



University of Zagreb
SCHOOL OF DENTAL MEDICINE

Dental Medicine

POSTGRADUATE
DOCTORAL
study

STUDY PROGRAM

1948

Being that the modern society is increasingly based on knowledge, high education and scientific research has become an imperative for the individual, the community and even the entire nation's development. Dynamic changes and fast development of relevant sciences have considerably modified the lifestyles. Due to this, we continuously have to prove and promote the achievements of our profession and undergo permanent evaluation of our personal work.

Organized research activity at the School of Dental Medicine has been developing for decades, which is particularly enhanced by our teachers' cooperation with a number of prominent international scientists and institutions. Thus, not only declaratively, we confirm our involvement in global and particularly European integrations. Over the years, our faculty has achieved great success by participating in numerous scientific researches and projects, which is evidenced by many prominent scientific papers and awards.

During the academic year 2007/2008, after the international assessment and in accordance with the criteria set by the National Council for Higher Education as well as the instructions given by the Rector's Assembly of the Ministry of Science, Education and Sports the Zagreb University School of Dental Medicine has been given the licence to conduct a postgraduate Doctoral study in "Dental Medicine".

Based on the principles of excellence, this Doctoral study comprises the best that the Zagreb University School of Dental Medicine can offer scientifically in the current economic circumstances. The contents of the studies are mainly conceptually linked to scientific projects and are delivered with constant mentor's support by prominent experts. .

The objective of the postgraduate doctoral study in "Dental Medicine" is primarily to introduce young lecturers into scientific research. However, all potential users who consider this form of education a challenge in their medical professional career are welcome. Upon study completion, the graduates are rewarded a Ph.D. title in the field of Dental Medicine, Biomedicine and Healthcare. I am confident that this study will be a challenge to all young colleagues in search of new knowledge and insights.

Dean

Prof. Hrvoje Brkić, PhD

PROGRAM OF THE POSTGRADUATE DOCTORAL STUDY “DENTAL MEDICINE”

I st YEAR	II nd YEAR	III rd YEAR
Methodological and branch subjects (I st and II nd credit group) 36 points	Mentor consultations Research seminar Presentation skills display	Mentor consultations Research seminar Presentation skills display
Research activities (III rd credit group) 144 points		

MILESTONES OF THE PhD STUDENTS' PROGRESS (MS)

MS1 – The Ethics Committee approval for the research; the end of the 2nd semester

MS2 – PhD thesis application; the end of the 2nd semester

MS3 – PhD thesis acceptance; the end of the 4th semester

MS4 – Annual PhD student's and mentor's progress report (Dr.sc. 04 and Dr.sc. 05); the end of the 2nd, 4th and 6th semester

MS5 – 144 scientific activity points achieved; when submitting the dissertation for the assessment

Methodological subjects

Code	Lecturer	Subject	Type	Total	Lectures	Seminars	Practicals	ECTS
1	Alajbeg, Ivan	Analytical, in vitro and in vivo laboratory methods for bioactive and biocompatible substances research	M	20	6	10	4	4,0
2	Anić, Ivica	Writing a scientific paper	M	20	5	10	5	4,0
3	Borić, Vesna	Information sources in Dental Medicine	M	15	5	0	10	3,0
4	Brkić, Hrvoje	Dental Profileing	M	20	3	12	5	4,0
5	Gajović, Srećko	Biomorphological Methods in Dentistry Research	M	25	13	12	0	5,0
6	Grgurević, Lovorka	Molecular Biology of Mineralized Tissues	M	25	10	5	10	5,0
7	Kujundžić Tiljak, Mirjana	Biostatistics	M	30	5	15	10	6,0
8	Matulić, Tonči	Ethics in Biomedical Research	M	15	9	6	0	3,0
9	Šlaj, Mladen	Morphometric 3D analysis of the craniofacial system	M	20	4	10	6	4,0
10	Šlaj, Mladen	Oral epidemiology	M	30	0	15	15	6,0
11	Ulovec, Zlatko	Epidemiological methods in research	M	20	5	5	10	4,0
				240	65	100	75	48

Branch subjects

Code	Lecturer	Subject	Type	Total	Lectures	Seminars	Practicals	ECTS
12	Alajbeg, Iva	Chronic orofacial pain diagnostics and somatic and sensory testing methods in the orofacial region	B	25	7	10	8	5,0
13	Anić Milošević, Sandra	Photogrammetry and Aesthetics in Orthodontics	B	15	5	5	5	3,0

