



UMF

IULIU HAȚIEGANU
UNIVERSITY OF
MEDICINE AND PHARMACY
CLUJ-NAPOCA

FACULTY OF DENTAL MEDICINE

*“Medical science is the closest to the soul
by being the closest to humans.”*

Iuliu Hațieganu



THE CLUJ-NAPOCA FACULTY OF DENTAL MEDICINE – A MULTICULTURAL INSTITUTION

More than 1350 students are enrolled in the Faculty of Dental Medicine, out of which over 600 are international students. While their cultures and languages might be different, all the students are presented with the secrets of a unique profession that responds to the patient's needs, restores their health and gives them back their smile and happiness. The three teaching languages, Romanian, French and English, allow the students to quickly integrate into the dental medicine-specific education system.

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THE DEAN'S MESSAGE

The medical profession has always been a significant option for the most valuable young women and men, thanks to its noble character and social recognition. Dental medicine, one of the most liberal medical professions, offers, besides the regular professional responsibility, a higher degree of independence, allowing the professionals to be both a doctor and an entrepreneur.

In 2020, dental medicine is developing at a fast pace, well into the digital era. The workforce mobility inside and outside of Europe is an excellent opportunity for our graduates. In this context, the Faculty of Dental Medicine of the Iuliu Hațieganu University of Medicine and Pharmacy of Cluj-Napoca gives its students the opportunity to graduate with one of the most sought-after degrees in the world, a dentist's diploma.



Founded in 1919 by the professor Gheorghe Bilaşcu, upon prof. Iuliu Haţieganu's initiative, the dental medicine school of Cluj-Napoca was also the first mandatory dental medicine school in Romania. Our Faculty of Dental Medicine is, more than a century after it was founded, still in a leading position among the dental medicine schools of Romania, as well as a landmark European school, due to its tradition of training international students as professionals to be recognised in their countries of origin.

Our human resources, the teaching staff, is the main factor that ensures the completion of our mission and, besides tradition, is our most valuable asset. The high professional quality of our teaching staff and our generous infrastructure, as well as our endowments, secure the premises for the optimum education of dental medicine students (6 years) and dental technology students (3 years). The dental medicine faculty has three teaching languages: Romania, French and English. The faculty also organises postgraduate programmes: masters' and doctoral studies, as well as residency.

I take this opportunity to invite you to discover and enter the dental medicine community of Cluj-Napoca and to contribute, by our side, to the value and prestige of the Cluj-Napoca school of dental medicine! Vivat Academia!

Cluj-Napoca, 2020

Dean,
Associate Professor Cristian DINU, DMD, MD, PhD

CLUJ-NAPOCA AND THE FACULTY OF DENTAL MEDICINE

Cluj-Napoca, the capital and heart of Transylvania, with its history going back to Roman time, has been for all this time a cradle of culture and civilisation. At present, Cluj-Napoca is an economically modern and dynamic city, with ten universities, as well as a cosmopolitan, multicultural, city, offering its student population an intense, stimulating, social and cultural experience.

With its 450.000 inhabitants, Cluj-Napoca (Kolozsvár in Hungarian, Klausenburg in German) is the biggest city in Transylvania and, according to the latest census, the second-largest in Romania, population-, relevance- and economic development-wise.

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The young people who wish to study in a renowned and well-appreciated academic environment, and to live and train in a university city with a rich social and cultural life will find here the place of their dreams. With its more than a century-old tradition, the medical higher education of Cluj-Napoca is the first of its kind in Romania.



A former European Youth Capital, Cluj-Napoca is the home of for national-level cultural institutions (the theatre, the philharmonic and its two opera houses). It is also home to tens of festivals of various sizes, the best known being Untold, Electric Castle, Jazz in the Park and TIFF, the Transylvania International Film Festival. Cluj-Napoca's nightlife is animated by its multitude of original, sophisticated or traditional clubs and students' parties.

Our city is also famous for its civil and religious buildings, monuments, statues, museums, parks, its Botanical Garden, as well as historically relevant squares and bridges. Its architecture is diverse, including baroque, gothic, classicist or roman- esque buildings that reflect its variety of religions and influences.

