

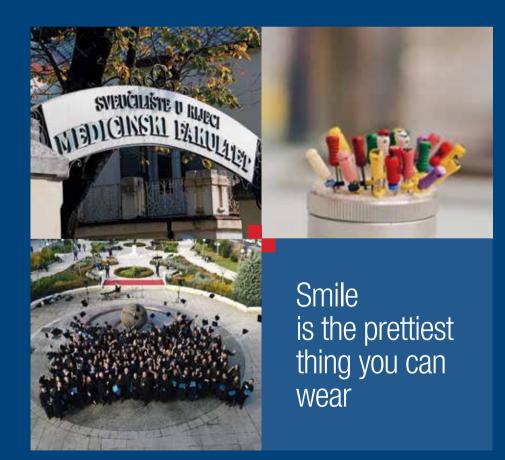
Sveučilište u Rijeci University of Rijeka



# UNIVERSITY OF RIJEKA, FACULTY OF MEDICINE

www.medri.uniri.hr

# DENTAL MEDICINE IN ENGLISH



DO MARTINO E ANTONIO FIR A TIELLI BRANGHETTA CHE CON OPERA AUNIFICA AL CONFORTO DEI DERELTT OUESTO STITUTO ERESSERO

NUNCE

# **DEAN'S FOREWORD**

The *Dental Medicine* study programme was founded in 1973 at the University of Rijeka and has been active since. Through its continuous advancement in more than 45 years, the Faculty has shown both desire and strength in developing the profession and the study programme. Students, as the most important factor in our work, are our colleagues who stay in touch with their professors even after the graduation – some of them even join our scientific and professional work.

Work at the Study of Dental medicine is a mix of teaching, professional and scientific activities that all represent parts of a large puzzle. Since the number of students is rather small, we are able to organize work in small groups, which practically means a lot of individual contacts between students and their professors/ mentors. We are proud of the fact that our students acquire knowledge, skills, and competencies for their future professional activities.

Apart from the quality of the educational process and the pleasant environment, studying in Rijeka is really enjoyable for various sports and social activities organized by Student organizations, as well as for the pleasant Mediterranean and Central European environment that our town has to offer.

Therefore, I invite you to visit our Faculty, get acquainted with the possibilities we have to offer and choose one of our study programmes.

The Dean Prof. Tomislav Rukavina, M.D., PhD.

# **RIJEKA THROUGH THE YEARS**



- 1281 St. Vitus' Rijeka was mentioned for the first time in the documents written by the Great Council of Venice
- **1315** Hugon II Devinski, the city ruler, founded the Augustinian monastery in Rijeka in the vicinity of which St. Geronimo's Church was also built
- 1438 Rijeka got a hospital, and two years later its first drugstore
- **1453** Prince Martin Frankopan built a monastery on Trsat with the permission of Pope Nicholas IV
- 1530 Emperor Ferdinand I approved the first Statute of Rijeka
- 1530 -1531 The Glagolitic printing house founded by Šimun Kožićić Benja began operating in Rijeka. Over a period of two years five books were printed both in the Glagolitic alphabet and in the Croatian language
- 1531 Rijeka received its first written Statute
- 1531 Klis captain, Petar Kružić ordered the construction of the first part of the Trsat steps
- **1599** The great plague took the lives of more than 300 inhabitants of Rijeka who lived inside the city walls; at that period Rijeka had over 2000 citizens
- 1627 The beginning of University in Rijeka, the Jesuits founded the first high school
- 1629 The Jesuit Theatre began operating in Rijeka, breaking ice for professional theatres
- **1638** The construction of the St. Vitus Church, which is now the Rijeka cathedral, began in keeping with the design of Giacomo Brian
- 1659 On 6 June, Emperor Leopold I assigned Rijeka its coat of arms with a two-headed eagle and the inscription "Inedficienter" – "Never running dry"

