMI Joint Undertaking
Sarcopenia and physical frailty in older people: multi-component treatment strategies (SPRINTT)	IMI Joint Undertaking
connect4children Collaborative Network for European Clinical Trials For Children (C4C)	IMI Joint Undertaking II

STOP-SV – Staff training on prevention of sexual violence: developing prevention and management strategies for the nightlife workplace	Directorate-general justice
UPC Adapt: Implementing a prevention training curriculum in Europe: Adaption and Piloting	Directorate-general justice

## GRANT SUPPORT FOR SCIENCE AND RESEARCH

Number of grant projects at the First Faculty of Medicine  
and the General University Hospital 2014–2018

Name of grant agency	2014		2015		2016		2017		2018	
	Faculty	Hospital	Faculty	Hospital	Faculty	Hospital	Faculty	Hospital	Faculty	Hospital
Grant Agency of Czech Republic	41	3	32	3	28	5	28	5	32	7
Grant Agency of Charles University	71	0	78	0	78	0	80	0	70	0
Grant agency of Ministry of Health	51	92	41	76	0	0	0	0	0	0
AZV ČR			27	26	44	46	59	62	67	72
UNCE. PRVOUK	17	0	17	0	17	0	19	0	12	0
TAČR	3	1	6	1	3	2	5	2	3	4
Other ministries	23	3	22	2	16	1	20	1	15	1
Academy of Sciences	0	0	0	0	0	0	0	0	0	0
International grants	24	7	22	9	18	6	13	6	11	10
subtotal	230	106	245	117	204	60	224	76	210	94
<b>total Faculty &amp; Hospital</b>		<b>336</b>		<b>362</b>		<b>264</b>		<b>300</b>		<b>304</b>

Survey of numbers and success rates of the grant applications  
by agencies between 2014 and 2018

year of launching of the project	Grant Agency of the Czech Republic			Grant Agency of Charles University			Grant Agency of the Ministry of Health, AZVČR		
	applications	grants	%	applications	grants	%	applications	grants	%
2014	36	4	11 %	69	21	30 %	0	0	0 %
2015	21	3	14 %	81	29	36 %	48	16	33 %
2016	23	5	22 %	64	18	28 %	42	11	26 %
2017	22	8	36 %	81	28	35 %	28	6	21 %
2018	33	5	15 %	53	16	30 %	32	6	19 %

Subsidies for science and research 2014–2018 (in Czech crowns)

year	First Faculty of Medicine of Charles University	General University Hospital	total CZK
2014	376 533 386	195 930 000	572 463 386
2015	376 198 826	193 974 000	570 172 826
2016	0	161 435 243	161 435 243
2017	354 817 338	209 638 651	564 455 989
2018	360 581 379	216 289 028	576 870 407



## Basic parameters of scientific activity at the First Faculty of Medicine 2014–2018

	Financial and personnel support						Publications (selection)					Response in citations	
	Grant funds allotted in thousands CKR	Number of grant projects incl. those submitted in Gen. Univ. Hospital and Research Concepts	Total manpower of the Faculty (converted to full-time positions)	Number of students in doctoral study programmes	Total number of publications	Total number of authors	Mono-graphs and text-books in Czech or English	Original expert and scientific publications and reviews without IF	Original expert and scientific publications incl. reviews in journals with IF	Number of authors publishing in journals with IF	Total IF scores of the journals in which the publications occurred	Number of citations according to SCI	Number of authors quoted in SCI
2014	376533	3360	963,89 (+60,33) <sup>1/</sup> (+184,74) <sup>2/</sup>	1084	1892	1494	87	671	631	756	2302,2	29072	1107
2015	376198	3620	1203,65 389,333 <sup>1/</sup> 2/	988	1987	1720	68	622	600	777	2287,5	33856	1221
2016	333138	2640	1189,31 (262,029) <sup>1/</sup> 2/	954	1987	1540	50	615	642	817	2583,9	37351	1185
2017	354817	3000	1187,08 (277,241) <sup>1/</sup> 2/	1093	1924	1622	60	576	657	798	3089,6	43068	1279
2018	360581	3040	1202,13 (302,709) <sup>1/</sup> 2/	1082									

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

## STUDENT SCIENTIFIC CONFERENCE

On 17<sup>th</sup> May 2018, our Faculty held the traditional Student Scientific Conference, the 19<sup>th</sup> in line. The 19<sup>th</sup> Student Scientific Conference took place in the place in the lecture hall and the adjacent rooms of the Purkinje Building at Albertov. The total number of 136 presentations were registered, which could be presented either in the form of lectures or as posters. Students registered in electronic form via a web interface. The registered presentations, or rather their abstracts, were assessed by expert boards, which are listed below.

### For undergraduate presentations:

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

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

Assoc. Prof. RNDr. Jiří Petrák, Ph.D.

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

Assoc. Prof. MUDr. Jan Živný, Ph.D.

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

Prof. Ing. Stanislav Kmoch, CSc.

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

Prof. PhDr. Michal Miovský, Ph.D.

Prof. MUDr. Tomáš Stopka, Ph.D.

Prof. MUDr. Aleš Žák, DrSc.

Assoc. Prof. MUDr. Jan Živný, Ph.D.

These boards decided on admission of the abstract to the competition and the way of presenting it.

### For postgraduate presentations:

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

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

Prof. RNDr. Libuše Kolářová, CSc.

Assoc. Prof. MUDr. Jan Živný, Ph.D.

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

Assoc. Prof. RNDr. Jiří Petrák, Ph.D.,

### which set the standings of the best postgraduate presentations as follows:

**1<sup>st</sup> prize: Mgr. Pavel Horák** (First Faculty of Medicine of Charles University, doctoral programme Molecular and Cellular Biology, Genetics and Virology, 2<sup>nd</sup> year of studies)

**Presentation:** Hedgehog effector proteins Gli1 and Gli2 directly regulate transcription of SLUG gene in melanoma cells.

**Supervising Tutor:** Assoc. Prof. MUDr. Vachtenheim Jiří, CSc. (Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University – the First Faculty of Medicine, and the General University Hospital)

**2<sup>nd</sup> prize: Mgr. Lenka Súkeníková** (Faculty of Natural Science of Charles University, doctoral programme Immunology, 1<sup>st</sup> year of studies)

**Presentation:** The effect of E. coli O83:K24:H34 on human and murine dendritic cells.

**Supervising Tutor:** RNDr. Jiří Hrdý, Ph.D. (Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University)

### and undergraduate lectures:

#### shared 1<sup>st</sup> prize

**1<sup>st</sup> prize: Daniel W. Rogalsky** (First Faculty of Medicine of Charles University, General medicine, 5<sup>th</sup> year of studies)

**Presentation:** Transferrin receptor 2 and TMPRSS6, two proteins involved in hepatic iron homeostasis, are expressed in the murine spleen following erythropoietin administration.

**Supervising Tutor:** Ing. Jan Krijt, Ph.D. (Institute of Pathological Physiology, First Faculty of Medicine, Charles University)

**1<sup>st</sup> prize: Barbora Heřmanovská** (First Faculty of Medicine of Charles University, General medicine, 5<sup>th</sup> year of studies)

**Presentation:** In vivo model of focal cortical dysplasia on underlying somatic mutation in mTOR signal cascade – a new way to understanding of mechanisms of epileptogenesis.

**Supervising Tutor:** Prof. MUDr. Přemysl Jiruška, Ph.D. (Institute of Physiology of the Academy of Sciences of the Czech Republic, Department of Developmental Epileptology)

### Postgraduate presentations in form of posters were evaluated by the board composed of the following:

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

Prof. Ing. Stanislav Kmoch, CSc.

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

Prof. MUDr. Jan Malík, CSc.

Assoc. Prof. MUDr. Michal Vráblík, Ph.D.,

#### which found the following postgraduate posters best:

**1<sup>st</sup> prize: MUDr. Vladimír Koucký** (First Faculty of Medicine of Charles University, doctoral programme Experimental surgery, 3<sup>rd</sup> year of studies)

**Presentation:** Dysfunction of HPV 16 specific T-lymphocytes infiltrating oropharyngeal carcinomas in relation to expression of TIM-3 and PD-1

**Supervising Tutor:** MUDr. Jan Bouček, Ph.D. (Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol)

**2<sup>nd</sup> prize: Mgr. Tereza Daňhelovská** (First Faculty of Medicine of Charles University, doctoral programme Biochemistry and pathobiochemistry, 2<sup>nd</sup> year of studies)

**Presentation:** Importance of ACBD3 protein in energy metabolism of various cell lines

**Supervising Tutor:** Ing. Tesařová Markéta, Ph.D. (Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital)

#### Undergraduate presentations in form of posters were evaluated by the board composed of the following:

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

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

#### which set the following standings:

##### shared 1<sup>st</sup> prize

**1<sup>st</sup> prize: Bc. Kateřina Macholdová** (Faculty of Natural Science of Charles University, follow-up Masters study programme Immunology, 2<sup>nd</sup> year of studies)

**Presentation:** Difference in regulatory T-cells of cord blood in children of healthy and allergic mothers.

**Supervising Tutor:** RNDr. Jiří Hrdý, Ph.D. (Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital)

**1<sup>st</sup> prize: Martin Pehr** (First Faculty of Medicine of Charles University, General medicine, 3<sup>rd</sup> year of studies)

**Presentation:** Quantitative detection of fd-phages through qPCR

**Supervising Tutor:** Mgr. Pavel Šácha, Ph.D. (Institute of Organic Chemistry and Biochemistry of Academy of Sciences of the Czech Republic)

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

Further, the participants of the 19<sup>th</sup> Student Scientific Conference could vote in a poll to choose the best poster. The 36 participants that voted set the following standing:

#### Postgraduate posters

**1<sup>st</sup> prize: Martin Štach** (Faculty of Natural Science of Charles University, Molecular and cellular biology, genetics and virology, 2<sup>nd</sup> year of studies)

**Presentation:** CAR-T-cell therapy

**Supervising Tutor:** MUDr. Pavel Otáhal, Ph.D. (Institute of Clinical and Experimental Haematology, First Faculty of Medicine, Charles University and Institute of Haematology and Blood Transfusion)

#### Undergraduate posters

##### Shared 1<sup>st</sup> prize

**1<sup>st</sup> prize: Martin Kolář** (First Faculty of Medicine of Charles University, General medicine, 4<sup>th</sup> year of studies)

**Presentation:** Pregnancy outcomes in women with inflammatory bowel disease treated with biosimilar infliximab

**Supervising Tutor:** Prof. MUDr. Milan Lukáš, CSc. (Clinical and Research Centre for Bowel Inflammations ISCARE I. V. F.)

**1<sup>st</sup> prize: Kamila Vlčková** (First Faculty of Medicine of Charles University, General medicine, 4<sup>th</sup> year of studies)

**Presentation:** Analysis of incidence of chromosomal aberrations within prenatal diagnosis

**Supervising Tutor:** MUDr. Antonín Šípek (Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital)

The award ceremony was held at the Academic Club of the First Faculty of Medicine of Charles University in Faust House on 30<sup>th</sup> May 2018 at 4 p.m.





## 2017 BIBLIOGRAPHY

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

Bibliometric data processing is based on classification of publication in categories according to the values of the impact factor (IF) and scoring of the publication result (BIB) points allotted, pursuant to the Resolution VII/7 of the Scientific Council of the First Faculty of Medicine of Charles University of 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 2017 statistics, is given at page 77. 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 2017, the total of 1,924 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 1,622. In 2017, the total number of 798 authors from the First Faculty of Medicine of Charles University participated in publication of 798 original and 76 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 43,068, which is more by 5,717 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 XX) and the First Faculty of Medicine as a whole. By 31<sup>st</sup> December 2018, the institutional h-index for the Faculty equalled 126. In the long-term aspect, the First Faculty of Medicine of Charles University shows a constant increase in this value as well.

### PUBLICATIONS IN JOURNALS WITH HIGH IMPACT FACTORS:

- 3 publications in a journal with IF = 79,258 (The New England Journal of Medicine)
- 4 publications in a journal with IF = 53,254 (The Lancet)
- 1 publication in a journal with IF = 41,577 (Nature)
- 3 publications in a journal with IF = 27,138 (The Lancet: Neurology)
- 1 publication in a journal with IF = 26,303 (Journal of Clinical Oncology)
- 2 publications in a journal with IF = 23,425 (European Heart Journal)
- 1 publication in a journal with IF = 22,844 (Cancer Cell)
- 1 publication in a journal with IF = 22,737 (Journal of Statistical Software [online])
- 1 publication in a journal with IF = 21,466 (The Lancet: Respiratory Medicine)
- 1 publication in a journal with IF = 20,773 (Gastroenterology)
- 2 publications in a journal with IF = 19,313 (The Lancet: Diabetes & Endocrinology)
- 5 publications in a journal with IF = 17,581 (European Urology)
- 1 publication in a journal with IF = 15,872 (Acta Neuropathologica)
- 1 publication in a journal with IF = 15,239 (American Journal of Respiratory and Critical Care Medicine)
- 2 publications in a journal with IF = 15,132 (Blood)
- 2 publications in a journal with IF = 15,008 (Intensive Care Medicine)
- 1 publication in a journal with IF = 13,926 (Annals of Oncology)
- 1 publication in a journal with IF = 13,391 (The American Journal of Psychiatry)
- 1 publication in a journal with IF = 13,258 (Journal of Allergy and Clinical Immunology)
- 4 publications in a journal with IF = 12,353 (Nature Communications [online])
- 16 publications in a journal with IF = 12,35 (Annals of the Rheumatic Diseases)
- 1 publication in a journal with IF = 12,242 (European Respiratory Journal)
- 1 publication in a journal with IF = 11,640 (Molecular Psychiatry)
- 1 publication in a journal with IF = 11,460 (JAMA Neurology)
- 1 publication in a journal with IF = 11,355 (The Lancet: HIV)
- 1 publication in a journal with IF = 10,840 (Brain)
- 3 publications in a journal with IF = 10,683 (European Journal of Heart Failure)
- 1 publication in a journal with IF = 10,336 (Journal of Thoracic Oncology)
- 3 publications in a journal with IF = 10,199 (Clinical Cancer Research)
- 1 publication in a journal with IF = 10,023 (Leukemia)



1 publication in a journal with IF = 9,937 (Genetics in Medicine)  
 3 publications in a journal with IF = 9,090 (Haematologica)  
 2 publications in a journal with IF = 8,898 (Genome Medicine)  
 1 publication in a journal with IF = 8,806 (Biomaterials)  
 1 publication in a journal with IF = 8,745 (Autoimmunity Reviews)  
 2 publications in a journal with IF = 8,655 (Journal of the American Society of Nephrology)  
 1 publication in a journal with IF = 8,429 (Kidney International)  
 1 publication in a journal with IF = 8,324 (Movement Disorders)  
 2 publications in a journal with IF = 8,125 (Blood Cancer Journal)  
 1 publication in a journal with IF = 7,955 (The Journal of Heart and Lung Transplantation)  
 1 publication in a journal with IF = 7,877 (Journal of Controlled Release)  
 1 publication in a journal with IF = 7,871 (Arthritis & Rheumatology)  
 2 publications in a journal with IF = 7,652 (Chest)  
 1 publication in a journal with IF = 7,616 (eLife)  
 4 publications in a journal with IF = 7,609 (Neurology)  
 2 publications in a journal with IF = 7,360 (International Journal of Cancer)  
 1 publication in a journal with IF = 7,233 (Nanoscale)  
 1 publication in a journal with IF = 7,144 (Journal of Neurology, Neurosurgery and Psychiatry)  
 1 publication in a journal with IF = 7,129 (American Journal of Kidney Diseases)  
 1 publication in a journal with IF = 7,127 (Eurosurveillance)  
 1 publication in a journal with IF = 6,898 (Journal of the American Academy of Dermatology)  
 2 publications in a journal with IF = 6,854 (Oncogene)  
 3 publications in a journal with IF = 6,823 (Hypertension)  
 1 publication in a journal with IF = 6,637 (Journal of Crohn's and Colitis)  
 1 publication in a journal with IF = 6,629 (Endoscopy)  
 1 publication in a journal with IF = 6,548 (Current Opinion in Solid State and Materials Science)  
 1 publication in a journal with IF = 6,500 (Nanomedicine: Nanotechnology, Biology, and Medicine)  
 1 publication in a journal with IF = 6,481 (Critical Reviews in Clinical Laboratory Sciences)  
 1 publication in a journal with IF = 6,314 (Journal of Bone and Mineral Research)  
 2 publications in a journal with IF = 6,253 (Journal of Medicinal Chemistry)  
 1 publication in a journal with IF = 6,217 (Journal of Experimental and Clinical Cancer Research)  
 1 publication in a journal with IF = 6,158 (PLOS Pathogens)  
 1 publication in a journal with IF = 6,059 (Neuropathology and Applied Neurobiology)  
 1 publication in a journal with IF = 5,980 (Diabetes, Obesity & Metabolism)  
 1 publication in a journal with IF = 5,970 (Journal of Neuroscience)  
 1 publication in a journal with IF = 5,914 (Macromolecules)  
 1 publication in a journal with IF = 5,835 (Clinical Journal of the American Society of Nephrology)  
 1 publication in a journal with IF = 5,811 (Nanotoxicology)  
 1 publication in a journal with IF = 5,789 (The Journal of Clinical Endocrinology & Metabolism)  
 1 publication in a journal with IF = 5,788 (Nutrition Reviews)  
 1 publication in a journal with IF = 5,770 (BMC Biology)  
 1 publication in a journal with IF = 5,728 (Archives of Toxicology)  
 1 publication in a journal with IF = 5,667 (Sensors and Actuators B: Chemical)  
 3 publications in a journal with IF = 5,654 (Ultrasound in Obstetrics and Gynecology)  
 1 publication in a journal with IF = 5,595 (The FASEB Journal)  
 1 publication in a journal with IF = 5,592 (Cell Chemical Biology)  
 1 publication in a journal with IF = 5,587 (Stem Cells)  
 1 publication in a journal with IF = 5,496 (Clinical Nutrition)  
 1 publication in a journal with IF = 5,420 (Heart)  
 2 publications in a journal with IF = 5,331 (Endocrine-Related Cancer)  
 1 publication in a journal with IF = 5,303 (American Journal of Hematology)  
 10 publications in a journal with IF = 5,280 (Multiple Sclerosis Journal)  
 1 publication in a journal with IF = 5,256 (Journal of Biological Engineering)  
 2 publications in a journal with IF = 5,245 (Rheumatology)  
 3 publications in a journal with IF = 5,235 (Cardiovascular Diabetology)  
 1 publication in a journal with IF = 5,231 (Europace)