Cluj-Napoca is Transylvania's most important centre of culture and higher education. Its intercultural traditions are evident in its friendly social environment and its youthful academic atmosphere the over 100,000 from all over the world enjoy.

In 1919, prof. Gheorghe Bilaşcu, returning from Budapest upon invitation from prof. Iuliu Haţieganu, lays the foundation of the first dental medicine clinical department in Romania. This event was followed, shortly after, by the first journal of dental medicine. Founded on tradition, developed and supported by entire generations of excellent dedicated professors, the dental medicine education of Cluj-Napoca continuously developed over the decades that followed, up to this day.



Brief history of the Faculty of Dental Medicine

- 1919 - The dental medicine education begins as a specialisation of the Faculty of Medicine, coordinated by prof. Gheorghe Bilaşcu, an alumnus of the University of Vienna
- 1948 - Creation of the Faculty of Dental Medicine, with its first specialised subjects: Orthopaedic Dentistry (prof. Vasile Vasilescu), Dental Therapy (prof. Iosif Baba) Maxillo-facial Surgery (prof. Cornel Opreşiu)
- 1994 - Creation of the Dental Technicians' College
- 1997 - Creation of the Dental Nursing specialisation
- 2001 - Creation of the French Dental Medicine teaching programme
- 2007 - Creation of the English Dental Medicine teaching programme



EDUCATIONAL GOALS

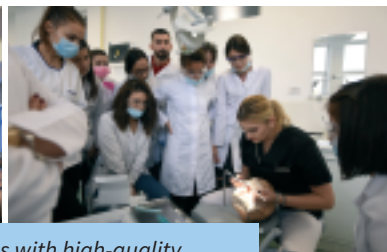
The mission of the Faculty of Dental Medicine is to train competitive, highly specialised dental medicine and dental technology specialists, capable of working at high standards in Romania and Europe.

The faculty offers its students a clearly defined scientific framework, along with remarkable theoretical and practical aspects (high-level specialists, adequate equipment and facilities). We strongly believe in active and interactive learning, as well as capacity- and competence-based assessment, defined by performance standards.

The education and research programme of the Faculty of Dental Medicine is constantly considering European integration of Romania, the significant quality changes in the field of higher education, the intense competition between faculties with the same specialisation and the diversification of the young people's educational opportunities.

The curricula include optional classes, allowing the students to align their learning interests to their fields of professional interest.

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„The teaching methodology used in our faculty provided us with high-quality learning and gave us all the abilities we need to become a good dentist.”

Larissa Prat-Gheorghe - 2020 graduate

Top 5 aspects our international students appreciate*:

(a students' satisfaction survey performed in 2019)*

- Working with small groups of students
- Young, excellent teaching staff
- The partnership relationship between the teaching staff and the students
- Problem-based learning (PBL)
- Performance scholarships for international students

EDUCATION PROGRAMMES



Undergraduate programmes

Programme	Duration	ECTS credits	Teaching language
Dental Medicine	6 years	360	Ro, Fr, En
Dental Technology	3 years	180	Ro

Dental Medicine - 6 years, taught in Romanian, English and French. The graduates become dentists and may practice general dental medicine.

"I cannot thank my professors enough for what they taught me over these years and my city, Cluj-Napoca, for all it had offered. UMF will always be part of me, and the reason I am who I am today. The high-quality education gave me the opportunity to practice my profession at present. I am a freelance orthodontist in Nice now, and this is the result of the effort I put in, of course, and especially of UMF who helped me make my dream come true."

Dr Ben Ameer Myriam

Dental Technology - 3 years, taught in Romanian. The graduates receive a dental technician's undergraduate degree and may practice their profession.

Postgraduate programmes

Masters' Degree

Forensic Dental Medicine

"I think this masters' programme is useful for all medical graduates, and not only, in learning the legal context of the medical activity and, especially, in becoming aware of the situation where professional errors may occur. I had the pleasure to work again with my old professors and the opportunity to know and listen to new professors from other universities, and this contributed to my professional and personal development and training. This programme provides a practical approach to our profession, adapted to the society's current needs. I highly recommend enrolling in it."