- 1690 The first consulate, the consulate of the Republic of Dubrovnik was opened in Rijeka
- 1719 Rijeka was proclaimed a free port with the decision of Emperor Charles VI
- **1726** The Jesuits opened the Faculties of Philosophy, Mathematics and Theology in Rijeka
- 1728 The Carolingian road (Rijeka Karlovac) was completed and opened
- 1750 A powerful earthquake destroyed Rijeka
- 1754 The sugar refinery which employed 1000 persons began operating in Rijeka
- 1776 Rijeka's Gubernia was founded, and its first governor was count Josip Mailath de Szekhely
- **1805** A. Lj. Adamić constructed a stone theatre in Rijeka, which, at that period was one of the largest in Europe
- 1821 Rijeka's paper mill (Hartera) was founded
- 1887 The Croatian Popular Reading Room on Trsat was built
- 1899 The electrical tram passes through Rijeka
- **1937** The construction of the Croatian Cultural Centre on Sušak began with the highest skyscraper in the Kingdom of Yugoslavia
- **1939** The beginning of construction of Rijeka's skyscraper at the beginning of Korzo based on Umberto Nordi's design
- 1955 The Faculty of Medicine Rijeka was founded
- 1962 The Municipality of Rijeka was founded
- **1973** The Study Programme in Dental Medicine was founded on The Faculty of Medicine Rijeka
- 2000 According to a decision by Pope John Paul II, Rijeka's archdiocese and metropolis were founded with headquarters in Rijeka
- 2004 Croatian candidacy for the EU
- 2005 The City of Rijeka took over the former area of the Trsat army barracks, becoming an almost completely demilitarized city. The University Campus was later built on that area.
- 2015 60th anniversary of the Rijeka Faculty of Medicine
- 2016 Foundation of the Medical studies in English program
- 2018 Foundation of the Dental Medicine in English on The Faculty of Medicine Rijeka

# **UNIVERSITY OF RIJEKA**

he University of Rijeka was founded in 1973 as a logical expansion of higher education institutions in western Croatia whose roots date back to the 17th century when the Rijeka Jesuit gymnasium was established. From its founding it has undergone a series of transformations which were for the most part the result of changes brought on by the national higher education policies.

Today the University integrates its constituents' functions and ensures their unified and harmonized activities. Its mission is dedicated to making strategic and development-oriented decisions on numerous issues regarding the functioning of the academic community and continued facilitation of international competitiveness in all areas of scientific, artistic and professional activities. Through active collaboration with the economic and business sector along with partnerships for community development the University endeavors to contribute toward the socio-cultural transition into a knowledge-based society.

Its vision targets the inclusion of the University of Rijeka within the top 500 European Universities, thus it has committed itself to dynamic development which systematically facilitates mobility and the development of research careers while providing each individual with an opportunity to express their talents and entrepreneurial energy.

### **UNIVERSITY DEPARTMENTS**

- Department of Biotechnology
- Department of Physics
- Department of Informatics
- Department of Mathematics

### FACULTY OF MEDICINE'S - TEACHING UNITS

- Centre for Rehabilitation "Fortica" Kraljevica
- Health Care Services of the Primorsko goranska County
- Clinical Hospital Centre Rijeka (KBC)
- Orthopaedic Clinic in Lovran
- Sanitarium "Veli Lošinj"
- Psychiatric Hospital Rab
- Thallasotherapy Crikvenica
- Thallasotherapy Opatija
- Institute for Emergency Medicine of the Primorsko goranska County