14	Anić, Ivica	Basic and advanced research techniques in Endodontics and laser application in Dentistry	B	20	8	6	6	4,0
15	Aurer, Andrej	Periodontium, periimplant tissues and occlusal forces	B	10	5	5	0	2,0
16	Badel, Tomislav	Temporomandibular pain and osteoarthritis	B	20	6	7	7	4,0
17	Baraba, Anja	Investigation of laser influence on biomechanical properties of dental materials and hard dental tissues	B	15	4	5	6	3,0
18	Bašić Kes, Vanja	Scientific approach to genetics, epidemiology, patophysiology, diagnostics and pain treatment in the head and neck region	B	30	8	12	10	6,0
19	Biočina-Lukenda, Dolores	Oral and Medical Aspects of Systemic Autoimmune Diseases	B	20	6	7	7	4,0
20	Biočina-Lukenda, Dolores	A Modern Approach to the Issues Regarding Oral Premalignant Lesions	B	15	5	5	5	3,0
21	Bošnjak, Andrija	Dental Implant Design	B	10	0	8	2	2,0
22	Božić, Darko	Regenerative periodontal therapy and tissue engineering	B	10	3	3	4	2,0
23	Budimir, Ana	Microbiological methods in dental medicine	B	30	6	14	10	6,0
24	Carek, Andreja	Metals and alloys as biomaterials	B	15	0	7	8	3,0
25	Čelebić, Asja	Stomatognathic bone tissue analysis; the impact of functional wear; aging, implant therapy and/or prosthetics	B	20	6	7	7	4,0
26	Čelebić, Asja	Prosthodontic patient and quality of life evaluation after prosthodontics: questionnaires, factor analysis and psychometric qualities	B	20	6	7	7	4,0
27	Čizmić, Alena	Experimental photopolymerization	B	15	5	2	8	3,0
28	Čuković-Bagić, Ivana	Epidemiology of dental erosion among adolescents	B	15	5	8	2	3,0
29	Čatić, Amir	Biomechanic principles in implant-prosthodontic therapy	B	20	5	12	3	4,0
30	Čatović, Adnan	Biomechanics in Fixed Prosthodontics	B	10	4	4	2	2,0
31	Čelić, Robert	Clinical and radiological examination of the success of implant-prosthetic treatment in completely edentulous patients	B	20	3	7	10	4,0
32	Dukić, Walter	Evaluation of clinical and preventive methods of caries therapy	B	20	4	8	8	4,0
33	Dumančić, Jelena	Morphometry in Dental Anthropology	B	15	2	7	6	3,0
34	Galić, Nada	Examination of the toxicity of dental materials and their influence on human organism and environment	B	15	5	5	5	3,0
35	Glavina, Domagoj	Evaluation of dental materials in Pediatric Dentistry	B	25	6	10	9	5,0
36	Janković, Bernard	Successful evaluation of preventive and minimally invasive procedures for the treatment of dental hard tissue	B	17	9	3	5	3,0
37	Jurić, Hrvoje	Clinical and experimental endodontics in primary and permanent teeth"	B	15	2	5	8	3,0
38	Karlović, Dalibor	Scientific Research in Psychostomatology	B	20	6	7	7	4,0
39	Karlović, Zoran	Endodontic surgery: contemporary approach, methods and materials	B	20	5	9	6	4,0
40	Katanec, Davor	Contemporary methods in Dental Implantology	B	15	6	5	4	3,0
41	Katunarić, Marina	Ion release from tooth hard tissues due to the exogenous and endogenous factors	B	15	2	2	11	3,0
42	Knezović Zlatarić, Dubravka	Importance of dental color assessment in various dental treatments	B	20	3	7	10	4,0
43	Kraljević Šimunković, Sonja	Clinical and instrumental analysis of the stomatognathic system	B	15	5	0	10	3,0