- 1 publication in a journal with IF = 5,227 (Neurobiology of Disease)
- 1 publication in a journal with IF = 5,193 (Journal of Neuroinflammation)
- 1 publication in a journal with IF = 5,166 (Revista Española de Cardiología)
- 2 publications in a journal with IF = 5,128 (British Journal of Haematology)
- 1 publication in a journal with IF = 5,116 (Electrochimica Acta)
- 1 publication in a journal with IF = 5,080 (Materials Science & Engineering C)
- 1 publication in a journal with IF = 5,076 (Molecular Neurobiology)
- 1 publication in a journal with IF = 5,072 (Carcinogenesis)

## PUBLICATIONS IN JOURNALS WITH THE HIGHEST IMPACT FACTORS, BY THE AUTHOR'S ROLE<sup>1</sup>

**SIEGER, Tomáš** - HURLEY, Catherine B. - FIŠER, Karel - BELEITES, Claudia. Interactive Dendrograms: The R Packages idendro and idendr0. *Journal of Statistical Software [online]*. 2017, 76(10), 1-22. ISSN 1548-7660.  
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**SOUKUP, Viktor** - ČAPOUN, Otakar - COHEN, Daniel - HERNANDEZ, Virginia - BABJUK, Marek - BURGER, Max - COMPERAT, Eva - GONTERO, Paolo - LAM, Thomas - MACLENNAN, Steven - MOSTAFID, A. Hugh - PALOU, Joan - VAN RHIJN, Bas W. G. - ROUPRET, Morgan - SHARIAT, Shahrokh F. - SYLVESTER, Richard - YUAN, Yuhong - ZIGEUNER, Richard. Prognostic Performance and Reproducibility of the 1973 and 2004-2016 World Health Organization Grading Classification Systems in Non-muscle-invasive Bladder Cancer: A European Association of Urology Non-muscle Invasive Bladder Cancer Guidelines Panel Systematic Review. *European Urology*. 2017, 72(5), 801-813. ISSN 0302-2838.  
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IF = 9.090 (2017)

<sup>1</sup> Authors from Charles University – First Faculty of Medicine in associated authorship are put at the first or last position, or they may be corresponding authors (always in bold print)

**TESAŘ, Vladimír** - CIECHANOWSKI, Kazimierz - PEI, York - BARASH, Irina - SHANNON, Megan - LI, Ray - WILLIAMS, Jason H. - LEVISETTI, Matteo - ARKIN, Steven - SERRA, Andreas. Bosutinib versus Placebo for Autosomal Dominant Polycystic Kidney Disease. *Journal of the American Society of Nephrology*. 2017, 28(11), 3404-3413. ISSN 1046-6673.  
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Publications in journals with the highest IF in 2017, in which authors from the First Faculty of Medicine of Charles University published

IF 2017	Total number of publications with participation of authors from the Faculty	Number of publications in which the author from the Faculty is at the first or last place, or a corresponding author
20.000–79.258	18	1
15.000–19.999	13	2
10.000–14.999	36	3
8.000–9.999	14	3
7.000–7.999	16	4
6.000–6.999	17	7
5.500–5.999	16	10
5.000–5.499	31	8
<b>Total</b>	<b>161</b>	<b>38</b>

Total publishing output of the First Faculty of Medicine of Charles University in – 2016–2017 survey

Type of document	BIB points	2016	2017
Primary publication in scientific / professional journal with IF	10	570	581
Primary publication in scientific / professional journal without IF – indexed	2	126	128
Primary publication in scientific / professional journal without IF – not indexed	1,5	76	85
Synoptic article in scientific / professional journal with IF	7	72	76
Synoptic article in scientific / professional journal without IF – indexed	3	156	157
Synoptic article in scientific / professional journal without IF – not indexed	2	257	206
Translation of article in scientific / professional journal, or of chapter in monograph to Czech language	0,25	5	0
Translation of article in scientific / professional journal, or of chapter in monograph from Czech language	0,5	0	0
Review	0	19	17
Case study in scientific / professional journal with IF	3	11	14
Case study in scientific / professional journal without IF – not indexed	1	43	38
Case study in scientific / professional journal without IF – not indexed	0,75	41	53
Popularizing article <sup>a)</sup>	0,2	28	29
Other type of article <sup>b)</sup>	0,2	162	170
Abstract of conference presentation in scientific / professional journal with IF	not collected <sup>d)</sup>	not collected	not collected
Other abstract, lecture, poster	not collected	not collected	not collected
Letter to the editors in scientific / professional journal with IF	1	25	21
Letter to the editors in scientific / professional journal without IF	0,5	2	4
Editorial in scientific / professional journal with IF	5	11	4
Editorial in scientific / professional journal without IF	0,25	27	30
Publication in conference proceedings – in Czech / Slovak language	1	89	37
Publication in conference proceedings – in other than Czech / Slovak language	2	10	10
Monograph – in Czech / Slovak language <sup>1), 2)</sup>	0,5	40	48
Monograph – in other than Czech / Slovak language <sup>1), 2)</sup>	1	1	2
Textbook, proceedings/collection – in Czech / Slovak language <sup>1)</sup>	0,5	7	8
Textbook, proceedings/collection – in other than Czech / Slovak language <sup>1)</sup>	1	2	2
Chapter in monograph, textbook, collection (not conference proceedings) – in Czech / Slovak language <sup>1), 2)</sup>	0,5	88	47



Type of document	BIB points	2016	2017
Chapter in monograph, textbook, collection (not conference proceedings) – in other than Czech / Slovak language <sup>1), 2)</sup>	1	26	20
Cyclopaedia, dictionary, reference book, yearbook, review manual, popularizing scientific book c) / chapter(s) in such books – in Czech / Slovak language <sup>1)</sup>	0,2	22	11
Cyclopaedia, dictionary, reference book, yearbook, review manual, popularizing scientific book c) / chapter(s) in such books – in other than Czech / Slovak language <sup>1)</sup>	0,4	1	0
Translation of monograph / chapter in monograph – to Czech language <sup>1)</sup>	0,15	1	1
Translation of monograph / chapter in monograph – from Czech language <sup>1)</sup>	0,3	0	0
Patents and inventions	10	3	6
Technologies, treatment procedures	10	0	3
Habilitation, dissertation and doctorate thesis	2	4	2
AV design, SW, internet resource, e-learning, conference, workshop, exhibition	2	60	34
miscellaneous, other results	0	2	80
<b>Total number of publication items <sup>I</sup></b>		1987	1987 <i>note 1924</i>
Number of authors from the First Faculty of Medicine of Charles University <sup>II</sup>		1720	1540 <i>note 1622</i>
Total IF of publications in the category primary/synoptic article with IF <sup>III</sup>		2287,45	2583,916 <i>note 3089,94</i>
Number of authors from the First Faculty of Medicine, publishing in journals with IF <sup>IV</sup>		777	817 <i>note 798</i>
Number of citations in SCI <sup>V</sup>		33856	37351 <i>note 43068</i>
Number of authors from the First Faculty of Medicine, quoted in SCI <sup>VI</sup>		1221	1185 <i>note 1279</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 e.g. in acknowledgements for supplying particular statistic data etc.)

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

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

**Following the discussion in the 1st session of Dean's Board (5 Sep 2016) and approval at the session of the Scientific Board (20 Sep 2016), IF points for an impacted publication are calculated from the constant corresponding to the mean value for the given journal with IF according to its classification in the respective quartile (Q) – Q1 = 4.582; Q2 = 2.815; Q3 = 1.546; Q4 = 0.799.**

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

<sup>I</sup> – number of entries in the bibliographic data base

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

<sup>III</sup> – 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)

<sup>IV</sup> – number of authors whose total IF > 0.0000

<sup>V</sup> – 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)

<sup>VI</sup> – number of authors whose total SCI > 0

## Amounts of BIB, SCI and their total in 2017 – organization units

organization unit (in alphabetical order)	BIB <sup>1</sup>	BIB – standing without conversion to full-time positions	SCI <sup>1</sup>	SCI – standing without conversion to full-time positions	IF <sup>1</sup>	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF <sup>2</sup>	total BIB, SCI and IF – standing without conversion to full-time positions 18
Institute of Anatomy, First Faculty of Medicine, Charles University	96,62	16	121,77	11	20,21	33	400,80	18
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University - the First Faculty of Medicine, and the General University Hospital	2,04	69	3,97	60	0,91	58	12,72	68
BIOCEV – First Faculty of Medicine, Charles University	151,87	10	64,99	23	104,21	4	594,49	10
Centre for Practical Applications Support and Spin-off Companies	0,07	74	0,00	72	0,00	63	0,07	75
Center for Advanced Preclinical Imaging, First Faculty of Medicine, Charles University	9,19	61	7,46	56	6,85	43	44,66	53
Centre of Experimental Biomodels, First Faculty of Medicine, Charles University	0,33	71	0,74	70	0,18	62	2,37	72
Department of Dermatology and Venereology, First Faculty of Medicine, Charles University and General University Hospital in Prague	32,40	43	14,14	49	5,38	46	76,83	47
Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	76,67	25	66,63	22	26,85	27	290,50	21
Department of Phoniatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	22,95	51	1,61	67	1,59	55	30,94	58
Institute of Physiology, First Faculty of Medicine, Charles University	69,80	27	39,73	32	28,78	25	235,61	31
Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	9,35	60	78,80	17	2,39	53	174,13	37
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	10,87	58	17,89	44	1,73	54	51,84	51
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	163,63	7	267,04	5	76,15	10	926,17	5
Department of Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	0,11	73	1,63	66	0,00	63	3,36	71
Department of Surgery, First Faculty of Medicine, Charles University and Thomayer Hospital	11,22	57	11,19	51	0,94	57	36,41	56
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	46,44	36	49,99	27	4,28	49	159,25	38
1 <sup>st</sup> Department of Medicine – Department of Haematology, First Faculty of Medicine, Charles University and General University Hospital in Prague	30,79	45	45,25	28	12,40	40	158,49	39
1 <sup>st</sup> Department of Tuberculosis and Respiratory Diseases, First Faculty of Medicine, Charles University and General University Hospital in Prague	19,95	52	2,52	64	0,21	61	25,63	63
2 <sup>nd</sup> Department of Surgery – Department of Cardiovascular Surgery, First Faculty of Medicine, Charles University and General University Hospital in Prague	32,25	44	37,90	34	29,01	24	195,09	35

organization unit (in alphabetical order)	BIB <sup>1</sup>	BIB – standing without conversion to full-time positions	SCI <sup>1</sup>	SCI – standing without conversion to full-time positions	IF <sup>1</sup>	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF <sup>2</sup>	total BIB, SCI and IF – standing without conversion to full-time positions 18
2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	201,13	3	166,73	8	123,35	3	904,63	6
3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	55,91	32	44,95	30	40,40	18	267,02	25
3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	496,52	1	325,89	3	91,40	7	1 422,50	3
Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague	69,91	26	73,82	18	13,74	38	258,77	26
4 <sup>th</sup> Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	67,68	28	166,50	9	23,48	31	471,11	13
Department of Addictology of Charles University – First Faculty of Medicine, and the General University Hospital	90,01	19	30,48	37	42,19	17	277,54	22
Department of Anaesthesiology and Intensive Care, First Faculty of Medicine, Charles University and Military University Hospital Prague	6,15	63	4,68	59	4,75	47	29,77	59
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine, and the General University Hospital	61,54	30	59,39	24	30,44	23	271,64	24
Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague *	179,07	6	412,17	1	151,88	2	1 459,04	2
Department of Infectious and Tropical Diseases, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	5,92	64	9,99	53	4,53	48	39,49	55
Department of Infectious Diseases, First Faculty of Medicine, Charles University and Military University Hospital Prague	8,25	62	15,62	47	3,95	50	51,33	52
Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	93,04	17	98,83	14	59,57	13	469,42	14
Department of Orthopaedics, First Faculty of Medicine, Charles University and Military University Hospital Prague	25,59	50	17,92	43	11,75	41	96,68	44
Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol	86,27	20	90,56	16	35,40	21	373,58	19
Department of Plastic Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	26,39	48	11,18	52	1,15	56	52,21	50
Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	80,95	24	68,78	21	76,27	9	447,32	15
Department of Rehabilitation Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	34,54	41	3,51	61	0,29	59	42,42	54

organization unit (in alphabetical order)	BIB <sup>1</sup>	BIB – standing without conversion to full-time positions	SCI <sup>1</sup>	SCI – standing without conversion to full-time positions	IF <sup>1</sup>	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF <sup>2</sup>	total BIB, SCI and IF – standing without conversion to full-time positions 18
Department of Spondylosurgery, First Faculty of Medicine, Charles University and University Hospital Motol	0,00	75	8,32	54	0,00	63	16,64	67
Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital Prague	130,63	11	50,54	26	57,63	14	404,61	17
Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	336,20	2	407,51	2	279,76	1	1 990,49	1
Department of Ophthalmology, First Faculty of Medicine, Charles University and Military University Hospital Prague	55,72	33	0,80	69	0,00	63	57,32	49
Department of Ophthalmology, First Faculty of Medicine, Charles University and General University Hospital in Prague	26,24	49	18,63	42	8,30	42	88,39	46
Department of Oncology of Charles University – First Faculty of Medicine, and the Thomayer Teaching Hospital	103,69	14	22,59	39	24,33	30	221,86	33
Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	63,94	29	34,71	36	17,24	35	185,09	36
Department of Oncology, First Faculty of Medicine, Charles University, General University Hospital in Prague and Military University Hospital Prague	3,09	68	2,88	62	0,00	63	8,86	69
Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	37,18	39	19,45	40	14,86	37	120,66	41
Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol	42,09	37	72,54	19	16,56	36	236,84	30
Department of Paediatrics, First Faculty of Medicine, Charles University and Thomayer Hospital	0,86	70	0,57	71	0,00	63	1,99	73
Department of Respiratory Medicine, First Faculty of Medicine, Charles University and Thomayer Hospital	83,38	22	18,73	41	5,59	45	137,61	40
Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	160,40	9	215,37	7	50,83	15	743,63	9
Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	55,10	34	45,02	29	37,11	20	256,48	27
Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	163,13	8	217,06	6	93,99	6	879,23	7
Institute of Sexology, First Faculty of Medicine, Charles University and General University Hospital in Prague	35,80	40	17,69	45	13,02	39	110,23	43
Department of Stomatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	111,92	13	97,40	15	37,28	19	418,56	16
Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague	54,79	35	58,14	25	35,13	22	276,47	23
Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University	91,33	18	35,26	35	50,02	16	311,92	20
Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University	32,97	42	68,90	20	21,08	32	234,02	32
Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	193,57	4	152,70	10	100,85	5	801,52	8