### FACULTIES AND ACADEMIES





Academy of Applied Arts

Faculty of Civil Engineering



Faculty of Economics



Faculty of Engineering



Faculty of Philosophy



Faculty of Tourism and Hospitality Management



Faculty of Health Care Studies



Faculty of Law



Faculty of Maritime Studies



Faculty of Medicine



# ORGANIZATION

### DEAN

### FACULTY MANAGEMENT BOARD



#### ADMINISTRATIVE AND PROFESSIONAL SERVICES

#### DEAN'S OFFICE

#### FINANCIAL-ACCOUNTING SERVICE

#### **PROCUREMENT SERVICE**

#### LEGAL, HUMAN RESOURCES AND CORPORATIVE SERVICE

#### STUDENT AFFAIRS SERVICE

#### SCIENTIFIC-RESEARCH SERVICE

#### INTERNATIONAL COOPERATION SERVICE

#### PROFESSIONAL-ADMINISTRATIVE SERVICE OF THE DENTAL MEDICINE STUDY

#### IT SERVICE

#### MAINTENANCE AND TECHNICAL SERVICE

#### LIBRARY

**INSTITUES/ DEPARTMENTS** 

#### ANATOMY

#### ANESTHESIOLOGY, REANIMATOLOGY AND INTENSIVE CARE

**BIOLOGY AND MEDICAL GENETICS** 

**CHEMISTRY AND BIOCHEMISTRY** 

**PEDIATRIC DENTISTRY** 

**CLINICAL LABORATORY DIAGNOSTICS** 

DERMATOVENEROLOGY

**ENDODONTICS AND RESTORATIVE DENTISTRY** 

**FAMILIY MEDICINE** 

FORENSIC MEDICINE AND CRIMINALISTICS

**GENERAL PATHOLOGY AND PATHOLOGICAL ANATOMY** 

**GYNAECOLOGY AND OBSTETRICS** 

HEALTH ECOLOGY

HISTOLOGY AND EMBRYOLOGY

**INFECTIOUS DISEASES** 

**INTERNAL MEDICINE** 

**MAXILLOFACIAL SURGERY** 

MEDICAL COMPUTER SCIENCE

MEDICAL PHYSICS AND BIOPHYSICS

MICROBIOLOGY AND PARASITOLOGY

MOLECULAR MEDICINE AND BIOTECHNOLOGY

NEUROLOGY

#### **NEUROREHABILITATION**

NEUROSURGERY

#### NUCLEAR MEDICINE

#### **ONCOLOGY AND RADIOTERAPHY**

**OPHTHALMOLOGY** 

**ORAL MEDICINE AND PERIODONTOLOGY** 

**ORAL SURGERY** 

**ORTHODONTICS** 

**ORTHOPAEDICS AND PHYSICAL MEDICINE** 

OTORHINOLARYNGOLOGY

PEDIATRICS

PHARMACOLOGY

PHYSIOLOGY, IMMUNOLOGY AND PATHOPHYSIOLOGY

**PSYCHIATRY AND PSYCHOLOGICAL MEDICINE** 

RADIOLOGY

**REHABILITATION MEDICINE** 

SOCIAL AND HUMANISTIC SCIENCES IN MEDICINE

SOCIAL MEDICINE AND EPIDEMIOLOGY

**PROSTHETIC DENTISTRY** 

SURGERY

**TECHNOLOGY AND FOOD CONTROL** 

UROLOGY

## DENTAL MEDICINE IN ENGLISH

Integrated undergraduate and graduate university study of Dental Medicine in English

TYPE OF STUDY PROGRAM: University

THE LEVEL OF THE STUDY PROGRAM: Integrated undergraduate and graduate

FIELD OF STUDY: **Medicine and Health** TYPE OF STUDY: **Full-time study** THE ANTICIPATED DURATION OF THE STUDY: **6 years, 360 ECTS** LANGUAGE OF THE STUDIES PERFORMED: **English** 

ACADEMIC / PROFESSIONAL TITLE AWARDED UPON COMPLETION OF STUDIES:

#### Doctor of Dental Medicine, dr.med. dent. / D.M.D.

REQUIRED EDUCATIONAL LEVEL FOR ENROLLMENT:

- completed four-year high school
- met prerequisites course
- passed the mandatory and optional tests
- the state graduation (according to the parameters valuation to be determined for each academic year),
- passed manual dexterity test

#### LEARNING OUTCOMES:

Education program for the doctors of dental medicine enables the acquirement of the following knowledge and competencies:

- adequate knowledge of sciences which form the basis for dental medicine and good understanding of the scientific methods, including the principles of biological functions and assessment of scientifically proved facts and data analysis;
- adequate knowledge of the structure, physiology and behavior of persons in sickness and health, as well as the influences of natural and social environments on human health in correlation to the impact these factors have on dental medicine;
- adequate understanding of the structure and function of teeth, oral cavity, jaws and related tissues in healthy and diseased individuals, as well as their relationship with the overall health and patients' physical and social well-being

- adequate knowledge of clinical disciplines and methods providing the doctors of dental medicine with a clear picture on anomalies, injuries and diseases of the teeth, oral cavity, jaws and related tissues, as well as prevention, diagnostics and therapy in dental medicine;
- adequate experience under surveillance of the responsible person.