Ovidiu Aghiorghiesei, Forensic Dental Medicine Masters' student

Doctoral School

Dental Medicine doctoral programme organised by the University' Doctoral School.





Residency (3-5 years)

Multiple specialisations. The graduates of residency programs will become specialist physicians in dental medicine: orthodontics, periodontics, prosthetic dentistry, endodontics, pedodontics, general dentistry, surgical specialities.

Postgraduate continuing medical education programmes

With its modern endowments and exceptional specialists, the Faculty of Dental Medicine organises practical and theoretical programmes of continuing medical education in all the fields of dental medicine.



International students admission (www.joinumfcluj.ro)

The admission section is available now in six languages (English, French, German, Italian, Spanish and Swedish), allowing the potential students and their parents to examine the educational offer and study conditions provided by our renowned university.

“Studying in Romania is, above all, a human adventure. These years helped to my personal growth and improvement.

I am very proud to be a Cluj-Napoca Iuliu Hațieganu UMF graduate, and, if I were to choose again, I wouldn't change my option.

I am very grateful to Romania for having me as a student. This is truly an unforgettable experience I would recommend to anyone wishing to fulfil their dreams.”

Larissa Prat-Gheorghe - 2020 graduate



STUDENT LIFE



Study programme

Our higher education programme uses **the linear system** over 6 years (12 semesters) for dental medicine and over 3 years (6 semesters) for dental technology. The study programme is split into two 14-week terms per year, each ending with an examinations round of 4 weeks.

The study programmes align with the EU mutual diploma recognition provisions, and the curricula are constantly updated and upgraded.

The study subjects are mandatory, optional and facultative. The mandatory subjects provide the students with the basic and specialised knowledge they need for their future profession. The optional and facultative subjects add other fundamental and associated specialised fields, thus facilitating a customised approach of their professional development, depending on their native abilities and preferences. The subjects are quantified and recognised according to the European Credit Transfer System (ECTS).





Student assessment

The students' knowledge is assessed through **written and oral theory exams, as well as practical exams**. The grading system is 1-10, and the minimum grade requirement for passing both practical and theory exams is 5. A student may try to pass an exam maximum three times during one year of studies, in 4 examination sessions.

The subjects are assessed according to ECTS, depending on the number of classes and laboratory practice. Each year of studies is equivalent to 60 credits.

Organizația Studenților Stomatologi (OSS)

OSS (Organizația Studenților Stomatologi / the Dental Medicine Students' Organisation) was created in 1995 for representing the students at a University level. Its structure was changed for improving its efficiency and for developing it in the most favourable direction in terms of human and professional relationships.

OSS has a two-fold activity, including the academic side, i.e. representing the students at a University level, as well as an NGO-type activity. The organisation has three departments (Technical - IT support, Scientific - coordinating the organisation's scientific activities, and International Students - facilitating the integration of the French- and English-speaking students' integration in the academic and social local environment) and carries out its activity through its 8 projects (DENTis, the International Dental Students' Congress, Give Smiling, Cavities Prophylactics, Open Gates Day, the Wisdom Tooth journal, Support for 1st Year Students, the Baby Teeth Ball, InterDentis and StomaFun).

The new international profile of the medical and pharmacy studies lead to international students' organisations to better represent them and facilitate their integration in the university environment and the local community:

- **English Medical Student Association (EMSA)**
- **Corporation Médicale de Cluj (CMC)**



STUDY PROGRAMMES



Basic medical training

The Faculty of Dental Medicine study programmes include subjects aimed at providing the basic medical training of the future specialists. The curricula structure for the general training subjects is aimed at subjects of interest for the future dentists. During their years of studies, the students learn notions derived from studying the fundamental medical subjects, as well as from studying the specialised subject.

The teaching of **specialised subjects** starts in the first year of studies. In the first years, we use simulators for **clinical activities**, aligned with the current international trends in teaching dental medicine.

The students are introduced from the first years of studies to the atmosphere of a dental practice, and their clinical activities start early, along with their basic training.

Our classes are taught interactively, using modern teaching methods in state-of-the-art amphitheatres.