organization unit (in alphabetical order)	BIB <sup>1</sup>	BIB – standing without conversion to full-time positions	SCI <sup>1</sup>	SCI – standing without conversion to full-time positions	IF <sup>1</sup>	IF – standing without conversion to full-time positions	BIB + 2xSCI + 3xIF <sup>2</sup>	total BIB, SCI and IF – standing without conversion to full-time positions 18
Institute for History of Medicine and Foreign Languages, First Faculty of Medicine, Charles University	17,53	54	2,20	65	0,00	63	21,94	65
Institute of Histology and Embryology, First Faculty of Medicine, Charles University	28,70	46	14,88	48	19,32	34	116,40	42
Institute for Medical Humanities, First Faculty of Medicine, Charles University	11,63	56	5,54	58	0,00	63	22,72	64
Institute of Hygiene and Epidemiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	85,59	21	43,55	31	25,04	29	247,81	28
Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	116,29	12	100,77	13	75,63	11	544,71	11
Institute of Clinical and Experimental Haematology, First Faculty of Medicine, Charles University and Institute of Haematology and Blood Transfusion	10,54	59	16,47	46	5,79	44	60,85	48
Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - the First Faculty of Medicine, and the General University Hospital	184,91	5	310,32	4	87,63	8	1 068,43	4
Institute of Nuclear Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	12,35	55	2,71	63	3,66	51	28,75	61
Institute of Pathological Physiology, First Faculty of Medicine, Charles University	57,37	31	120,97	12	69,52	12	507,87	12
Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	97,65	15	28,93	38	27,42	26	237,77	29
Institute of Radiation Oncology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	5,85	65	7,61	55	0,00	63	21,07	66
Institute of Forensic Medicine and Toxicology, First Faculty of Medicine, Charles University and General University Hospital in Prague	40,27	38	38,60	33	26,28	28	196,31	34
Institute of Physical Education, First Faculty of Medicine, Charles University	0,00	75	0,00	72	0,00	63	0,00	76
Institute of Sports Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,64	67	13,98	50	0,26	60	32,38	57
Institute of Nursing Theory and Practice, First Faculty of Medicine, Charles University	27,20	47	0,00	72	0,00	63	27,20	62
Institute of Scientific Information, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,70	66	0,00	72	0,00	63	3,70	70
Institute of Public Health and Medical Law, First Faculty of Medicine, Charles University	19,03	53	1,28	68	2,69	52	29,65	60
Institute of General Practice, First Faculty of Medicine, Charles University	82,77	23	6,88	57	0,00	63	96,54	45

For the purpose of conversion of sums of the points gained by particular organization units to job positions, the totals of positions only include academic positions (professors, associate professors, assistant professors, assistants and lecturers), participating in scientific activities. The positions are meant as yearly averages.

Note 1 – BIB/SCI/IF have been weighted in the total as 1:2:3 respectively (as decided by the Scientific Board of the Faculty on 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.

\* On 1<sup>st</sup> October 2016, this unit merged with the Institute of Cellular Biology and Pathology.

## Bibliography, SCI, IF – by organization units – conversion to full-time positions of academic staff – TOP 40 – 2017

organization unit (in alphabetical order)	total positions of academic staff	BIB converted	BIB standing per position after conversion	SCI converted	SCI standing per position after conversion	IF converted	IF – standing per position after conversion	converted BIB+2x SCI+3xIF per position <sup>1</sup>	total BIB. & IF – standing per position after conversion
Institute of Anatomy, First Faculty of Medicine, Charles University	25,44	3,798	46	4,787	36	0,795	48	15,755	45
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine, and the General University Hospital	1,80	1,132	67	2,207	53	0,508	54	7,069	62
BIOCEV – First Faculty of Medicine, Charles University	26,60	5,709	34	2,443	51	3,918	17	22,349	34
Centre for Practical Applications Support and Spin-off Companies	1,40	0,051	72	0,000	72	0,000	63	0,051	74
Center for Advanced Preclinical Imaging, First Faculty of Medicine, Charles University	6,60	1,393	65	1,131	61	1,037	47	6,766	63
Centre of Experimental Biomodels, First Faculty of Medicine, Charles University	0,15	2,222	58	4,963	34	1,219	44	15,804	44
Department of Dermatology and Venereology, First Faculty of Medicine, Charles University and General University Hospital in Prague	4,30	7,534	31	3,288	47	1,252	43	17,867	43
Institute of Pharmacology, First Faculty of Medicine, Charles University and General University Hospital in Prague	9,85	7,784	28	6,765	25	2,726	26	29,492	25
Department of Phoniatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,00	7,652	29	0,536	65	0,530	53	10,312	57
Institute of Physiology, First Faculty of Medicine, Charles University	21,90	3,187	48	1,814	58	1,314	41	10,758	55
Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,70	2,528	57	21,298	3	0,646	51	47,062	15
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	4,00	2,719	54	4,472	37	0,432	56	12,959	53
Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague	16,90	9,682	20	15,801	5	4,506	15	54,803	11
Department of Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	3,20	0,035	73	0,508	66	0,000	63	1,052	72
Department of Surgery, First Faculty of Medicine, Charles University and Thomayer Hospital	2,60	4,314	41	4,304	40	0,360	58	14,004	48
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	15,35	3,026	51	3,257	48	0,279	59	10,375	56



organization unit (in alphabetical order)	total positions of academic staff	BIB converted	BIB standing per position after conversion	SCI converted	SCI standing per position after conversion	IF converted	IF – standing per position after conversion	converted BIB+2x SCI+3xIF per position <sup>1</sup>	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	15,80	1,949	62	2,864	50	0,785	49	10,031	60
1 <sup>st</sup> Department of Tuberculosis and Respiratory Diseases, First Faculty of Medicine, Charles University and General University Hospital in Prague	2,50	7,978	26	1,008	62	0,086	60	10,251	59
2 <sup>nd</sup> Department of Surgery – Department of Cardiovascular Surgery, First Faculty of Medicine, Charles University and General University Hospital in Prague	4,00	8,064	24	9,474	18	7,254	8	48,772	14
2 <sup>nd</sup> Department of Medicine – Department of Cardiovascular Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	12,45	16,155	8	13,392	9	9,907	5	72,661	5
3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	7,40	7,555	30	6,075	27	5,460	13	36,084	20
3 <sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague	34,70	14,309	11	9,392	19	2,634	28	40,994	17
Department of Medicine, First Faculty of Medicine, Charles University and Military University Hospital Prague	4,65	15,034	10	15,875	4	2,955	20	55,649	10
4 <sup>th</sup> Department of Medicine – Department of Gastroenterology and Hepatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	21,90	3,090	50	7,603	22	1,072	46	21,512	36
Department of Addictology of Charles University – First Faculty of Medicine, and the General University Hospital	21,65	4,157	43	1,408	59	1,949	37	12,819	54
Department of Anaesthesiology and Intensive Care, First Faculty of Medicine, Charles University and Military University Hospital Prague	2,15	2,860	52	2,178	54	2,209	34	13,845	49
Department of Anaesthesiology, Resuscitation and Intensive Medicine of Charles University – First Faculty of Medicine, and the General University Hospital	4,60	13,379	12	12,911	10	6,617	9	59,053	9
Department of Paediatrics and Adolescent Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague *	69,55	2,575	55	5,926	28	2,184	36	20,978	37
Department of Infectious and Tropical Diseases, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	2,95	2,006	61	3,387	46	1,536	38	13,387	51

organization unit (in alphabetical order)	total positions of academic staff	BIB converted	BIB standing per position after conversion	SCI converted	SCI standing per position after conversion	IF converted	IF – standing per position after conversion	converted BIB+2x SCI+3xIF per position <sup>1</sup>	total BIB. & IF – standing per position after conversion
Department of Infectious Diseases, First Faculty of Medicine, Charles University and Military University Hospital Prague	8,30	0,994	70	1,882	57	0,476	55	6,185	64
Department of Nephrology, First Faculty of Medicine, Charles University and General University Hospital in Prague	9,20	10,113	18	10,743	14	6,475	10	51,024	12
Department of Orthopaedics, First Faculty of Medicine, Charles University and Military University Hospital Prague	1,60	15,993	9	11,198	12	7,345	7	60,425	7
Department of Otorhinolaryngology, Head and Neck Surgery, First Faculty of Medicine, Charles University and University Hospital Motol	7,45	11,580	14	12,156	11	4,751	14	50,146	13
Department of Plastic Surgery, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	2,05	12,874	13	5,454	31	0,562	52	25,467	33
Department of Occupational Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	4,40	18,398	7	15,632	6	17,334	3	101,663	3
Department of Rehabilitation Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	10,85	3,183	49	0,324	68	0,027	62	3,910	67
Department of Spondylosurgery, First Faculty of Medicine, Charles University and University Hospital Motol	0,60	0,000	74	13,870	7	0,000	63	27,741	28
Department of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital Prague	4,85	26,933	4	10,421	15	11,883	4	83,425	4
Department of Neurology, First Faculty of Medicine, Charles University and General University Hospital in Prague	30,35	11,077	15	13,427	8	9,218	6	65,585	6
Department of Ophthalmology, First Faculty of Medicine, Charles University and Military University Hospital Prague	2,20	25,328	5	0,364	67	0,000	63	26,056	31
Department of Ophthalmology, First Faculty of Medicine, Charles University and General University Hospital in Prague	6,45	4,069	45	2,888	49	1,286	42	13,704	50
Department of Oncology of Charles University – First Faculty of Medicine, and the Thomayer Teaching Hospital	1,00	103,69	1	22,592	2	24,329	1	221,860	1
Department of Oncology, First Faculty of Medicine, Charles University and General University Hospital in Prague	6,15	10,397	17	5,644	29	2,804	23	30,096	24
Department of Oncology, First Faculty of Medicine, Charles University, General University Hospital in Prague and Military University Hospital Prague	0,45	6,862	32	6,410	26	0,000	63	19,683	38

organization unit (in alphabetical order)	total positions of academic staff	BIB converted	BIB standing per position after conversion	SCI converted	SCI standing per position after conversion	IF converted	IF – standing per position after conversion	converted BIB+2x SCI+3xIF per position <sup>1</sup>	total BIB. & IF – standing per position after conversion
Department of Orthopaedics, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	4,65	7,996	25	4,183	42	3,195	19	25,948	32
Department of Orthopaedics, First Faculty of Medicine, Charles University and University Hospital Motol	7,55	5,575	35	9,607	17	2,193	35	31,370	23
Department of Paediatrics, First Faculty of Medicine, Charles University and Thomayer Hospital	2,30	0,373	71	0,246	69	0,000	63	0,866	73
Department of Respiratory Medicine, First Faculty of Medicine, Charles University and Thomayer Hospital	2,30	36,253	3	8,143	21	2,431	32	59,832	8
Department of Psychiatry, First Faculty of Medicine, Charles University and General University Hospital in Prague	19,78	8,111	23	10,891	13	2,570	30	37,605	19
Department of Radiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	6,35	8,677	22	7,090	24	5,845	11	40,391	18
Department of Rheumatology, First Faculty of Medicine, Charles University and Rheumatology Institute	4,00	40,782	2	54,265	1	23,499	2	219,808	2
Institute of Sexology, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,30	10,849	16	5,361	32	3,944	16	33,404	21
Department of Stomatology, First Faculty of Medicine, Charles University and General University Hospital in Prague	26,65	4,200	42	3,655	44	1,399	40	15,706	46
Department of Urology, First Faculty of Medicine, Charles University and General University Hospital in Prague	6,30	8,696	21	9,228	20	5,577	12	43,884	16
Institute of Biophysics and Informatics, First Faculty of Medicine, Charles University	17,05	5,356	37	2,068	56	2,934	21	18,295	41
Institute of Biochemistry and Experimental Oncology, First Faculty of Medicine, Charles University	17,55	1,879	63	3,926	43	1,201	45	13,334	52
Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague	36,45	5,311	38	4,189	41	2,767	24	21,990	35
Institute for History of Medicine and Foreign Languages, First Faculty of Medicine, Charles University	15,90	1,103	68	0,138	71	0,000	63	1,380	70
Institute of Histology and Embryology, First Faculty of Medicine, Charles University	13,00	2,208	59	1,144	60	1,486	39	8,954	61
Institute for Medical Humanities, First Faculty of Medicine, Charles University	8,30	1,402	64	0,668	63	0,000	63	2,737	69
Institute of Hygiene and Epidemiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	8,80	9,726	19	4,949	35	2,845	22	28,161	27

organization unit (in alphabetical order)	total positions of academic staff	BIB converted	BIB standing per position after conversion	SCI converted	SCI standing per position after conversion	IF converted	IF – standing per position after conversion	converted BIB+2x SCI+3xIF per position <sup>1</sup>	total BIB. & IF – standing per position after conversion
Institute of Immunology and Microbiology, First Faculty of Medicine, Charles University and General University Hospital in Prague	28,35	4,102	44	3,554	45	2,668	27	19,214	39
Institute of Clinical and Experimental Haematology, First Faculty of Medicine, Charles University and Institute of Haematology and Blood Transfusion	2,20	4,790	39	7,488	23	2,631	29	27,660	29
Institute of Medical Biochemistry and Laboratory Diagnostics of Charles University - the First Faculty of Medicine, and the General University Hospital	32,00	5,778	33	9,698	16	2,738	25	33,388	22
Institute of Nuclear Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	4,80	2,572	56	0,565	64	0,762	50	5,990	65
Institute of Pathological Physiology, First Faculty of Medicine, Charles University	27,95	2,053	60	4,328	39	2,487	31	18,171	42
Institute of Pathology, First Faculty of Medicine, Charles University and General University Hospital in Prague	12,40	7,875	27	2,333	52	2,211	33	19,175	40
Institute of Radiation Oncology, First Faculty of Medicine, Charles University and Na Bulovce Hospital, Prague	1,35	4,337	40	5,633	30	0,000	63	15,604	47
Institute of Forensic Medicine and Toxicology, First Faculty of Medicine, Charles University and General University Hospital in Prague	7,40	5,442	36	5,216	33	3,552	18	26,528	30
Institute of Physical Education, First Faculty of Medicine, Charles University	11,50	0,000	74	0,000	72	0,000	63	0,000	75
Institute of Sports Medicine, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,15	1,155	66	4,439	38	0,082	61	10,280	58
Institute of Nursing Theory and Practice, First Faculty of Medicine, Charles University	7,75	3,510	47	0,000	72	0,000	63	3,510	68
Institute of Scientific Information, First Faculty of Medicine, Charles University and General University Hospital in Prague	3,50	1,057	69	0,000	72	0,000	63	1,057	71
Institute of Public Health and Medical Law, First Faculty of Medicine, Charles University	6,90	2,757	53	0,185	70	0,390	57	4,297	66
Institute of General Practice, First Faculty of Medicine, Charles University	3,30	25,083	6	2,086	55	0,000	63	29,254	26

For the purpose of conversion of sums of the points gained by particular organization units to job positions, the totals of positions only include academic positions (professors, associate professors, assistant professors, assistants and lecturers), participating in scientific activities. The positions are meant as yearly averages.

Note 1 – BIB/SCI/IF have been weighted in the total as 1:2:3 respectively (as decided by the Scientific Board of the Faculty on 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.

\* On 1<sup>st</sup> October 2016, this unit merged with the Institute of Cellular Biology and Pathology.