Doctor of dental medicine is qualified for the activities including preventive care, diagnostics, and treatment of the anomalies affecting teeth, oral cavity and related tissues.



# CURRICULUM

An integrated undergraduated and graduated study

1 <sup>st</sup> YEAR				
SUBJECTS	L	Е	S	ECTS
Biophysics	25	30	20	4.0
Chemistry	30	30	30	7.0
Cell biology with genetics	40	30	30	5.5
Anatomy	38	46	66	17.5
Histology with embryology	30	30	30	7.0
Principles of dentistry	10	-	5	1.0
Biochemistry	30	30	30	7.0
Physiology and pathophysiology I	30	12	18	5.0
Physical and health culture	-	60	-	1.5
Bioethics and dental ethics	15	-	15	2.0
ELECTIVE SUBJECTS (2.5 ECTS)	L	Ε	S	ECTS
English language l	-	-	30	1.0
Italian language I	-	-	30	1.0
German language l	-	-	30	1.0
How to communicate with the deaf patients	15	0	0	1.0
Family in health and disease	-	-	15	0.5
Anxiety and how to get rid of it	-	-	15	0.5
Communication and interpersonal relationship quality	5	0	10	1.0

2 <sup>nd</sup> YEAR				
SUBJECTS	L	E	S	ECTS
Physiology and pathophysiology II	30	30	30	7.5
Microbiology with parasitology	30	15	30	6.0
Immunology	20	-	10	2.0
Pathology	50	30	40	10.0
Medical informatics	-	10	10	1.5
Tooth morphology with dental anthropology	30	75	-	8.0
Psychological medicine	15	20	5	2.5
Physiology and pathophysiology III	30	30	30	7.5
Pharmacology	30	15	45	7.5
Statistics	15	15	-	2.0
Structure and development of the tooth	10	10	10	2.0
Physical and health culture	-	60	-	1.5
ELECTIVE SUBJECTS (2.0 ECTS)	10	10	10	2.0
English language II	-	-	30	1.0
Italian language II	-	-	30	1.0
German language II	-	-	30	1.0
Inventions that advanced dental medicine	8	-	7	1.0
Addiction Prevention in Adolesence	5	0	10	1.0
Introduction to dental materials	10	0	10	1.0
Oral health condition for general health	-	-	15	1.0

3rd YEAR				
SUBJECTS	L	Е	S	ECTS
Clinical medicine 1	105	90	15	16.0
Clinical medicine 2	40	30	5	6.0
General and special surgery	25	25	-	3.5
Dental radiology	15	15	15	3,0
Anesthesiology, reanimatology and intensive care	12	15	8	2.5
Materials in dental medicine	15	-	30	3.0
Propedeutics and diagnostics in dental medicine	15	15	-	2.5
Cariesology	12	10	8	3.0
Preclinical removable prosthetics	30	60	15	6.5
Preclinical fixed prosthetics	30	60	15	6.5
Restorative dental medicine	14	45	10	4.5
Oral hygiene	8	15	7	2.0
ELECTIVE SUBJECTS (1.0 ECTS)	L	Ε	S	ECTS
Molecular diagnostics	10	2	3	1.0
Dental photography	5	10	-	0.5
Didactics in pediatric dental medicine- approach to the child	2	3	10	0.5
Anthropometry and cephalometry	10	-	5	0.5
Nutrition - health, disease and/or pleasure?	12	0	3	1.0