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Professor-student collaboration

The practical teaching takes place in 10-14 student groups in the pre-clinical years and in 6-8 student groups in the clinical years, with a professor coordinating each group. This way, their activity is continuously and efficiently supervised by our teaching staff.

We provide a mentor (professor) for each class, who is constantly keeping in touch with the students. The teaching staff strives to help the students find their direction in training and medical thinking.





The **clinical training** allows the students to:

- Practice their profession based on the values instilled in them by the Cluj-Napoca school of medicine;
- Validate themselves through their contribution to the improvement of the health situation of their local, regional, national and international communities;
- Develop their team spirit for complex treatments;
- Earning their patients' trust and respect through their professionalism, attitudes, and human qualities;
- Participate, via innovation and creativity, to developing fundamental knowledge and technology progress leading to improving the medical science and art.

The structure of the clinical education curriculum is similar to that of other European dental schools, thus balancing the clinical sectors of dental medicine. From the very first clinical studies years, we teach preventative dentistry against dental and maxillary conditions.

Conservative dentistry

The current global trend aimed at preserving most of the natural dental and maxillary structures is followed by the conservative dentistry subjects, odontology and endodontics. With biomaterials and state-of-the-art techniques, the students learn how to perform dental repair and intact structure conservation manoeuvres.

Dental prosthetics

Restoring the affected dental and maxillary structures and replacing them with dental and dental-maxillary prosthetics is an important part of specialised subjects. The students are introduced to all clinical and technical steps of dental prosthetics.



Surgery

The surgical subjects are well represented in the faculty's curricula and provide theoretical and practical information about oral and maxillofacial surgery, as well as about implantology.

Periodontics

Another important subject is represented by the diagnosis and therapy of frequent periodontic conditions.

Oral rehabilitation and management

Before graduation, the students can study, both in theory and practice, the pathology requiring a complex dental and maxillary rehabilitation. The graduates also need information on management, dental practice organisation, medical legislation and health economics. These are the subjects the students can study here.

Medical imaging

Using a variety of traditional and modern imaging methods, the students learn how to assess the health of oro-facial structures. We integrate, using a pluri-disciplinary approach, our imaging laboratories that support our Faculty's teaching and research activities.

Orthodontics and pedodontics

A field our dental medicine school excels in is paediatric dentistry, along with the treatment, using various modern methods, of dental and maxillary anomalies.

Community involvement

The Iuliu Hațieganu UMF dental medicine teaching hospitals provide dental care services that cover the entire range of dental medicine specialisation. The interventions are performed by our students, under the close supervision and guidance of the students' groups mentors.

The **SANODENTAPRIM** programme (promoting oral health through improved access to dental services for underprivileged populations) is a programme aimed at institutionalised patients (assisted living facilities, orphanages, etc.), the low-income retirees, the unemployed as well as people under 26 with no revenue. Under this programme, they can be treated by dental medicine students and residents.

Residency programmes

The highly qualified teaching staff of the Faculty of Dental Medicine train residents in all the fields of dental medicine:

- Dental prosthetics - 3-year residency
- Endodontics - 3-year residency
- Periodontics - 3-year residency
- Pedodontics - 3-year residency
- General dentistry - 3-year residency
- Dentoalveolar surgery - 3-year residency
- Orthodontics and dental and facial orthopaedics - 3-year residency
- Dental and maxillo-facial surgery - 5-year residency
- Oral and maxillo-facial surgery - 5-year residency



INFRASTRUCTURE / FACILITIES

The dental medicine students will work and study in great learning facilities, such as amphitheatres and laboratories, clinical practices and hospitals. These facilities have modern equipment for theoretical and practical teaching activities in line with the most modern international standards.





Facilities

The **Valeriu Bologa University Library** provides excellent support for the teaching and research activities, and the library is renowned as one of the most modern and high-performance libraries of Romania.

Iuliu Hațieganu Publishing, the University's publishing house, and the **Victor Papilian Bookstore**, as well as the easy access to international academic databases, recommend our University as the right place for professional improvement and research.