## DEVELOPMENT OF PUBLISHING ACTIVITY IN JOURNALS WITH IF

### ARTICLES IN JOURNALS WITH THE HIGHEST IF IN 2017, IN WHICH THE STAFF OF THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY PUBLISHED

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

IF 2017	Total number of publications with participation of authors from the Faculty	Number of publications where the author from the Faculty is at the first or last place or is the corresponding author
20.000–79.258	18	1
15.000–19.999	13	2
10.000–14.999	36	3
8.000–9.999	14	3
7.000–7.999	16	4
6.000–6.999	17	7
5.500–5.999	16	10
5.000–5.499	31	8
<b>Total</b>	<b>161</b>	<b>38</b>

Number of publications in journals with impact factor – 2015–2017

INTERVAL IF	2015			2016			2017		
	primary	synoptic	total	primary	synoptic	total	primary	synoptic	total
60.000–79.999	0	0	0	0	0	0	3	0	3
50.000–59.999	3	0	3	0	0	0	4	0	4
40.000–49.999	0	0	0	3	0	3	1	0	1
30.000–39.999	3	0	3	5	0	5	0	0	0
20.000–29.999	5	0	5	5	0	5	8	2	10
15.000–19.999	6	0	6	12	0	12	11	2	13
10.000–14.999	16	1	17	16	1	17	30	5	35
9.000–9.999	5	1	6	4	0	4	1	0	1
8.000–8.999	6	0	6	1	2	3	8	1	9
7.000–7.999	8	1	9	18	1	19	14	0	14
6.000–6.999	6	2	8	14	1	15	15	2	17
5.000–5.999	30	2	32	31	2	33	40	3	43
4.000–4.999	31	4	35	55	6	61	58	6	64
3.000–3.999	103	18	121	85	8	93	71	6	77
2.000–2.999	114	16	130	131	17	148	119	17	136
1.000–1.999	128	16	144	112	18	130	141	26	167
0.001–0.999	65	10	75	78	16	94	57	6	63
<b>Total</b>	<b>529</b>	<b>71</b>	<b>600</b>	<b>570</b>	<b>72</b>	<b>642</b>	<b>581</b>	<b>76</b>	<b>657</b>

## HIRSCH INDEX OF AUTHORS FROM THE FIRST FACULTY OF MEDICINE OF CHARLES UNIVERSITY 2012–2018

(numbers of authors who achieved the value of h-index  $\geq 5$ )

H-index	2012	2013	2014	2015	2016	2017	2018
70–79	0	0	1	1	1	1	1
60–69	1	1	0	0	0	1	0
50–59	0	1	1	1	1	0	0
40–49	2	1	1	2	3	4	8
30–39	4	8	9	13	13	14	19
20–29	19	22	25	27	39	42	56
15–19	31	46	45	50	57	70	91
10–14	102	109	124	141	156	172	188
5–9	261	287	318	308	362	390	419

H-index – authors from the First Faculty of Medicine who achieved  $h \geq 8$  in 2018

Autor	H-index	Autor	H-index	Autor	H-index
Městecký, Jiří	70	Sedmera, David	27	Hanská, Hana	21
Prchal, Josef	49	Vítek, Libor	27	Horáková, Dana	21
Pavelka, Karel	47	Kmoch, Stanislav	26	Kolářová, Libuše	21
Martásek, Pavel	46	Masařík, Michal	26	Králová, Jarmila	21
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*PhDr. Hana Skálová  
Head of the Institute of Scientific Information  
of the First Faculty of Medicine of Charles*

### INSTITUTE OF SCIENTIFIC INFORMATION OF THE FIRST FACULTY OF MEDICINE

As a joint institution of the First Faculty of Medicine and the General University Hospital, the Institute of Scientific Information provided services in 2018 in order to meet the requirements of all categories of to the maximum scope and level of quality. All the activities, services and scope of services of the Institute are presented at its web pages as well as through social webs. By 31<sup>st</sup> December 2018, as many as 6,559 users were registered; of whom 890 were University staff and students, another 4,937 undergraduate and graduate students of the Faculty, 418 Faculty staff members, 52 General University Hospital staff members, 212 users from among general public and 50 fellows on study placement.

The Institute is directed by the Dean of the Faculty, who delegates some of the power to the Vice-Dean for Scientific Activities. On 30<sup>th</sup> September 2018, Prof. MUDr. Aleš Žák, DrSc. ended his service at the vice-dean post. As his successor, Assoc. Prof. MUDr. Pavel Klener, Ph.D. was appointed on 1<sup>st</sup> October 2018. We owe many thanks to Prof. Žák for excellent co-laboration, and we wish Assoc. Prof. Klener a lot of energy and staying power at the new stage.

#### **LIBRARY**

The principal part of the Institute of Scientific Information is the specialized public access library, whose basic task is securing the study literature, above all in the classic printed form. Although electronic textbooks and e-books are an important part of the offer, their use is more or less just complementary – the classic printed textbook is and will long be indispensable. Electronic textbooks and e-books in general are rather used in professional practice and by international students, but also for language study by Czech students. As for e-books in Czech language, no breakthrough was seen in 2018 and the development is still slow. The process of creation and production of Czech e-books is very demanding in terms of finance, considering the target group of users, which is not so numerous as that of publications in English.

The acquisition plan, i.e. the list of publications to complete and enrich the library collection, is being compiled continuously in co-operation with organization units of the Faculty, and based on authors' recommendations and students' requests. Constant observation of printed as well as electronic production of publishing houses and other producers is a *sine qua non*. A principal asset was the allotting of financial resources under the programme Call # 02\_17\_044 – Support of study settings at university-level schools, amounting up to 2.425 million Czech crowns. This enabled – beyond the regular budget – a generous purchase of basic study literature. In this respect, 2018 was a unique year. Thanks to that intervention, the library of the Institute of Scientific Information offers the widest choice of study literature of all medical libraries at Charles University.

The total number of library operations performed in 2018 was 118,506 (46,679 items loaned, 71,827 loans prolonged).

The library is daily visited by 500 users on average (loans, reference services, study room, MyQ printing system, copying, scanning). In the study room, 134 standard seats are available to registered users, plus 12 seats at desktop computers to enable studying e-books and other e-resources. The study room is open for 54 hours a week and the average daily occupation rate is above 90 per cent.

Interlibrary loan services (MVS, MMVS) are still much requested. The library staff provide both printed and electronic documents that are not available at the Institute of Scientific Information from similar libraries and information institutions throughout the country as well as abroad. In 2018, they met more than 2,100 orders, which is more than the 2017 figures as well.

The activity of the Central Library of Charles University and all faculty libraries is provided by the updated Library Regulation of Charles University – the Rector's Order # 51-2018, valid since 15<sup>th</sup> November 2018, which includes a supplement concerning GDPR (General Data Protection Regulation) as well. Under this regulation, the Institute of Scientific Information compiled a new Dean's Order, providing the Operation Rules and Loan Rules for the library, which fully respects the GDPR requirements in all spheres of services that the Institute performs, including a unified loan matrix.

#### SECTION OF LIBRARY COLLECTION MANAGEMENT

The current (already revised) library collection held at the departments and institutes was still undergoing gradual re-cataloguing in 2018. It is only the staff of the Institute of Scientific Information that has been performing this task. During 2018, the total number of 4,406 library items (monographs and series of periodicals) were processed. To date, collections of 19 branch libraries (out of 46) have been completely processed.

#### section of processing of historic library items

The section of historic library items performs systematic professional processing of the collection of the Institute for History of Medicine and Foreign Languages of the First Faculty of Medicine, which involves arrangement of the collection, its complete cataloguing, cleansing and treatment, and subsequently appropriate keeping of each volume in a special "tailored" box of non-acidic cardboard.

Our cataloguing of the historic collection is systematically focused on provenance research whose purpose is identification of book collections that subsequently became part of the collection of the First Faculty of Medicine of Charles University. This will enable reconstruction of particular rare book collections that may have belonged, for example, to some famous physicians who were active at the Faculty and in the Hospital. The data obtained can be distinctly visualized, using the available "digital humanities" modules, and thus not only the uniqueness of the given books but also their links to their famous former owners, which will allow specialists as well as the public to learn more about the famous tradition of our Faculty. Creating the data, we respect the rules of description for provenance records, as set by the Provenio project. During 2016, large format publications were processed as described, in 2017 the 16<sup>th</sup> century prints were catalogued, and in 2018 this activity was concentrated on publications printed in the second half of the 17<sup>th</sup> century.

In 2018 we offered our services, such as cataloguing and restoration of old prints, to the institutes and departments of the Faculty and the General University Hospital. The work is in progress at the Institute of Histology and Embryology, and co-operation started with the Institute of Anatomy, where we arrange and record the unique collection of manuscripts, above all documents of the late 19<sup>th</sup> century kept at the Institute. In 2018, also the list of manuscripts kept in the historic collection of the Institute for History of Medicine and Foreign Languages was completed. Results of the survey were presented at the professional conference *Bibliotheca Antiqua*, organized by the Scientific Library in Olomouc on 28<sup>th</sup> and 29<sup>th</sup> November 2018. Thus we popularize not only the activity of our section but also the richness of the Faculty's historical collection.

Processing of the scanned library items is performed in the ProArc productive and archiving system. Subsequently the titles are displayed in the Faculties digital library *Bibliotheca Facultatis Medica Prima* in the *Kramerus* system (*kramerus.lf1.cuni.cz*). We co-operate with the Register of Digitalization of the National Library of the Czech Republic ([www.registrdigitalizace.cz](http://www.registrdigitalizace.cz)) where we report new acquisitions and/or plans of digitalization. This is to avoid duplication of the work. In 2018 we opened access to old prints and rare titles that are not subject to the copyright law from the funds of the above mentioned institutes and departments as well as the first yearly volumes of the medical journal *Sborník lékařský* (1887-1898).

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

The Section of Reference Services and Management of E-resources is in charge of complete management of electronic information resources, i.e. the agenda of licences, parameters of access, solution of technical problems, information about the resources offered etc. At the time, in 2018, we offer access to more than 70 licenced resources available – bibliographic, full-text and general reference data bases, collections of e-journals and e-books.

The web pages of the Institute – <http://uvi.lf1.cuni.cz/e-zdroje/> – provide a simple and clear presentation of all e-resources that are available at Charles University. The Department also offers literature search services from purchased resources. Work with e-resources is, by the way, included in tuition of all accredited non-medical study programmes where the Institute of Scientific Information participates and is the topic of special seminars for postgraduate students as well as the Faculty staff members interested.

Statistics of visits to electronic information resources markedly increase year by year and e-journals have become the standard. The possibility of remote access and long-term promotion of electronic information resources contribute to their high use too.

Last year the Institute of Scientific Information concentrated on co-ordinating activities among medical faculties of Charles University within the University's membership in the national project *CzechELib* (CEL). An agreement was reached to secure collection of the necessary e-resources for medicine. Charles University as a whole is a member of the national consortium for

purchase of e-resources, organized by the National Technical Library in Prague. Licence agreements (and therefore the prices) have been negotiated until 2020 inclusive, and all previous subsidy support ended by 31<sup>st</sup> December 2017.

#### The resources are divided into 2 groups:

- **core resources** (e.g. Web of Science), co-financed by Charles University and the faculties;
- **branch resources** – particular faculties of Charles University pay their share each, calculated according to FTE (Full-time equivalent i.e. the number of students and academic and/or educational staff).

In the past years, the branch resources for medicine were financed from the development programme of the Central Library of Charles University, which was ended by 31<sup>st</sup> December 2017. Therefore, a new situation arose for the medical faculties of Charles University, involving sharing the costs of financing the branch resources by all the medical faculties. The financial requirements to the First Faculty of Medicine are very high, considering the size of the school and the calculated number of potential users – the FTE parameter. Nevertheless, we managed to negotiate the share of financing at a considerably lower level. It has always been an established good habit that all medical faculties observed some co-ordinated acquisition of the branch resources, and this was traditionally done in 2018 as well.

#### Section of Bibliographic Recording of Publishing Activities and Evaluation of Scientific Work at the First Faculty of Medicine K

This Section performs all the tasks connected with collection and processing of the publishing activities in accordance with the Rector's Order number 31/2017 – Record of results of creative activities. The data is further processed for the Faculty's purposes and then reported to registers of the superior institutes. It also serves for internal evaluation of scientific activity. The Section also takes part in preparation of a new system of evaluation of scientific work at Charles University.

Collection of the data on published works of the authors from the First Faculty of Medicine as well as the General Teaching Hospital (with one common data base for the two institutions) is performed through the OBD centralized university system. At the time, the system includes 330,650 records from whole Charles University, of which 60,061 were the domain of the First Faculty of Medicine (the figures are given by 31<sup>st</sup> December 2018).

Throughout the year, continuous collection of records issued in 2018 was performed. By themselves, the staff of the Institute of Scientific Information enters bibliographic information into the OBD system, above all the data on publications recorded in the Web of Science data base. They enter the records from Czech periodicals and books as well. The authors' obligation to precisely give their allegiance to the University, or rather Faculty and/or Hospital, in their publications enables maximum efficiency in excerpting from data bases. Then the authors' task is limited to checking that all their publications are included in the OBD data base and filling in such specific details, required e.g. by the RIV registry, that only the author can give. Particular organization units are asked to secure that at the end of the collecting, i.e. usually before the end of February next year.

At the web pages of the Institute (<http://uvi.lf1.cuni.cz>) in the section Publishing activity, all continuously updated manuals and information necessary for data collection, personal identifiers, agenda of responses in citations, internal evaluation of scientific work and the gradually introduced Methodology 17+ are available. The output of the said evaluation is presented in a survey in the chapter Bibliography of this Annual Report, prepared by the Institute of Scientific Information.

Definite records our authors are available in a public browser at the address [https://verso.is.cuni.cz/cgi/verso.fpl?fname=obd\\_public&public\\_id=1201](https://verso.is.cuni.cz/cgi/verso.fpl?fname=obd_public&public_id=1201). Nevertheless, there is still a lot of demand for export from a data base – surveys of recorded publications for a variety of purposes and in a format of your choice.

#### Open Access

Another agenda that the Institute of Scientific Information is continuously concerned with is open access (OA). For the support, the contact e-mail address [openaccess@lf1.cuni.cz](mailto:openaccess@lf1.cuni.cz) was set up, which enables the publishing authors to send their enquiries concerning the problem area. Much attendance is paid to predator journals/publishers. Thereby the Institute tries to secure verification of the technicalities and guide the author in his/her decision whether the chosen journal or publisher meets the common standards of scientific communication.

Information on the sphere of open access is displayed at the web site of the Institute of Scientific Information – <http://uvi.lf1.cuni.cz/otevreny-pristup> and the issue is also dealt with in tuition of Masters programmes, which is performed by lecturers from the Institute at the Faculty. Within the worldwide Open Access Week 2018, information leaflets were issued in co-operation with the Central Library of Charles University in the week from 22<sup>nd</sup> to 28<sup>th</sup> October to promote open access.

#### VIDEO AND PHOTO SECTION

Activity of the section is focused on creation of video programmes. In 2018, as many as 34 videos were completed and another 5 will be finished in early 2019. Further, 146 short videos that are part of lectures, and a large number of video records of social



events at the Faculty. The response to the work of the section is really positive, and the service is in demand more and more. From the Faculty's resources, the video studio was equipped with a new PC with editing software.

### Education

Since the beginning of 1990s, the Institute of Scientific Information has been taking part in tuition of bachelor and follow-up masters programmes. In 2018, an elaborate system of training in information knowledge and skills at the bachelor level (basics) and masters level (professional and scientific information). For postgraduate students, we in co-operation with the Central Library of Charles University prepared a really successful cycle of seminars called Strategy of work with information with special focus on scientific medical information. This course was much frequented by doctorands from the First Faculty of Medicine of Charles University. This course will be repeated shortened, at the extent of one semester.

### Conclusion

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

## MONOGRAFIE 2018

### SELECTED MONOGRAPHS AND TEXTBOOKS PUBLISHED BY AUTHORS/CO-AUTHORS FROM CHARLES UNIVERSITY – THE FIRST FACULTY OF MEDICINE AT RELEVANT PUBLISHING HOUSES IN 2018

#### Academia

- ČERNÝ, Karel and Sonia HORN. *Plague between Prague & Vienna: medicine and infectious diseases in early modern Central Europe*. Praha: Academia, 2018. 303 pp. ISBN 978-80-200-2851-8.
- KYŠA, Leoš, ed. and Čeněk ZLATNÍK, ed. *Věda kontra iracionalita: 6. sborník přednášek Českého klubu skeptiků Sisyfos*. [Science versus irrationality: 6<sup>th</sup> collection of lectures of the Czech sceptics' club Sisyphos] Praha: Academia, 2018. 194 pp. ISBN 978-80-200-2868-6.

#### Academic Press

- HODES, Matthew, ed. and Susan Shur-Fen GAU, ed. and Petrus DE VRIES, ed. *Understanding Uniqueness and Diversity in Child and Adolescent Mental Health*. London, Academic Press, 2018. 366 pp. ISBN 978-01-281-5310-9.