44	Krmek, Silvana	Immunohistochemical and molecular analysis of pulp and periapical tissue inflammation	B	15	6	3	6	3,0
45	Lapter Varga, Marina	Conventional and Digital Cephalometry in Orthodontics	B	20	7	4	9	4,0
46	Lovrić, Jasna	Oxidative stress	B	10	5	4	1	2,0
47	Ljubičić, Neven	Correlations and connections between the diseases of mouth and teeth and the cardiovascular and gastrointestinal diseases	B	15	2	8	5	3,0
48	Majstorović, Martina	Evaluation of the application of inhalation sedation in dentistry	B	15	0	8	7	3,0
49	Mehulić, Ketij	Ceramics in Prosthodontics	B	20	6	10	4	4,0
50	Meštrović, Senka	Finite element method in biomechanical analysis of the craniofacial system	B	20	6	10	4	4,0
51	Miletić, Ivana	Investigation of biological and technical qualities of root canal filling materials	B	15	6	6	3	3,0
52	Mravak Stipetić, Marinka	Molecular diagnostics of oral diseases	B	15	5	2	8	3,0
53	Negovetić Vranić, Dubravka	Experimental methods of determining the effectiveness of the resources for the maintenance of oral hygiene	B	15	0	8	7	3,0
54	Pavelić, Božidar	Histopathological analysis of periapical diseases	B	10	2	4	4	2,0
55	Pečina-Šlaus, Nives	Genome of tumor cells	B	15	5	5	5	3,0
56	Perić, Berislav	Sinus lifting-evaluation of different operating techniques	B	20	4	10	6	4,0
57	Peroš, Kristina	Determination of fluoride in human enamel after treatment with topical fluoride agents	B	15	3	6	6	3,0
58	Plančak, Darije	Epidemiological and systemic aspects in the etiology of periodontal diseases	B	15	5	5	5	3,0
59	Prskalo, Katica	Experimental evaluation of glass ionomer cements	B	15	4	5	6	3,0
60	Simeon, Paris	Management in dental medicine	B	10	6	0	4	2,0
61	Stipetić-Ovčariček, Jasmina	Localized alveolar crest defects, influence on esthetics and the anchors of fixed prosthodontics	B	20	4	4	12	4,0
62	Šamija, Ivan	Laboratory methods in immunology: polymerase chain reaction and flow cytometry	B	20	0	7	13	4,0
63	Šegović, Sanja	Quality evaluation of postendodontic systems	B	15	3	6	6	3,0
64	Šerman, Ljiljana	Epigenetics		15	2	7	6	3,0
65	Šitum, Mirna	New findings on melanoma with special emphasis on head and neck melanomas	B	20	9	4	7	4,0
66	Šlaj, Martina	Digital gnathometrics and CAD CAM assisted treatment in orthodontics	B	15	2	7	6	3,0
67	Špalj, Stjepan	Assessment of orthodontic treatment need	B	15	5	6	4	3,0
68	Tarle, Zrinka	Experimental methods for determining the quality of composite materials	B	20	6	7	7	4,0
69	Tarle, Zrinka	Experimental methods for determining the effectiveness of adhesive systems	B	20	6	7	7	4,0
70	Trkanjec, Zlatko	Neurological causes of chewing and swallowing (mastication and deglutition) disorders	B	15	6	7	2	3,0
71	Uglešić, Vedran	Orthodontic and surgical treatment of skeletal face deformities	B	10	3	3	4	2,0
72	Verzak, Željko	Epidemiology of caries activity in adolescents	B	15	5	5	5	3,0
73	Vodanović, Marin	Odontobiography - the basics of stomatognathic system meta-analysis	B	20	5	0	15	4,0
74	Vojvodić, Denis	Fiber reinforced polymer materials in prosthetic dentistry	B	15	5	5	5	3,0
75	Zadravec, Dijana	Digital radiological imaging of the H&N tumors	B	15	3	6	6	3,0
				1083	286	393	404	216

REQUEST FOR GRADING THE EXTRACURRICULAR ACTIVITIES (IIIRD SCORE GROUP)

Name and surname:

Address:

Phone: E-mail:

Student Status:

Name of the Study	SEMESTER	ACADEMIC YEAR	FACULTY CERTIFICATE
Postgraduate doctoral study "Dental Medicine"	I/II		
	III/IV		
	V/VI		

Points in the IIIrd score group (144 points have to be scored, out of which 120 points are the minimum for the 1a, 1b and 2)

Score group and the activity type				Points	Number of research papers (student fills out this section)	Total (Committee fills out and verifies this section)
Group I	a	CC/ SCIE journal	First author	Q1	80	
				Q2	70	
				Q3	60	
				Q4	50	
	b		Co-author	Q1	60	
				Q2	50	
				Q3	40	
				Q4	30	
a B	Other international indices	First author		40		
		Co-author		30		
Group 2	Conference participation (presenting author at the lecture or at the poster presentation)	International oral presentation		30		
		International poster presentation		20		
		Local oral presentation	15			
		Local poster presentation	10			
Group 3	Symposium or Continuous Education Course attendance (In the last three years)			5		
						Total

Condition: Within the 144 points, the candidate has to be the first author in at least one research paper in the 1a journal category, which is related to his/her doctoral dissertation, author or a co-author of at least one research paper in a CC/SCIE indexed journal and give a presentation on the international or local congress and scientific conference

Number of scientific papers in which the candidate is the first author	No. Scientific Papers	Necessary for PhD
Number of scientific papers from the 1a group in which the candidate is the first author and in which the topic is related to the candidate's dissertation		min 1
Number of scientific papers indexed in CC/SCIE in which the candidate is the author or co-author		min 1
Number of presentations at international or local congresses or conferences		min 1

Must be provided:

- Copies of published scientific papers
- Copies of abstracts
- Verified confirmation on research papers' citation

In Zagreb, year

Date of the Committee Session: _____ (Student's signature)

Committee Chair Signature: _____ (Mentor's signature)

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