4 <sup>th</sup> YEAR				
SUBJECTS	L	E	S	ECTS
Removable prosthetics	30	60	30	7.5
Fixed prosthetics	30	60	30	7.5
Oral medicine	45	15	15	5.5
Restorative dental medicine	8	90	25	9.0
Endodontics	30	45	10	5.5
Periodontology I	30	30	-	3.5
Preclinical oral surgery	15	10	5	1,5
Preventive dentistry	20	10	-	2.0
Orofacial genetics	20	-	-	1.5
History of dental medicine	10	-	5	0.5
Public health	15	15	-	1.0
Forensic dental medicine	15	15	-	1.5
Gnathology	15	15	15	2.5
Pediatric dentistry	30	30	-	4,0
Preclinical orthodontics	15	30	-	3.0
Oral surgery	15	30	-	2.5
ELECTIVE SUBJECTS (1.5 ECTS)	L	Ε	S	ECTS
Electroodontometrics	7	-	8	1.0
Phonation in dento-medical prosthetics	-	-	15	1.0
Risk patients in dental practice	15	-	-	1.0
Digital images in dental medicine	2	-	8	0.5
Dental public health	15	0	0	1.0
Choice and maintenance of the equipment, devices, and instruments in dental office	10	0	5	1.0
Orofacial pain	5	0	10	1.0

5 <sup>th</sup> YEAR				
SUBJECTS	L	E	S	ECTS
Removable prosthetics	-	60	30	6.0
Fixed prosthetics	-	60	30	6.0
Pediatric dentistry	30	60	15	7.0
Clinical orthodontics	30	60	30	6.0
Oral medicine	-	30	30	4.5
Oral surgery	15	90	-	7.0
Periodontology II	-	75	30	6.0
Restorative dental medicine	-	60	-	3.5
Endodontics	-	90	10	6.0
Introduction to scientific research	20	-	-	0.5
Health management	15	-	15	1.0
Dental implantology	15	-	-	1.0
Maxillofacial surgery	30	30	-	4.0
Gerodontology	5	-	10	1.0
ELECTIVE SUBJECTS (0.5 ECTS)	L	Ε	S	ECTS
Possibilities of pre-prosthetic surgery in the oral cavity	-	-	15	1.0
Pregnant women in dental practice	-	-	15	1.0
Aspects of complex prosthetic dento-medical rehabilitation	-	-	15	1.0
Esthetic dental medicine	-	-	15	1.0
Minimally invasive techniques in facial aesthetics	5	0	10	1.0
Application of new technologies in dental medicine	5	-	10	1.0
Esthetic surgery head and neck	10	0	5	1.0
3d treatment planning of the face and jaws	0	0	15	1.0

6 <sup>th</sup> YEAR				
SUBJECTS	L	E	S	ECTS
Pediatric dentistry	-	30	-	3.0
Interdisciplinary orthodontics	-	10	5	2.0
Maxillofacial surgery	-	30	-	3.0
Removable prosthetics	-	45	-	3.5
Fixed prosthetics	-	45	-	3.5
Oral surgery	-	60	-	5.0
Endodontics	-	60	-	5.0
Comprehensive dentistry	-	30	30	5.0
Practice	-	400	-	24.0
Graduate thesis	-	100	-	3.0
Graduate exam	-	-	-	3.0

# **CLINICAL TEACHING**



Clinical Hospital Centre Rijeka



Thalassotherapia Opatija

## CLINICAL HOSPITAL CENTRE RIJEKA

#### LOCALITY: RIJEKA

LOCALITY: SUŠAK

LOCALITY: KANTRIDA



Clinic of Anaesthesiology and Intensive Care Clinic of Dermatovenerology Clinic of Paediatrics Clinic of Gynaecology and Labour Clinic of Infectious Diseases Clinic of Internal Medicine Clinic for Surgery Clinic for Maxillofacial Surgery

Clinic for Neurosurgery Clinic for Neurology Clinic for Ophthalmology Clinic for Otorhinolaryngology and Head and Neck Surgery Clinic for Psychiatry

#### **Clinic for Dental Medicine**

**Clinic for Urology** Clinical Department for Clinical Microbiology **Clinical Department for Laboratory Diagnosis Clinical Department for Nuclear Medicine** Clinical Department for Radiology **Clinical Department for Transfusion Medicine Department for Physical and Rehabilitation Medicine Emergency Medicine Centre** Centre for Clinical, Health and Organizational Psychology Centre of Operation Rooms and Sterilization for the locality Sušak Hospital farmacy Clinic for Radiotherapy and Oncology. Unit for Ensuring and Developing the Quality of Health care **Centre for Medical Physics and Radiation Protection Department for Palliative Medicine** Department for Clinical Cytology





The staff of the Clinic for Dental Medicine (taken in 2018)

## STUDENT ACTIVITIES AND STUDENT ORGANIZATIONS

Student work – independent or within a student organization – has always been supported by the teaching staff of the Study of Dental medicine.