#### AMCA

- ELIŠKA, Oldřich et al. *Lymfedém: diagnostika a léčba: výukový materiál České lymfologické společnosti ČLS JEP*. [Lymphedema: diagnosis and treatment. Teaching material of the Czech Society of Lymphology] Praha: AMCA, 2018. 171 pp. ISBN 978-80-88214-09-0.

#### Aracne

- CATALANO, Mariella et al. *VAS European book on angiology/vascular medicine*. Roma: Aracne, 2018. 1040 pp. ISBN 978-88-255-1052-2.

#### Axonite CZ

- FRIED, Martin et al. *Moderní trendy v léčbě obezity a diabetu*. [Modern trends in treatment of obesity and diabetes] Mlečice: Axonite CZ, 2018. 136 pp. ISBN 978-80-88046-15-8.
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International Relations of the First Faculty of Medicine are an important part in the life of the Faculty and are based on its principles of openness and promotion of prestige. The teacher and student exchange within their studies and particularly international co-operation in the sphere of science enrich the life of the Faculty and bring new stimuli and impulses. International co-operation in 2018 was at a high level in terms of both quantity and quality. The Faculty, above all, focuses on promotion of quality of international relations and deepening the contractual connections made before, actively promoting exchange of undergraduate and postgraduate students and mobility of teachers and other academic staff. The main objective is development in the sphere of science and education, where co-operation with prestigious universities abroad allows us to obtain new worthy experience and knowledge. Really high is, for instance, the dynamics in international contacts of particular institutes and departments and their representatives. Our partners abroad include a great number of universities and scientific institutions not only in Europe but also in the USA, Australia, Mexico and Latin America.

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

## INTERNATIONAL STUDENT EXCHANGE AND STAYS ABROAD

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

The Erasmus+ programme (2014–2020) merged the previous programmes such as Comenius, Erasmus, Erasmus Mundus, Leonardo da Vinci and Grundvig in 2014. This programme is divided into three key activities: Educational mobility (KA 1), Strategic partnerships (KA 2), Support for reforms of educational policy (KA 3). Newly, partnerships between providers of education and businesses have occurred. 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 master study programmes.

In the calendar year 2018, 81 our students travelled abroad under the ERASMUS programme. The Faculty still enjoys keen interest of international students, as 113 of them arrived. The programme also enables mobility of academic staff. Nine staff members travelled abroad for training courses at our partner institutions.

Since 2015, a new type of mobility has been in existence within the ERASMUS+ programme, called International Credit Mobility. This means the possibility of taking individual mobility for students and employees beyond Europe. If the given university is successful in application for the grant, the mobility can be implemented for 16–24 months. This new activity offers the chance for bilateral exchange of both students and staff – study stays for postgraduate students from 3 to 12 months, and mobility of scientific staff and post-docs from 5 days to 2 months. In 2015, the Department of Rehabilitation Medicine responded to the first call, applying for co-operation with the Tel Aviv University, Sheba Medical Center. Two students of Occupational therapy took the three-month study placement, and one of the employees travelled as well. Professor Švestková, in turn, admitted 4 staff members for a 2-week placement. We continue the co-operation further, and more places for mobility are being prepared.

Exchange with Swiss universities is performed under the Swiss-European Mobility Programme, which replaced the Erasmus programme in 2014. In 2018, our Faculty sent three students to Switzerland.

One foreign student was admitted at the First Faculty of Medicine as a “free mover”, while 25 students of the Faculty travelled abroad the same way, up to one half of their travel costs being covered from the Mobility Fund. So far, this form of student exchange has been encountering the law problem of recognition of the student status beyond European exchange programmes, and this causes problems in the sphere of communication with patients. Therefore, the Faculty prepared a draft contract to enable these students to take stays for the sphere of theoretical training, and at a time to provide them – at least to some extent – legal as well as insurance protection.

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, 67 students were admitted, while 73 students travelled abroad. They travelled not only to European countries but also overseas. The most frequent destinations included Mexico, Indonesia, Sri Lanka and Kenya.

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

The 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 2018

Programme	Outgoing students	Incoming students
Erasmus	120	113
European Swiss Mobility	3	1
IFMSA	73	67
Free movers	25	1
International Visegrád Fund	–	–
CEEPUS	1	1
Inter-university agreements	–	1
Faculty agreements	–	–

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



Institutions abroad, contractual co-operation with whom started in 2018

<b>Title of institution</b>	<b>Country</b>	<b>Co-operating unit of the Faculty</b>
Catholic University in Ružomberok	Slovak Republic	ERASMUS – field Physiotherapy
Okayama University Medical School	Japan	First Faculty of Medicine, Charles University
Università Degli Studi di Bari Aldo Moro	Italy	ERASMUS – field General Medicine



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

The main goal of the Communication Department is promotion of the educational, scientific and research activities of the Faculty as well as communication with its students and staff. In 2018, the Department continued widening the scope of activities addressing the media, towards potential prospective students and public.

### MEDIA AND PR

In 2018, the Communication Department continued its wide co-operation with the media, successfully making the journalists aware of affiliation of particular departments and their staff to the Faculty, deepened collaboration with PR of the teaching hospitals that include our training bases, regularly co-operated with the science department of the Czech TV, their Studio 6 and newsroom staff, and strengthened the collaboration with the Czech Press Agency as well as with other media interested in science and/or education (e.g. Novinky.cz).

The Communication Department, independently or in collaboration with partners, organized press conferences and issued a fair number of press releases to present research and scientific achievements of both teachers and students, rewards won by our specialists etc. The communication project MEDialogy, promoting communication between the Faculty and the media, continued successfully. In September 2018, the first printed number of the journal *Jednička* [Number One] appeared, which is now issued five times a year.

Together with students, the Department again organized presentation of the Faculty at several festivals, such as Prague's Healthy Teeth, two musical festivals, Prague Museum Night, World Health Day, and above all the all-day national celebration of the 100<sup>th</sup> birthday of Czechoslovakia – the festival First Republic.

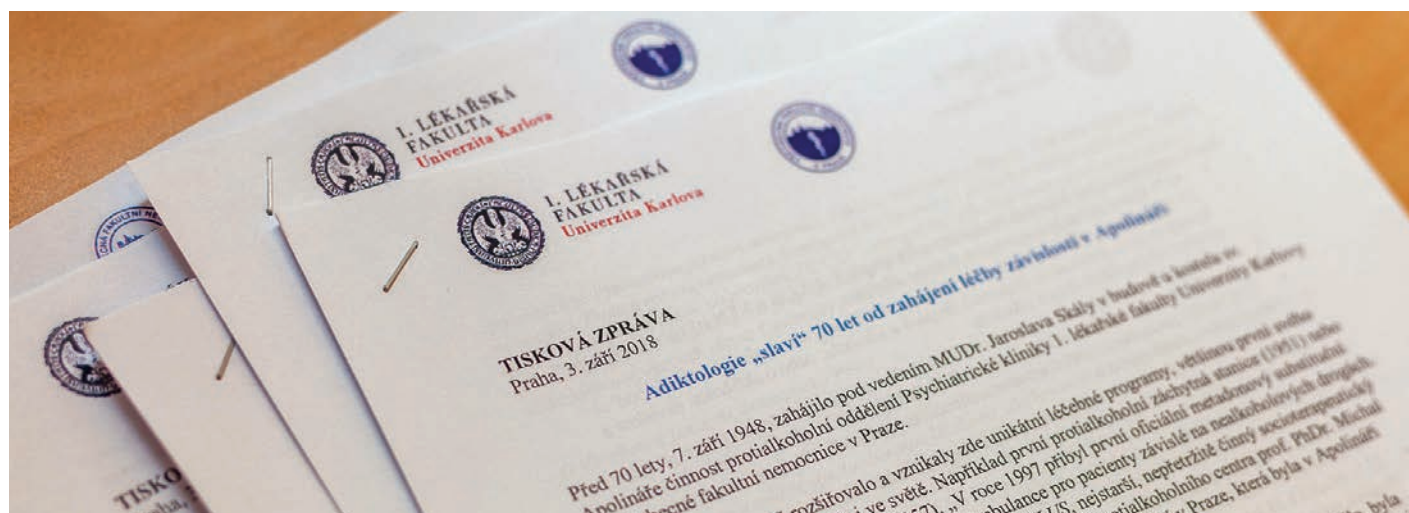
#### SELECTIVE LIST OF PRESS CONFERENCES:

- First Faculty of Medicine of Charles University and AGEL – together in practice and science (16 Jan 2018)
- PragueONCO 2018: Unique therapy for a unique patient (23 Jan 2018)
- Physicians missing. Will the government improve financing of medical faculties? (27 Feb 2018)
- On planned amendments to Act 65-2017 Coll., known as "Anti-smoking Act" (9 Apr 2018)
- Changes in tobacco smokers' behaviour following adoption of "Anti-smoking Act" (10 May 2018)
- Radiosurgical device for complex therapy of patients with brain tumours (17 July 2018)
- Addictology commemorates 70th anniversary of treatment for dependences at St. Apollinaris (3 Sep 2018)
- Metastasing as the goal of therapy? First Faculty of Medicine of Charles University as the world leader! (16 Oct 2018)
- Burnout in general population and in specific professions (11 Dec 2018)

#### SELECTIVE LIST OF PRESS RELEASES:

- First Faculty of Medicine of Charles University to open for public in January (2 Jan 2018)

- First Faculty of Medicine of Charles University supporting terminally ill children on their way home (1 Feb 2018)
- Experimental research at First Faculty of Medicine to assist treatment for lymphedema (22 Feb 2018)
- Physicians missing. Will the government improve financing of medical faculties? (27 Feb 2018)
- Czechs discover new gene causing diseases of retina (5 Mar 2018)
- Brain to Number One (9 Mar 2018)
- Scientists at First Faculty of Medicine precise our knowledge of brain again (10 Apr 2018)
- Future dentists to advise about healthy teeth and no fear (16 Apr 2018)
- Scientists at First Faculty of Medicine aiming at allergens that may be dangerous for lungs (17 May 2018)
- Scientific describe development of type B hepatitis in past 4,000 years (21 May 2018)
- Museums' night – First Faculty of Medicine to open anatomic and dental collections, and to offer stories of forgotten Nobel Prize laureates (4 June 2018)
- Through blood plasma research to faster finding of pancreas carcinoma (19 June 2018)
- Rockers enjoy medicine and prevention (28 June 2018)
- St. Apollinaris Maternity Hospital receives first Bachelor graduates in midwifery (23 June 2018)
- How to treat thyroid carcinoma in expecting mothers? It can be done after childbirth too (30 July 2018)
- Grand style celebration of Republic at Vyšehrad! (6 Sep 2018)
- Secondary school leavers having fun with biology or chemistry thanks to workshops at the First Faculty of Medicine (26 Sep 2018)
- Novelties in entrance procedures for medical studies (22 Oct 2018)
- Physicians from First Faculty of Medicine acknowledge for better diagnosis of liver cirrhosis (12 Nov 2018)
- Award for assets to world neuropsychology – first time for a Czech scientist (3 Dec 2018)
- First Faculty of Medicine of Charles University to welcome public (28 Dec 2018)



### CO-OPERATION WITH THE MEDIA

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

### MEDIALOGY PROJECT

The Department organized another two events of the communication project called MEDialogy (with the subtitle "Dialogues about medicine – not only with the media") as a cycle of discussions with prominent specialists from the Faculty and elsewhere, intended for the academic community, public and the media. The topics discussed were *Lack of teachers of medicine in Czechia* and *Food intake disorders in Czechia*. Both events met a positive response from the visitors and attract the interest of the media.

**Lack of teachers of medicine in Czechia** (27 Mar 2018) – Is the prestige of teachers' profession fading? Is the lack of educators felt in all medical fields? Where is the situation worst? How do Czech medical faculties fight the lack of teachers? To what extent can the teacher be replaced by software and e-learning? How are medical faculties managing to get extra finance? What is the role of the state? What is the position of medical schools in the world? These and other topics were discussed by Prof. MUDr. Aleksi Šedo, DrSc., the Dean of the First Faculty of Medicine of Charles University and Chairman of Association of Medical Faculties of the Czech Republic; Prof. MUDr. Martin Bareš, Ph.D., Dean of the Medical Faculty of Masaryk University and Vice-chairman of Association of Medical Faculties of the Czech Republic; Prof. MUDr. Karel Smetana,



DrSc., the Head of the Institute of Anatomy of the First Faculty of Medicine of Charles University; and MUDr. Lukáš Lacina, Ph.D., Associate professor of the Institute of Anatomy and the Department of Dermatovenereology of the First Faculty of Medicine, Charles University, and the General University Hospital in Prague.

**Food intake disorders in Czechia** (20 Nov 2018) – Are food intake disorders developing concurrently with the development of modern society? How many patients are treated for these disorders in the Czech Republic at the time? Is the number of in-patients growing? How does the family history or life style influence the illness? Can these diseases be prevented? Does overall prevention or education as early as at basic schools make sense? What scientific research topics are the hottest now and which of them are dealt with by experts from the First Faculty of Medicine of Charles University? These and other questions were answered by discussed by Prof. MUDr. Hana Papežová, CSc., the principal of the Dependence Treatment Centre of the Department of Psychiatry of the First Faculty of Medicine, Charles University, and the General University Hospital in Prague; Mgr. Jan Kulháněk, the clinical psychologist and psychotherapist from the Anděl Clinic in Prague; and Assoc. Prof. MUDr. Libuše Stárková, CSc., from the Department of Psychiatry of the Medical Faculty of Palacký University and the University Hospital in Olomouc

### MONITORING OF THE MEDIA

The Communication Department carried on the established system of monitoring the media outputs about the Faculty and providing the information to our staff – with daily news accessible on the intranet, and selective weekly surveys distributed through newsletter to the selected e-mail addresses. In 2018 the agency Newton Media, which ensures the daily monitoring of the media for the Faculty, recorded more than 3,500 media outputs.



### THE JOURNAL JEDNIČKA

In 2018, as many as five numbers of the Faculty Journal Jednička [Number One] occurred. The first three numbers only came in the electronic version but another two (from the beginning of the academic year 2018-2019) in the printed form as well. Apart from the traditional communication between students and teachers, the journal also provides feedback for the Faculty management and now as a tool for secondary school students interested in studies at the Faculty too. Publications on study placements abroad add the international dimension, and eventually the journal serves for communication with Faculty's graduates and members of the Alumni Club. Among other, the Faculty presents professional, scientific and research activities of its teachers and students, introduces the readers into the history of its particular units and invites them to the events organized by the Faculty. Circulation of the journal is 2,000 copies and it is distributed to all units of the First Faculty of Medicine, General University Hospital, Military University Hospital, Thomayer Hospital, Na Bulovce Hospital, University Hospital Motol, and to Faust House.

### FUNDRAISING

Thanks to systematic addressing potential contacts of the First Faculty of Medicine, the Communication Department in its fundraising activities managed to raise CZK 100,000 from the Veolia company for an interactive workshop for secondary schools. For the Student Scientific Conference, another CZK 100,000 were raised from the Sanofi company. Nearly one million Czech crowns were raised by the Communication Department in co-operation with other units of the Dean Office from sponsors and contacts for the 130<sup>th</sup> Medics' Prom Ball. One traditional contact was, for instance, the spa company Léčebné lázně Mariánské Lázně, and as a new golden partner, the Agel company supported the event.

## FESTIVALS

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

**Brain Week (13 Mar 2018)** – The First Faculty of Medicine of Charles University joined the festival Brain Week 2018 through the interactive exhibition Brain Number One, which took place on 13<sup>th</sup> March 2018. Aided by doctors and medical students, the visitors could explore the functions of the most sophisticated organ of the body at close range or even “in the flesh”.

**Prague Museum Night (9 June 2018)** – The 15<sup>th</sup> Prague Museum Night on 9<sup>th</sup> June 2018, which was also held at the First Faculty of Medicine, met unprecedented interest despite of the bad weather! Apart from conducted tours of the Anatomical Museum and Dentistry Museum, the Faust House was open to visitors. In addition, in all the buildings there was a rich programme for both children and adults, including the lecture afternoon at the Institute of Anatomy.

**Rock for People (4<sup>th</sup> to 6<sup>th</sup> July 2018)** – Students and young graduates again entertained and taught the visitors of the festival Rock for People through interactive workshops. Prospective doctors from the Faculty as well as their more experienced colleagues demonstrated the basic first aid including external heart compression, measured blood pressure and levels of alcohol or glucose in blood. The visitors could test the device called “alcoglasses”, which simulates the feeling of drunkenness, or the smokerlyzer, which quantifies the contents of CO in the exhaled air.