One of the privileges of studying at the Faculty of Dental Medicine is the fact that the students have access to the **excellent accommodation** provided in the recently modernised University dormitories.

The University sports centre provides multiple options for leisure activities, and the **Students' Restaurant** on Victor Babeș street is highly appreciated by our students.



Dental Medicine Simulation Centre

The Simulation Centre is part of the University's development strategy and, in this context, the University has recently approved funds for the renovation, the modernisation and the equipment of the simulation facilities.

This centre provides learning and practical training opportunity through simulation, both for the undergraduate and the postgraduate students.

The centre's objectives are:

- Providing education and practical training by simulating the clinical conditions in the oral cavity, as well as an opportunity to contribute to the professional development of the teaching staff.
- Constantly improving the medical education system using the most effective training methods, the equipment and technology with the highest performance, thus ensuring state-of-the-art medical care for the patients in the safest conditions.
- Using simulation techniques and equipment to provide individualised cognitive and procedural learning.

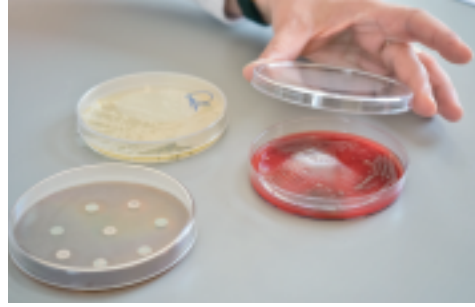


The new simulation-based medical teaching and practical training allow the students to earn the correct practical competences and abilities within a well-organised and well-structured framework, under the supervision of competent trainers, without putting patients at risk.

The simulation centre comprises 3 simulation laboratories with high-performance equipment. Each laboratory has 12 simulators (KAVO) and 1 demo workstation, a state-of-the-art system (EduNet) for broadcasting live demonstrations to the screens in front of each workstation, as well as specialised equipment (KAVO Autoscan scanner) and software (KAVO Dental Teacher) for an objective assessment of the students' dental preparations. These provide both a metric and a graphic assessment output, aimed at optimising the teaching process.



RESEARCH



The teaching and the students are involved in regional and international cooperation programmes, AUF (Agence Universitaire de la Francophonie) partnerships, as well as inter-centre research projects, most of them in collaboration with research teams of various international institutions.

The high-performance equipment of the Faculty's research laboratories and the collaborations with high-performance research centres allow the teaching staff, doctoral students and undergraduate students to participate to high-level research activities.

The teaching staff's and students' research covers up-to-date fundamental and clinical research fields in all the branches of dental medicine:

- Stem cell collection and stem cell cultures created in the Cell Cultures Laboratory for stem cell banks and stem cell transplant clinics.
- Developing and creating bone reconstruction biomaterials and scaffolds for oral and maxillofacial surgery.
- Diagnostic and therapy planning for bone defects patients, using the most performant imaging and investigation technologies for dental medicine in the Cranio-facial Deformities Centre Imaging Laboratory.
- In vitro and clinical testing for dentistry materials (composites, glass ionomer cements, dental ceramic), i.e. studying their optical and mechanical characteristics, tissular integration, tooth-restorative material interface adherence.



INTERNATIONAL RELATIONS AND MOBILITIES

The Erasmus+ programme is the current European framework for education, practical training, youth and sports cooperation, an investment in knowledge for earning competencies and skills benefiting the people, the institution and the entire society.

In higher education institutions, Erasmus+ is the broader framework for a multitude of strategic cooperation, teaching and students' mobilities, joint masters' programmes projects, all in cooperation with EU, EEA and other countries' universities and institutions.

Erasmus+ offers the students learning and internship opportunities in European universities and institutions.

The Erasmus+ mobilities allow the students to learn for a semester or a full year of studies in another European university, followed by their return to their home university to finish their studies and graduate. This ensures the learning continuity and grants access to a different education system, and, implicitly, to a different academic, cultural, social and language environment.

Our students can take advantage of our Erasmus+ partnerships with faculties from Austria, France, Poland, Germany, Italy, Spain, Portugal and Bulgaria.



ADMINISTRATIVE TEAM

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