Students may either be members of the organization CroADS (Croatian Association of Dental Medicine Students) or they can participate independently in various projects. CroADS gathers all the students regardless of the study year, helping them to organize, plan and run student projects. CroADS member meetings are held several times a year.

Student projects may be divided into two groups. The first group is represented by the projects targeted at students who desire to improve their scientific and research work which is subsequently presented at the congresses or in the student journal Fissura. Another group includes the projects run outside the institution, mostly aimed at oral health improvement; for example, there is currently a project called "tooth – Blackamoor" for children, regular school visits which are the part of the project called "The class with the prettiest smile" funded by the City of Rijeka, oral hygiene workshops organized for the students of the University of Rijeka, oral hygiene workshops for the retirement homes, etc.





Furthermore, EVP (European Visiting Programme) is held biennially where a limited number of foreign students visit our School and during the seven-day course take part in lectures, exercises and specially designed workshops. Our students are also given the opportunity to visit other universities within the same program.

We have also held student congresses on two occasions. The second "RiCon" had an international audience, hosting over 150 students from all across the Europe.

Once a year we publish a student journal called Fissura. The journal has been published since 2015 and included a total of more than 60 articles. The authors are mainly students mentored by the teachers of the Study of Dental medicine. The topics include all the areas of dental medicine, with addition of some interesting extracurricular student activities.

Besides CroADS, students may apply for the sport teams and therefore participate in popular student games called Humanijada – this competition involves all the biomedical faculties in Croatia. Finally, all the students are welcome to participate in the student choir."







#### Our main committees are:

SCOPE - Standing committee on professional exchange



SCORE - Standing committee on research exchange



SCOPH - Standing committee on public health



SCORA - Standing Committee on Reproductive Health including HIV/AIDS



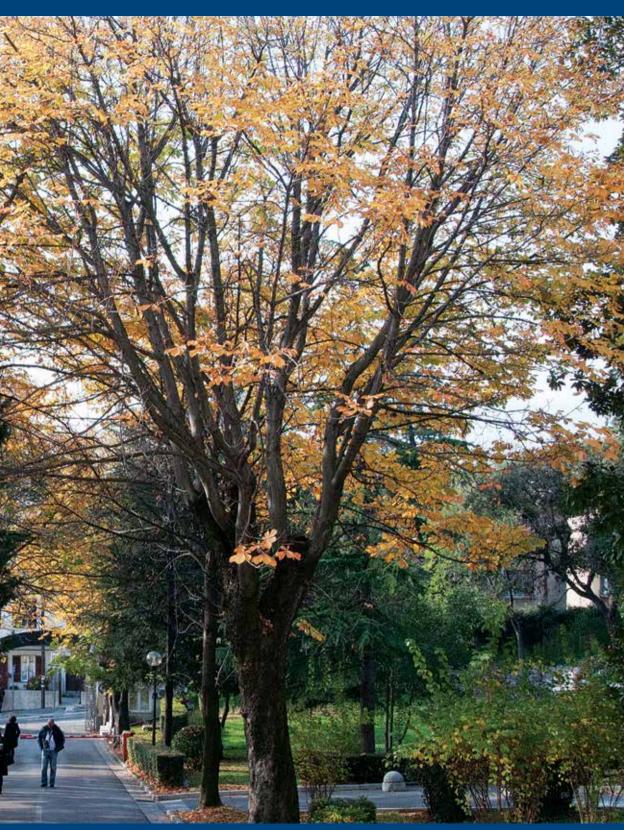
SCORP - Standing Committee on Human Right and Peace



SCOME - Standing Committee on Medical Education







### No health without oral health



#### University of Rijeka Study of Dental Medicine

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