**Festival First Republic (15 Sep 2018)** – The Department in co-operation with Charles University organized the whole-day festival at Vyšehrad to celebrate the 100<sup>th</sup> anniversary of the birth of Czechoslovakia. The festival included a fair number of musical events, a presentation of the sports association Sokol, the Czechoslovak Legionaries' Community, Military History Institute Prague, T. G. Masaryk Museum in Rakovník, Military University Hospital Prague or the Club for History of the Red Cross. The First Faculty of Medicine of Charles University presented its history at the times of the First Republic through a photographic exhibition.

## APPLICANTS AND POTENTIAL PROSPECTIVE STUDENTS

### PUBLICITY MATERIALS

The Communication Department updated the set of printed leaflets in modern design, dealing with particular fields of study, both medical and non-medical.

### EVENTS

**Open Day (6<sup>th</sup> January 2018)** – About 1,100-1,200 interested persons visited the Open Day at the First Faculty of Medicine in 2018, which is roughly the same number as in the years before. The visitors obtained information not only about the study programmes and novelties in the entrance procedures but also about student life, and they could explore several selected units of the Faculty.

**Number One for a trial (7<sup>th</sup> June 2018)** – On 7<sup>th</sup> June 2018, the sixth annual Number One for a trial saw nearly 150 school leavers. This event, meant for successful applicants for studies in General and Dental Medicine who had been admitted to study at the Faculty without entrance examination thanks to their excellent grades at secondary schools, again attracted school leavers from all over the Czech Republic. Nearly 20% of the visitors came from Prague and 15% from the region of Central Bohemia. Three quarters of the visitors had placed applications at other medical faculties as well, and about 40% had also considered studies of non-medical profile.

**Gaudeamus fairs** – The Communication Department together with students promoted the First Faculty of Medicine of Charles University took part in trade fairs of tertiary and life-long education Gaudeamus in Prague (22<sup>nd</sup> to 24<sup>th</sup> January 2018) and in Brno (23<sup>rd</sup> to 26<sup>th</sup> October 2018).

**Interactive workshops for secondary schools** – In 2018, the project of interactive workshops for secondary school students was launched. 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), 16 courses for approximately 200 secondary school students and their teachers from 12 grammar schools and other secondary schools from all over the country.

**Presentations by students of the Faculty at their home secondary schools** – The project was launched by the Communication Department in December 2018 by sending e-mails to address the students who had won a bursary for outstanding academic achievement and inviting them to represent the First Faculty of Medicine at their home secondary schools. About 300 students were addressed, of whom about one tenth responded positively, and some more students joined in as they learned about the possibility of representing the Faculty.

## INTERNAL COMMUNICATION

### FIRST FACULTY OF MEDICINE ALUMNI CLUB

In 2018, the Alumni Club of the First Faculty of Medicine of Charles University had about 950 members, including ca 50 members from abroad.

On 21<sup>st</sup> April 2018, the Golden Graduation ceremony for those alumni who graduated 50 years ago, i.e. in 1968, took place at Karolinum. For the second time, the First Faculty of Medicine joined this solemn event with 40 of its “golden graduates” and their families.

At the premises of the Purkinje Building at Albertov, another reunion of alumni of the First Faculty of Medicine was held on 27<sup>th</sup> October 2018. This event also included a visit to the Institute of histology and Embryology, SIM Centre at the Institute of Physiology, and the Institute of Pathology in the Hlava Building.

The Communication Department sends out regular newsletter to the club members to inform them about interesting and important events at the Faculty.

### BONUSES

The Communication Department extended its two programmes with bonuses for students, staff and alumni of the Faculty.

**MEDIKARTA** – The objective of the project is to grant bonuses for the students, staff and teachers in some businesses in the area and beyond. The still most popular bonuses include discounts on coffee and refreshments (CrossCafe, By the By, Bao Bao), discounts on Lavenda brand medical outfits or discounts on cultural events (Jazz Club Reduta, Švandovo divadlo).

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

### PRINTED MATERIALS

In 2018, 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 proceedings of the Student Scientific Conference, which occurred in a new graphic design. Also updated were the information leaflets on particular study programmes (medical as well as non-medical) and the brochures Erasmus Student's Guide, First-year Student's Guide and Graduate's Guide.

### PROMOTIONAL MERCHANDISE

In the past year, the Communication Department again offered several items of promotional merchandise with motifs of the Faculty, such as water bottles, which come in three colours, tin mugs with three various claims, available in three various colours too. Further, new Faculty t-shirts came in four different versions – the logo at the front or back, and the colour black or white. The last hot novelty is the Faculty fun socks in three versions – in pink, blue or classic white colour.

The merchandise is still available via the e-shop at the web pages of Alumni 1. LF UK, with the options of collecting at the cash office of the Faculty in the building of the Dean Office or mailing.

### PRESENTATIONS OF NEW BOOKS

In 2018, the Communication Department also took part in organization of presentations of publications by specialists from the Faculty, which were held in Faust House or at the New Town Hall. The book presented at such events included the following:

- Š. Svačina, P. Kasal, *Encyklopedie zdravotnického humoru* [Cyclopaedia of health humour] (10 Jan 2018)
- C. Povýšil, *Patomorfologie chorob kostí a kloubů* [Pathomorphology of bone and joint diseases] (18 Jan 2018)
- L. Zlatohlávek a kol., *Interna pro bakalářské a magisterské obory*  
[Internal medicine for bachelor and master branches] (1 Mar 2018)
- T. Büchler a kol., *Speciální onkologie pro přípravu ke zkouškám i pro každodenní praxi*  
[Special oncology for exam preparation and everyday practice] (10 Apr 2018)
- H. Papežová, *Anorexie, bulimie a psychogenní přejídání* [Anorexia, bulimia and psychogenic overeating] (18 Sep 2018)
- J. Švihovec, *Farmakologie* [Pharmacology] (30 Nov 2018)
- O. Eliška, *Lymfologie* [Lymphology] (12 Dec 2018)
- M. Retková: *Křeslo pro Fausta 2018* [Chair for Faust 2018] (12 Dec 2018)

### EVENTS

**Charity diaries and calendars** – In 2018 again, charity diaries and calendars were designed by student associations at the First Faculty of Medicine of Charles University. From the yield of the sale, the students decided to support the organization Cesta domů [Way Home], in particular care of the terminally ill and dying children. The total yield of the sales was 77,300 Czech crowns.



**130<sup>th</sup> Medics' Prom Ball (11 Jan 2018)** - In the Žofín Palace, the Communication Department organized the special jubilee medics' ball with an extended programme, including a festivity video mapping on medicine and the Faculty.

**Jednička na startu [Number One Starting] (5 Oct 2018)** - At the premises of the Department of Obstetrics and Gynaecology of the First Faculty of Medicine and the General University Hospital, the Communication Department organized this traditional event for both newcomer and older students, also including presentations of activities of student associations and special presentation to launch the charity diaries and calendars.

**Concert from the series Faculty in the Heart of Karlov** - In 2018, two concerts were given, in the church of Assumption of the Holy Virgin and St. Charles the Great at Karlov in April, and in St. Apollinaris church in October 2018.

**Smart Health Hackaton (26–28 Oct 2018)** - The First Faculty of Medicine was the host of the first yearly event of Smart Health Hackaton in the Czech Republic, the contest where programmers, innovators and medics work together to solve problems from medical and health care practice. The Hackathon was supported by several institutions and business corporations, including Škoda Auto Digilab or the technological partner IBM.

### ACADEMIC CLUB

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

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

**Chair for Faust** – The traditional series of live interviews with prominent personalities from both medical profession and beyond took place on the last Thursday of each month. The interviewed guests were: Karel Pavelka, Pavel Martásek, Jakub Otipka, Josef Marcoň, Vladimír Suchánek, Adam Vojtěch, Jan Kačer, Jan Plzák and Jarmila Heissigerová. In December 2018, Chair for Faust 2018 was published, as the 17<sup>th</sup> book of the series, compiled with the guests by their interviewer Ms Marie Retková.

### OTHER

Our co-operation with students and student organizations at the Faculty and University continued. These are the Union of Czech Medical Students; Association of Dental Students of the Czech Republic; Czech Student Union, MEDSOC (association of international students of the First Faculty of Medicine); International Federation of Medical Students Associations (IFMSA CZ), Occupational therapists for all, Czech Association of Addictology Students, and Loono. The Department introduced regular meetings of the Faculty management with representatives of all the student associations at the Academic Club of the First Faculty of Medicine in Faust House. The new Facebook group for these associations, called *Spolky 1. LF UK*, created for Associations at the First Faculty of Medicine of Charles University, proved really helpful in 2018, allowing for fast and efficient communication. Members of the student associations again participated in organizing many events, such as the Children's Fun Fair, festivals, Number One for a trial, and Number One Starting.

## WEB PAGES AND SOCIAL NETWORKS

In 2018, as many as 881,792 users viewed the Faculty website ([www.lf1.cuni.cz](http://www.lf1.cuni.cz)) – 70.78% from the Czech Republic, 4.61% from Slovakia and 3.95 per cent from English-speaking countries. Most often the website is visited by users between late February and mid-June, when up to 4,967 users visited the web in one day (11<sup>th</sup> June).

A great impact can also be seen on our social networks, specifically the Facebook and Instagram profiles. The Facebook profile was visited by more than 52,000 users and the number of fans reached 5,519. The target group of users are mainly women in the age group between 18 and 24 years (41.2%). The coverage of our documents at the said web reached the number of 1,953,422 including both organic and paid coverage of our campaigns. One of the largest paid campaigns every year is the trailers for the Open Day. The users most often get to our Facebook profile via [www.google.cz](http://www.google.cz) (30.7%) and from our web pages (25.61 %).

Since the year before, the Instagram profile brought a large number of new followers, with the total number up to 1,371. The profile itself was unclicked by 13,701 visitors. The target group mainly includes users from Prague (75.84 %), above all women between the ages of 18 and 24 years (48.8%) and men in the same age category (16.2%). Impressions of our documents reach the number 363,451 – an increase by 1,164% compared to 2017. Unique coverages increased by 992% compared by the year before, up to the total of 114,051 unique viewings.

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

## PROFESSIONAL AND SCIENTIFIC JOURNALS

Also in 2018, the Faculty was the important editor of scientific journals. It published three journals: *Folia Biologica*, *Prague Medical Report*, and irregularly *Acta Universitatis Carolinae Medica*.

The “impacted” *Folia Biologica* (IF 1.044) is an international journal focused on cell and molecular biology. In 2017, a 500-Euro fee for publication of an accepted article was introduced in order to cover a part of the expenses of the publication. The journal has to struggle the lack of quality manuscripts.

The annual award of the journal was won by **RNDr. Lenka Dvořáková, CSc.** from the Institute of Inherited Metabolic Disorders, First Faculty of Medicine, Charles University and General University Hospital in Prague, for the publication: Řeboun, M., Rybová, J., Dobrovolný, R., Včelák, J., Veselková, T., Štorkánová, G., Mušálková, D., Hřebíček, M., Ledvinová, J., Magner, M., Zeman, J., Pešková, K., Dvořáková, L. (2016) X-Chromosome Inactivation Analysis in Different Cell Types and Induced Pluripotent Stem Cells Elucidates the Disease Mechanism in a Rare Case of Mucopolysaccharidosis Type II in a Female. *Folia Biologica* 62(2), 82-89.

The “non-impacted” **Prague Medical Report** is oriented more clinically. The 2018 annual award of the journal for young authors has not been awarded yet. This journal enjoys the growing interest from potential authors, which allowed the editors to reject more than one half of the manuscripts.

**Acta Universitatis Carolinae Medica** did not appear in 2018.

*Communication Department of 1. LF UK*

## AUDITOR'S REPORT





**ZH Bohemia spol. s r. o., Na Rybníčku 387/6, 460 01 Liberec**

*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 2018, 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 2018 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



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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, 15. 05. 2019



ZH B O H E M I A, spol. s r. o.  
Na Rybníčku 387/6  
Liberec  
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

The year 2018 was special for the Union as the year of its 155th anniversary. But it was the year of considerable changes, and the farewell year as well. After completing the studies with success, the long-standing members of the Executive Daniela Vančíšínová, Ludmila Kroupová and Štěpánka Strachotová left the Union. Further, at the end of the year, the president Michal Mihalovič and the vice-president Jitka Knapčoková ended their activity in the Union. Then Filip Tkáč was elected to the vacant vice-president position, and Andrea Kreissová was elected the president. At the same time, new members of the executive were elected. Not only thanks to the new members of the executive but also thanks to the great flow of new active Union members gave us momentum and enriched the organization with new ideas. The whole year was marked with friendly atmosphere and we hope that so will be the next year too.

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

### MEMBERS

In 2018 we saw a considerable increase in the number of new registered Union members compared to the year before. We think this increase was, above all, thanks to the chance to introduce the Union in the open day. Another chance for our promotion was the freshmen's get-together summer camp at Dobronice, where our members were active again. There they introduced the new students to the scope of activities and events organized by the Union and with possible participation in its activity. And certainly of much importance was also the continuous promotion on social networks – Facebook and Instagram, which we focused on the last year. We are glad that there are such students at the Faculty who want to do more in their leisure time and get actively involved in the Union.

### UNION OF CZECH MEDICAL STUDENTS AND THE MEDIA

As I have mentioned, we are trying to achieve more intensive activity on social networks, which are the main source of information nowadays. Although we continue running our own web pages, we shifted the focus of our activity to Facebook and Instagram. For promotion of the University, Faculty and Union events we mainly use our Facebook page, which we run under the title Spolek mediků českých – SMČ. We have more than 3,350 users on this profile who follow us, and the number is still growing, so the work on social networks is the way to address the most student of the Faculty. Of course we do not underrate Instagram pages either – you can find us under the hashtag #spolekmedikuceskych. Recently we have considerably revived this profile – at the moment we have more than 900 viewers. This is, above all, the way of displaying photographs that cannot be placed on our Facebook due to its low capacity. At the same time, the viewers have the chance to ask questions here and we try to answer directly, as our time allows.

Within our social networks, we started writing the section Union Members Abroad. In the short texts included, our active members share their experience of stays under the IFMSA exchange or under the ERASMUS+ programme. The objective of the



section is better access to information on the contents of particular study placements, as seen by our colleagues, who share their experience and give advice to prospective new applicants. We hope that these articles will help the students to choose a placement they may enjoy and find useful.

### THE UNION'S PREMISES IN FAUST HOUSE

The past year only saw minor changes in the Union's rooms. The library was re-arranged and the textbooks were arranged according to the years of studies and subjects so that it will be easier for students to find what they are searching for. Thanks to the subsidy from the Faculty, we also completed the library with some missing publications. The most important change is the new Union computer, which will facilitate the duty librarian's routine work.

In 2018, promotional merchandise was still sold at the premises of the Union. Surprisingly high was the demand for lab gowns with the logo of the Faculty, which were completely sold out soon.

### SMČ – ERASMUS STUDENTS' OFFICE (ESO)

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

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

Members of the ESO prepare other projects for incoming students as well. Among those most interesting were the Trip to Kutná Hora, Trip to Český Krumlov, Prague Sightseeing Tour, Trip to Karlštejn. The novelty of the year was the visit to the Senate of the Czech Republic in the Valdštejn Palace and to the National Museum. Theatre performances were visited too – ballet *Romeo and Juliet* or the ballet *Valmont*.

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



### CO-OPERATION BEYOND THE FACULTY

**Faculty of Law of Charles University** – In 2018 we co-operated with the law students' association Všehrd at the Medical Law Conference, which dealt with topics such as vaccination, genetics or psychiatry.

**Meeting of medical students' associations** – The meeting of medical students' associations was held for the first time last year. It took place in Ostrava, and the programme also included an excursion of the premises of the Medical Faculty of the University of Ostrava and the Vítkovice Hospital. Of course we enjoyed the social programme too, and in future we would like to deepen the co-operation between the associations.

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

**Associations at the First Faculty of Medicine** – Thanks to the efforts of the Dean's Office to engage all the student

associations at the Faculty for a good cause, a charity calendar was created and sold, and the entire yield was donated to support the organization *Život 90* [Life 90]. The total sum of CZK 84,350 was raised, and the money will be used to support the operation of the emergency button for the elderly. This project, and a lot of other as well, boosted our mutual communication and collaboration on many other projects.

**Co-operation with the Union of Dental Students of the Czech Republic and IFMSA** – We still provide students of dentistry with rooms for students' training in dental hygiene. Equally stable is our collaboration with the student organization IFMSA. It is still IFMSA that we co-operate most actively with of all the associations, and we organize a lot of common projects. The premises of the Union serve as a "post box" for documents addressed to IFMSA.

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

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

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

### PROJECTS OF THE UNION OF CZECH MEDICAL STUDENTS

**Open Day** – In 2018, as every year, we took part in the Open Day at the units of the Faculty that were open to visitors, assisted in organization of the event, in joint presentation together with other student associations demonstrated our activities and in the subsequent discussion also answered the visitor's question about the studies at the Faculty. We really appreciate the chance to participate and represent the Union as well as the Faculty, and we are happy to see the interest of the prospective students who may like to become Union members later.

**Medics' Prom Ball** – As every year, the Union of Czech Medical Students assists in organization of the Medic Prom Ball of the First Faculty of Medicine. In 2018, it was the 130th year of the ball, and we again organized a simple online system of reservation of the tickets, which enables easy booking of the tickets via the internet from the students' homes. Active Union members also took part in handing in complimentary tickets to the Heads of units of the Faculty.

**Magic Rave-up** – It has nearly become a tradition to hold this medical students' party in El Magico Club at the halls of residence in the South Town. In 2018 again there were 2 parties to help students meet their colleagues out of the Faculty buildings, in a relaxed atmosphere, where rather than studying they can dance or perhaps win some interesting prizes in a raffle. And naturally all events organized by the Union are absolutely non-smoking events.

**6plus1 Medic Party** – An event where prospective alumni of the Faculty meet the freshmen, took place in the P. M. Club in Trojická Street on St. Nicholas Eve, 5<sup>th</sup> December 2018. As in the years before, the party was a success, and the number of students coming was unprecedented. A great feature is the presence of the Dean, who dubs the fresher students and presents them with commemorative diplomas. The point of the event is joining students across the Faculty, saying farewell to our graduates and welcome to the new students. A lot of competitions are prepared for this event, e.g. who will be the fastest to saw the cocoskull in two etc. In addition to good prices, the winner takes the chance of learning the other competitors better as well.

**Picnic on 10 May 2018** – This time the weather was nice to the traditional picnic and we were happy to see the plenty of students who came to enjoy some delicious foods prepared or donated by the Faculty staff, such as goulash or leg of pork. By and large the whole event is prepared by the Union of Czech Medical Students but we owe lots of thanks to anyone taking part in it, above all to the Dean of the Faculty and the Director of the Hospital, not forgetting many Heads of the faculty units. Last but not least, we appreciate the technical support, every year assisting in electricity supply and transportation of all the necessary rig and gig for the Union premises as well as from the area of the Hospital.

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

**Albertov 2018** – In 2018 we took an active part in celebration of 17<sup>th</sup> November in the big commemorative meeting at Albertov in Prague. In the ceremony we laid flowers at the memorial of the 1989 events, and for the passers-by that visited our educative stand we prepared a human manikin torso to explain what can be found inside the human body. Also, we carried on selling the charity calendar and handed out a variety of brochures about activities of the Union and the Faculty.

**2018 St. Nicholas Eve** – Just as the last year, we again – and it was the 19<sup>th</sup> time – gave small presents to children who had to spend St. Nicholas Day in hospital. This time an unprecedented number of volunteers joined in, and the highest number of

wards were visited. On 5<sup>th</sup> November 2018, the traditional visit of the Devil, Angel and St. Nicholas came not only to our “home” General University Hospital, but this time the event included the more distant hospitals too – Thomayer Hospital in Krč, the Hospital Na Bulovce, the University Hospital *Královské Vinohrady* and the Department of Geriatrics, First Faculty of Medicine, Charles University and General University Hospital in Prague at Londýnská Street. The quantity of St. Nicholas presents was far beyond our expectations, thanks to both students and staff of the First Faculty of Medicine, who generously sponsored the event – the students, staff of the Faculty and this time also the generous donations from the Lidl and Kaufland supermarket chains. We would like to carry on visiting the children’s and geriatric wards in the coming years again, with the help from all the donors. The presents that could not be distributed during the event were – just as any surplus in the years before – sent to children’s homes around Prague.

**Medics’ Union Bowling** – The bowling tournament of the Union of Czech Medical Students took place even twice in 2018. This event is very popular with students and the playing capacity is always taken soon by the teams.

#### **NEW ACTIVITIES IN 2018:**

**Co-operation with the Young Physicians’ Section** – In this co-operation, represented by MUDr. Jan Pavel Novák, two events took place in 2018 – *Transition between the medical school and practice and What can I expect after the school*. Both of them met a vivid response among students, and we hope that it was really useful for them. We consider carrying on the organization of such discussions together with the Young Physicians’ Section.

**Medics’ Union pub quiz** – For the first time, this PubQuiz-style was organized, taking place in the rooms of the Academic Club. The students made up their teams and to compare their knowledge across categories with their colleagues. They were rewarded by good prizes as well as the nice atmosphere in the club and the offer of refreshments.

**Badminton tournament** – It was for the first time that the badminton tournament, co-organized by the Institute of Physical Education, took place, thanks to the partners that kindly provided the venue in the sports hall in Hostivař. We plan continuation the next year.

#### **VISION OF 2019:**

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

Executive of the Union of Czech Medical Students by 31<sup>st</sup> December 2018:

President of the Executive: Andrea Kreissová

Vice-president: Filip Tkáč

Other members of the Executive: Renáta Bravencová, Kateřina Ambrossová, Tomáš Klobasa, Katarína Hroššová, Alexandra Mikryukova, Anna Alekseenko, Dominika Tolimatová, Maria Vandžurová

*For the Union of Czech Medical Students:*

*Andrea Kreissová*

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

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

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

### STUDENTS' PLACEMENTS ABROAD AND INCOMING STUDENTS – SCOPE/SCORE

– local co-ordinators Dáša Baliarová, Mojmír Hlavatý and Matěj Růra

#### The survey of incoming students:

During the year, we admitted 68 foreign students for clinical placements and 10 for scientific placements in 2018.

#### The survey of outgoing students:

We sent out 75 students of the First Faculty of Medicine of Charles University for clinical placements.

Another 15 students of the Faculty were sent out for scientific placements.

Most often our students travel to Brazil, Portugal and Egypt, but also to such countries as Hong Kong, Chile, Ghana and Ethiopia. The incoming students most often come from Indonesia, Mexico and Brazil. Students admitted for a clinical placement stay come, for example, to the Medical Department at the Military University Hospital, Department of Cardiovascular Surgery and Department of Gynaecology. Those coming for a research placement can join one of the four ongoing projects: "Intron 2 of Zbtb16 gene contains a putative enhancer driving Zbtb16 expression in limb buds" (Institute of Biology and Genetics), "Categorization of movement patterns in idiopathic rapid eye movement sleep behaviour disorder" (Department of Neurology), "Endothelial microvesicles of bone marrow transplant patients" and "Regulation of iron metabolism and the role of hepcidin in pathophysiological situation" (Institute of Pathophysiology).

The outgoing students come from both the Czech and English parallels.

### MAIN EVENTS

- 5<sup>th</sup> May and 13<sup>th</sup> December 2018 – PreDeparture Training
- 20<sup>th</sup> November 2018 – National Language Test



### PROJECTS IN THE ACADEMIC YEARS 2016-2017 AND 2017-2018

**SCOPH** – Standing Committee for Public Health – local co-ordinators Eliška Vaňásková and Kateřina Havrdová

**World Health Day** (WHD) – 11<sup>th</sup> April 2018 – The main goal of the project is to promote awareness of necessary prevention and care of health in general public through various prophylactic examinations and interactive counselling. As many as 90 volunteers from all the three medical faculties in Prague were schooled and then participated. Students from the English parallel (20 students from the First Faculty of Medicine) and the programmes of nutritional therapy, physiotherapy and dentistry got engaged too.



**World Diabetes Day** (WDD) – 15<sup>th</sup> November 2018 – The aim of the project is to promote awareness of risk factors, symptoms and prevention of type 2 diabetes mellitus. As many as 70 volunteers from all the three medical faculties in Prague were schooled and then participated. Students from the English parallel (6 students from the First Faculty of Medicine and another 6 from the Second Faculty of Medicine – each time 2 for a 2-hour shift) got engaged too, as well as students of nutritional therapy, physiotherapy and dentistry. Regretfully, the number of English-speaking students had to be limited for capacity and organization reasons

**Teddy Bear Hospital** – Students of the First Faculty of Medicine with a furry teddy bear visit children in kindergartens, trying to help them to get rid of their fear of seeing the doctor. In 2018 we visited 22 kindergartens with the total of over 1,700 children. More than 70 medical students actively participated in this project. Also students of the English parallel took part and visited four kindergartens. Within the year, we were also present as part of the Children's Day at Thomayer Hospital and the Children's Fun Fair with the project.

**For life** – The nature of the *For life* project is training in first aid at higher classes of basic schools, grammar schools and other secondary schools. We managed to train more than 350 pupils. Beyond, the project also visited such events as the Student May Rag Day, Number One Starting, World Health Day and World Diabetes Day. At the moment, we have 55 new active skilled members.

**A smile for everyone** – Under this project, students visit the wards at St. Elisabeth Hospital, above all to entertain elderly patients by chatting, playing games or just listening. In 2018, ten visits took place.

**Smokefree** – Throughout the year, there were 6 events, and more than 418 people were examined. Co-operation was started with the Cardiology Centre at the Institute of Clinical and Experimental Surgery.

**Health Days** – A once-only event at Vodafone. About 150 employees were educated and measured by 6 medical students and students of nutritional therapy.

**SCORA** – Standing Committee for Healthy Reproduction and AIDS prevention – Local co-ordinator Ján Buňa

**Anti-AIDS Tram** – 1<sup>st</sup> December 2018

**Advanced Sex Education** – prevention of sexually transmitted diseases at secondary schools. In 2018, fifteen educative sessions took place. On 2<sup>nd</sup> November 2018, there was the new lecturer recruiting.

**SCORP** – Local co-ordinators Anna Jelínková and Veronika Míková

**Communicate with your hands:** A two-semester course of sign language for 8 people with a deaf instructor. Eventually, the students can get a certificate if they meet the requirements in attendance and final examination.

**Charity collection of pastries for the homeless:** 4<sup>th</sup> to 6<sup>th</sup> December 2018, supporting the charity "Picnics and baking for the homeless".

**Visit to the remand prison at Pankrác in Prague:** 13<sup>th</sup> December 2018, within the World Human Rights Day. After the visit, there was a talk with a prison doctor. The capacity was 25 people. Because of the great interest, the visit will be repeated in the summer semester, with the capacity of 20 people.

**SCOME** – Standing Committee for Medical Education – local co-ordinator Veronika Rottová

**Surgical suture** – Except for the examining period, the classes take place every week (with a few exceptions), each month three basic and one advanced class. During the year 2018, there were 19 classes and 285 students were trained.

**Extra classes in histology** – The classes take place every two weeks, the capacity being 10-15 persons in one lesson, and the students' response is really positive.

**Medicafé** – Meeting of lay public, medical students and all friends of medicine with experts in an informal setting. The six topics dealt with were: Cardiovascular diseases – modern time epidemic, Course (HIV) of positive thinking 2.0, Canistherapy broad and wide, Life with dystrophy is not just surviving, You can do without tobacco too and Psychological interpretation of dreams.

**Handicap café** – Lectures and meetings of medical students with the handicapped and people from their close environment. The project is registered in O2 – SmartUp. In 2018, there were three meetings.

**Laparoscopic suture** – At the moment we are waiting for the instruments. The planned beginning is some time in the summer semester 2018-2019.

**Theatre etiquette** – A course aimed, above all, at practical training of basic surgical skills. The total duration of the class is about 2.5 hours, which allows the students to experience the work with authentic materials and instruments as well as work on a simulator. The capacity is 9 people. In 2018, four courses were implemented.

#### PROJECTS BEYOND THE SCOPE OF STANDING COMMITTEES

**White coat charity shop** – In 2018, as much as CZK 9,600 was raised, and the money was sent to the charity Dobrý anděl [Good Angel] in monthly payments.

**Open Trainings** – Monthly trainings in soft skills.



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

For the IFMSA CZ local branch at the the First Faculty of Medicine of Charles University

*Anna Stefanovičová*

*Local President*

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

LF1 MEDSOC is the student-run association of the English Parallel at First Faculty of Medicine, Charles University in Prague. This year, we are comprised of 57 students, ranging from second year up to sixth year. The LF1 MEDSOC Board is formed by five members: the President, the Treasurer, the Vice-President of Academic Affairs, the Vice-President of Student Support and the Vice-President of Activities & Media.

The Academic Affairs team started off the academic year by providing introductory seminars for each year group, where senior students provide information and insight to juniors for their upcoming year. This was shortly followed by our two-day Second-Hand Book Sale. An Anatomy Dissection Workshop was held to prepare the first-year students for their winter dissection exam, which will again be repeated for their summer exam. This team will debut their Histology and Physiology workshops in the summer semester to aid pre-clinical students with their final exam preparation. To facilitate the education of clinical students, the Academic Affairs team arranges international Consultants to visit to deliver seminars on their specialities; an endocrinologist visited in the winter, and a cardiologist and respiratory physician are due to visit in the summer. A series of suturing workshops are also organised to develop the clinical skills of our students.

The Student Support team worked closely with the FSAD department to carefully plan and successfully execute Enrolment Day 2018 for the new students. This is the largest team, with 25 members, most of whom are Guides. These are the first point of contact for first-year students, so they have been holding frequent meetings with the freshers to ensure a smooth transition for them into life as a medical student. The Guides welcomed the prospective students on Open Day 2019 and provided tours of the Faculty. This team also ensures the well-being of students living away from home; for example, by providing assistance with visa issues and helping solve problems of students in severe situations.

The Activities & Media team arranged a series of networking events at Freshers' Week 2018 to welcome the new students to the Faculty. Throughout the year, various interfaculty events have been held, such as music festivals to celebrate the talents of our own medical students. The LF1 Football team has played two matches against our other medical faculties, with a remainder of three matches to be played this academic year. The Activities & Media team has been busy with the planning of the 12<sup>th</sup> Annual Spring Ball, which is to take place on the 27<sup>th</sup> April 2019.

The Treasurer has been working closely with the LF1 Charity team for the past two years. This team arranges recurring events, such as Feed the Homeless, and Teddy Bear Hospital, and encourages students throughout the Faculty to partake. Working with the Events Team, a Movember Party was arranged to raise money for Men Against Cancer. Last semester, a visit to the Žatec Orphanage was arranged, and a Clothes Drive to donate clothes no longer needed, both of which events are to be repeated this semester.

The LF1 MEDSOC Board elections are due to take place in May, where manifestos are submitted and applicants campaign, after which ballots open for the student body to vote.

*Stella Akrivi*

*LF1 MEDSOC President*

## SPOT PRAGUE – STUDENT PLATFORM OCCUPATIONAL THERAPY PRAGUE

SPOT Prague is the just starting association of students of occupational therapy at the First Faculty of Medicine of Charles University. At the moment, it numbers 20 students of bachelor and/or master study programmes who try to materialize the vision of the student society SPOT EUROPE, to which our association belongs as a “Mini SPOT”.

### SPOT EUROPE – Student Platform Occupational Therapy Europe

This is a student organization created in 2014 within the ENOTHE, which it really closely collaborates with. Within SPOT EUROPE, there are also smaller associations at one-university level, called Mini SPOTs.

### Mini SPOT – Mini Student Platform Occupational Therapy

Mini-Spot is an occupational therapy association at one university. This means that there can be more Mini Spots in one country. The title of a Mini Spot is usually the word “Spot” combined with the name of the university.

In order to establish a Spot, it is advisable that one teacher is engaged to co-ordinate the activity. One advantage of the teacher's engagement is that he/she keeps the contact with both the students and the university. Ideally, the teacher should meet students at a one-hour meeting every month so that they can discuss further activities there. Often these meetings are designated as an elective subject or school activity that the students can get credits for. In total, it takes 30 hours per academic year (or 15 hrs per semester). The teacher provides the date of the meeting and the venue at the university. In the meantime, the students meet by themselves. To found a Spot, 4-5 students are enough. If the number of students is really high, organization of activities is more demanding. The students form the executive of the association.

Each student has the right of internationalization, and being involved in a student group can be a lot of help. Internationalization does not only mean travelling for a three-month stay under ERASMUS or one-week courses abroad, but it can be an activity in the student's own country. Under the Mini Spot the students have their own project they organize or engage in, e.g. International weeks. Students often set up a Facebook, issue a newsletter, are active on web pages of the University, communicate with SPOT EUROPE and other Mini Spots. Often they are in contact with international students that come under the Erasmus programme. Students in their last year come to present short talks for the first-year students about activities of the Mini Spot within the lecture on international organizations of occupational therapy. At some universities, even financial support for the planned activities may be obtained.

### ACTIVITIES IN 2018

- Preparations to found the society. Predominantly an activity of Zuzana Rodová M.Sc. (as a teacher of the First Faculty of Medicine of Charles University and member of the extended committee of the Czech Association of Occupational Therapists) with the aim of initiating the founding of a student association.
- May 2018 – Z. Rodová's participation at the world congress of WFOT in Cape Town, meeting with representatives of the committee of ENOTHE and SPOT EUROPE.
- October 2018 – Z. Rodová's participation at the ENOTHE meeting in Portugal.
- Rodová, Z. (2018): How to found a student association – Mini SPOT, Informační Bulletin ČAE. 2-2018, pp. 16-17, ISSN 1804-1558.
- Information on the web and Facebook of the First Faculty of Medicine of Charles University, information on the web and Facebook of the Czech Association of Occupational Therapists (ČAE). Communication with the management of the Department of Rehabilitation Medicine, with the management of the First Faculty of Medicine of Charles University and Communication Department, with SPOT EUROPE, with ENOTHE, and with ČAE.
- On 13<sup>th</sup> December 2018, there was a meeting with students at Albertov, meant to inform students of bachelor and master programmes of occupational therapy about the scope of international exchange under the ERASMUS+ programme (offering stays in Sweden, Belgium, Austria and Italy). Further, the students were informed how to obtain resources for activities abroad from the project of Specific University Research (SVV). They were also informed about activities of the European student organization SPOT Europe, at which they can participate within the new Mini SPOT association of occupational therapy, which is being created at the First Faculty of Medicine.

There are 24 students interested in membership. Another possibility of internationalization is participation in ENOTHE meetings, which will take place in Athens in 2019 and in Prague in 2020

### PRELIMINARY OBJECTIVES OF THE ASSOCIATION

- Internationalization of students
- Co-operation with SPOT EUROPE
- Co-operation with other student associations of occupational therapy and allied fields in the Czech Republic
- Participation in activities of student associations at the First Faculty of Medicine of Charles University
- Promotion of the field of occupational therapy at secondary schools and in wider general public
- Preparation of the student section of the occupational therapy congress COTEC-ENOTHE Prague 2020 (co-operation with SPOT EUROPE and organizing committee of the congress)

## STUDENT ASSOCIATION OF NUTRITIONAL THERAPISTS

We are the Student Association of Nutritional Therapists (SANT), which was born at Masaryk University in Brno in 2016. In 2018 it spread to Prague, to the First Faculty of Medicine. In future, this association will become a part of the national organization – the Czech Association of Nutritional Therapists (ČANT).

We want to improve the quality of education in the field. We want to get out of the rut of the myths and show the public the truth about nutrition. We want to show who the nutritional therapist really is. We want to teach everyone that healthy nutrition is the base of the healthy life style and that there is nothing difficult about it.

We want to improve the health of everyone in co-operation with other professions, organizations, schools etc. Recently, we have started co-operation with the Third Faculty of Medicine.

### EVENTS IN 2018

#### 1. NutriCafé

3<sup>rd</sup> NutriCafé on 13<sup>th</sup> November 2018 – On Masters studies in Sweden

4<sup>th</sup> NutriCafé on 27<sup>th</sup> November 2018 – Information resources – how to get oriented. EB medicine.

#### 2. Conference NutriGeeks – organized by NeHladu on 30<sup>th</sup> September 2018

#### 3. Health Days at Vodafone – tasting our healthy foods, measurement of composition of the body – IFMSA, 21<sup>st</sup> November 2018

#### 4. Světový den diabetu Harfa – IFMSA, 15. 11. 2018

#### 5. Adi-Nutri beseda: food intake disorders, big lecture at RockCafé on 13<sup>th</sup> February 2019

#### 6. Participation in sales of charity calendars and diaries (CZK 7,900 raised)

## CZECH ASSOCIATION OF STUDENTS OF ADDICTOLOGY (ČASA)

Czech Association of Students of Addictology, is a university association of students of addictology, which is active on the territory of the Czech Republic and works on the volunteer basis.

In the Czech Republic, the unique multidisciplinary field of addictology can only be studied at the First Faculty of Medicine of Charles University.

### OUR OBJECTIVES AND MISSION

Our main objectives include clustering of students of addictology, assistance in studies and professional career, co-operation with the academic community and professionals in addictology services in both the Czech Republic and abroad, and promotion of the fields as such. We advocate the interests of students of addictology. We promote awareness of addictology and hazards of abuse of addictive substances.

### EVENTS AND ACTIVITIES IN 2018:

**Participation in the Open Day of the First Faculty of Medicine of Charles University** – information about the study of addictology and activity of the student association ČASA.

**ČASÁk** – in April, the tenth number of the association journal ČASÁk occurred. Each number presents an interview with a prominent personality from the sphere of prevention, treatment and research of addictions, as well as information about the life of addictology students.

**Creation of infographics about alcohol for Sifty** – for the popular portal of health information we prepared infographics about alcohol and its effects on the human organism.

**Student May Rag Day** – at this festival, the visitors came to the ČASA stand to measure the alcohol levels in the breath, learn about their state concerning cigarette smoking, and get informed about hazards of abuse of addictive substances.

**Museum Night** – a stand with an alcohol tester, smoke analyser, straightjacket and information about addictive substances.

**Talk with the Minister of Health** – preparation and organization of the talk of Adam Vojtěch, the Minister of Health, with members of student associations at the First Faculty of Medicine of Charles University.

**ČASA at the World Health Day** – in the business centre Galerie Harfa, the visitors could learn about the issues of addictions at the ČASA stand.

**Number One Starting** – presentation of the student association ČASA and the classic exposition at the stand (alcohol tester, smoke analyser, special goggles that induce the feeling of drunkenness and information about addictive substances).

**AdiTalk on the topic** – “Position of the addictologist in prisons in the Czech Republic – experience and prospects” – discussion about the work of addictologist in the prisons.

**Celebration of the 70<sup>th</sup> anniversary of the Apollinaris** - (formerly the anti-alcohol section of the Department of Psychiatry, nowadays the Department of Addictology) – members of our student association took active part in preparation of the festivities and the week's programme.

**Science and Technology Week** – participation in the biggest festival of science, organized by the Academy of Sciences of

the Czech Republic, promotion of the study programmes in addictology and information about hazards of abuse of addictive substances.

**St. Nicholas eve at the Apollinaris** – our St. Nicholas team visited all patients at the words of the Department of Addictology.  
**Informal meeting with the Minister of Health** – organization of an informal meeting with Adam Vojtěch, the Minister of Health, at the Dead Fish students club, for active members of student associations.

#### VISION OF 2019:

- Continuing the activity of the association.
- Further development of collaboration with other student associations within the First Faculty of Medicine as well as with student associations of the other faculties.
- Taking all opportunities to inform about the activity and events of the association, about the scope of studies at the First Faculty of Medicine and the issues of addictions (internet, Facebook, Instagram, Twitter), continuing edition of the association ČASÁk.
- Transfer of talks with experts in the issues of addiction from the premises of the Faculty to public space, thereby promoting the study of addictology more effectively, and inform the public about the issues of addiction.
- Promote the study at the First Faculty of Medicine of Charles University at events organized for secondary school students (Brain Week, Science and Technology Week).

ČSA executive by 31<sup>st</sup> December 2018:

president Kristýna Fišerová, vice-presidents Kateřina Rokosová and Hana Slopovská

*for the Czech Association of Students of Addictology*  
*František Trantina*

## ASSOCIATION OF STUDENTS OF PHYSIOTHERAPY

A national student organization that promotes higher quality of the studies and the students' interests and needs. Our goal is also spreading the general awareness of the field of physiotherapy. We organize educative, cultural and charity events.

#### EVENTS ORGANIZED IN 2018:

**28<sup>th</sup> Prague PhysioCafé** – 6<sup>th</sup> February 2018, with Ms Alice Hamáčková on the topic: Therapeutic method Neurac

**29<sup>th</sup> Prague PhysioCafé** – 12<sup>th</sup> February 2018, with Ms Lucie Suchá on the topic: Physiotherapy in patients with multiple sclerosis

**30<sup>th</sup> Prague PhysioCafé** – 1<sup>st</sup> March 2018, with a special guest Mr. Antonio Stecco M. D., PhD. on the topic: Fasciae in manual medicine – Fascial Manipulation® / Stecco®

**31<sup>st</sup> Prague PhysioCafé** – 20<sup>th</sup> March 2018, with Ms Milada Kukačková on the topic: Rehabilitation of the hand

**32<sup>nd</sup> Prague PhysioCafé** – 26<sup>th</sup> April 2018, with Mr. Jiří Vítek on the topic: Neurophysiology of motion

**33<sup>rd</sup> Prague PhysioCafé** – 31<sup>st</sup> May 2018, with MUDr. Radek Kebrle on the topic: Functional view of surgery of the hand

**Open Day at the First Faculty of Medicine of Charles University** – 5<sup>th</sup> January 2018

**Workshop Physiotherapy in dentistry (or students to students)** – 28<sup>th</sup> February 2018, Workshop for members of the association Union of Dental Students of the Czech Republic on occupational ergonomics, most frequent diagnoses related to the occupation and their prevention.

**Basic issues of the temporomandibular joint in the view of (or students to students)** – 15<sup>th</sup> March 2018. A lecture by the SSS Union of Dental Students of the Czech Republic for us, in turn, focused on the issues of the temporomandibular joint

**Workshop Physiotherapy in dentistry Vol. 2 (or students to students)** – 17<sup>th</sup> April 2018, Workshop for members of the association Union of Dental Students of the Czech Republic on occupational ergonomics, most frequent diagnoses related to the occupation and their prevention.

**MaRS – 24-hour marathon with multiple sclerosis** – 3<sup>rd</sup> to 4<sup>th</sup> March 2018

**World Health day 2018** – 11<sup>th</sup> April 2018

**Stay abroad: Portugal 2018** – A 3-week exchange placement with the Portugal organization Grupo de Interesse – Movimento Jovem Na Fisioterapia under ESPEP (European Summer Physiotherapy Exchange Programme)

**34<sup>th</sup> Prague PhysioCafé** – 9<sup>th</sup> October 2018, guest: Markku Riihinen, PT, on the topic: Musicians, pain, injuries and fascinating performances

**35<sup>th</sup> Prague PhysioCafé** – 29<sup>th</sup> November 2018, with Ms Jitka Holubcová, on the topic: Psychosomatics and the physiotherapist's tools in it

**Number One Starting** – 5<sup>th</sup> October 2018, Presentation of student associations at the First Faculty of Medicine of Charles University



**World Diabetes Day (WDD)** – 15<sup>th</sup> November 2018

**Celebration of 5<sup>th</sup> anniversary of ASF** – On 17<sup>th</sup> December 2018, we celebrated the fifth anniversary of the founding.

**OBJECTIVES FOR 2019:**

- Carrying on the projects and events already started
- Extending the “Students to students” activities – at the moment we are negotiating common workshops with IFMSA
- Launching the online library of lectures PhysioCafé
- Extending the bonus package for members



**Charles University award – Bedřich Hrozný Prize** for an important creative act in 2018 was won by Prof. MUDr. Miloš Grim, DrSc., Charles University, the First Faculty of Medicine, Institute of Anatomy; Assoc. Prof. MUDr. Ondřej Naňka, Ph.D., Charles University, the First Faculty of Medicine, Institute of Anatomy; and master artist Ivan Helekal; for publication of the book *Atlas anatomie člověka I.: Končetiny, stěna trupu* [Atlas of human anatomy I: Extremities, wall of the trunk] and *Atlas anatomie člověka II.: Hlava a krk, vnitřní orgány, neuroanatomie* [Atlas of human anatomy II: Head and neck, internal organs, neuroanatomy].

In 2018 the Rector of Charles University, at the proposal of the Dean of the First Faculty of Medicine, presented the **silver medal of Charles University** to Prof. MUDr. Otomar Kittnar, CSc.; Prof. MUDr. Pavel Dungal, DrSc.; Prof. MUDr. Karel Smetana, DrSc.; Prof. MUDr. Zdeněk Krška, DrSc.; and the **gold medal of Charles University** to Prof. MUDr. Emanuel Nečas, DrSc.; Prof. MUDr. Jan Kvasnička, DrSc.; Prof. MUDr. Vladimír Beneš, DrSc.; Prof. MUDr. Miroslav Zavoral, Ph.D., and Prof. MUDr. Helena Tlaskalová-Hogenová, DrSc.

**Josef Hlávka award for the best students** and alumni of Prague public schools of higher education, the polytechnic in Brno and young staff members of the Academy of Sciences of the Czech Republic was won by MUDr. Hana Kolářová, Ph.D., a student of the doctoral study programme Biochemistry and pathobiochemistry.

**Josef Hlávka award for scientific literature** was won by Prof. MUDr. Miloš Táborský, CSc.; Prof. MUDr. Josef Kautzner, CSc.; Prof. MUDr. Aleš Linhart, DrSc.; et. al., for the book *Kardiologie* [Cardiology].

**Josef Hlávka memorial medal** of the Josef, Marie and Zdeňka Hlávka's Foundation, designated as an award for doyens, founders and other prominent personalities of Czech public education schools, Czech science and arts as acknowledgement of their life work for the benefit of Czech science, arts and education was won by Prof. MUDr. Mojmír Petrů, CSc., in 2018.

**The prize of the journal Folia Biologica** was awarded to the article *X-Chromosome Inactivation Analysis in Different Cell Types and Induced Pluripotent Stem Cell Elucidates the Disease Mechanism in a Rare Case of Mucopolysaccharidosis Type II in a Female*, published in Vol. 2-2016 (82-89. ISSN 0015-5500. IF = 0. 939 (2016); by Mgr. Martin Řeboun; Mgr. Jitka Rybová; RNDr. Robert Dobrovolný, Ph.D.; Mgr. Josef Včelák; Mgr. Tereza Veselková; Ing. Gabriela Štorkánová, Ph.D.; Ing. Dita Mušálková, Ph.D.; MUDr. Martin Hřebíček, Ph.D.; RNDr. Jana Ledvinová, CSc.; Assoc. Prof. MUDr. Martin Magner, Ph.D.; Prof. MUDr. Jiří Zeman, DrSc.; Ing. Karolína Pešková; and RNDr. Lenka Dvořáková, CSc.

The **Scientia Foundation** awarded its 2018 **Scientia Prize** for the best students' scientific papers to Ing. Matuš Hornáček, student of the doctoral study programme Cell biology and pathology, from the Institute of Biology and Medical Genetics, First Faculty of Medicine, Charles University and General University Hospital in Prague; and MUDr. Veronika Živicová, student of the doctoral study programme Experimental surgery, from the Institute of Anatomy, First Faculty of Medicine, Charles University. The Gold Memorial Medal of the J. E. Purkinje Czech Medical Society in 2018 was awarded to Prof. MUDr. Jiří Vencovský, DrSc.; and Prof. MUDr. Karel Pavelka, DrSc. Medals of honour of the J. E. Purkinje Czech Medical Society for 2018 were awarded to Prof.

MUDr. Jaroslav Čermák, CSc.; Prof. MUDr. Helena Tlaskalová-Hogenová, DrSc.; and Assoc. Prof. MUDr. Zdeňka Límanová, CSc.

**Novartis – Discovery Prize** – This award in the category Innovative approaches, including prototypes and ICT solutions was won by MUDr. Jan Šoupal, Ph.D., from the 3<sup>rd</sup> Department of Medicine – Department of Endocrinology and Metabolism, First Faculty of Medicine, Charles University and General University Hospital in Prague, for the paper Study COMISAR – academic research project comparing effectivity of glycaemic sensors in patients with the insulin pump or insulin pens.

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

Assoc. Prof. MUDr. Roman Jiráček, CSc.

Prof. MUDr. Miroslav Zavoral, Ph.D.

Assoc. Prof. MUDr. Milada Kohoutová, CSc.

Prof. MUDr. Zdeněk Krška, DrSc.

Assoc. Prof. MUDr. Pavel Pavlovský, CSc.



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