

Course title

Occupational health disorders in dental medicine

Department

Department of Dental Anthropology

Address

School of Dental Medicine, Department of Dental Anthropology, Gundulićeva 5, HR-10000 Zagreb, Croatia

Total ECTS points

3 ECTS

Course leader

Marin Vodanović

Course associates

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Teaching plan

	Number of school hours
Lecture	15
Seminar	5
Practical	-
Total	20

1 school hour = 45 minutes

Course description

This course explores the relationships between work in the dental office and health with a specific focus on occupational diseases and diseases related to work.

The aim of the course is to discuss the impact of various occupational health risk factors on the health of doctors of dental medicine and other members of the dental team; their identification, evaluation, control and prevention.

The course is intended for doctors of dental medicine, doctors of medicine and all others who care about health enabling understanding and research of this issue at the level of PhD studies.

Learning outcomes

1. to recognize the most important occupational health risk factors in the dental office
2. to conduct a risk evaluation in the dental office
3. to describe the main steps in risk prevention of exposure to occupational health hazards in the dental office

Course content

Lectures

	Topics	Number of school hours
1.	Occupational health and occupational medicine	1
2.	Occupational medicine: legislation	1
3.	Occupational diseases in dental medicine	1
4.	Diseases related to work in dental medicine	1
5.	Risk factors in working environment in dental medicine	1
6.	Occupational stress	1
7.	Injuries at work	1
8.	Occupational health disorders in restorative dentistry	1
9.	Occupational health disorders in endodontics	1
10.	Occupational health disorders in periodontology	1
11.	Occupational health disorders in pediatric dentistry	1
12.	Occupational health disorders in oral surgery	1
13.	Occupational health disorders in oral medicine	1
14.	Occupational health disorders in orthodontics	1
15.	Occupational health disorders in prosthodontics	1

1 school hour = 45 minutes

Seminars

	Topics	Number of school hours
1.	Occupational respiratory diseases	1
2.	Occupational allergic diseases	1
3.	Physical overload related occupational diseases	1
4.	Occupational diseases caused physical factors	1
5.	Burnout syndrome	1

1 school hour = 45 minutes

Literature

- Vodanović, Marin (editor). Occupational diseases and diseases related to work in dental medicine [text in Croatian]. Jastrebarsko: Naklada Slap; 2015.

CV (*curriculum vitae*) and bibliography of course leader

Bibliography

<https://www.bib.irb.hr/pretraga?operators=and|Vodanovi%C4%87.%20Marin%20%2829327%29|text|profile>

Marin Vodanovic, studied dental medicine at the School of Dental Medicine, University of Zagreb, Croatia and received his dental degree in 1999. In 2005 he obtained his Master of Science degree, and 2008 his PhD degree. He specialized in endodontics and dental pathology and completed his studies at University Hospital Centre Zagreb, Croatia in 2010. In 2014 he became Head of the Department of dental anthropology, School of Dental Medicine, University of Zagreb and in 2015 Vice Dean at School of Dental Medicine, University of Zagreb.

His main areas of research expertise are in paleodontology, forensic dentistry, dental anthropology endodontics, occupational diseases, dental terminology and application of artificial intelligence in dentistry. He served as project leader and researcher at several projects. In 2012 he was at the Smithsonian Institution, Washington DC, USA performing an investigation of tooth wear. He is author or coauthor of more than 250 publications including several books, textbooks, dictionaries and book chapters.

He is editor in chief of the Bulletin of the International Association for Paleodontology and Newsletter of the International Organization for Forensic Odonto-Stomatology, member of editorial board of Acta stomatologica Croatica, Stomatološki vjesnik Bosne i Hercegovine, and Croatian Dental Herald (2006 - 2008). In 2015 he served as a guest editor in Annals of anatomy.

He served as speaker and keynote speaker on conferences worldwide. He is a founder and president of the International Association for Paleodontology, secretary of the Croatian Association of Forensic Stomatologists, member of the executive board of International Organization for Forensic Odonto-Stomatology, Croatian Endodontic Association, Croatian Dental Society, Croatian Medical Association, Croatian Catholic Medical Society and Croatian Dental Chamber.

He served as reviewer for many journals including: American Journal of Physical Anthropology, PLOS ONE, Archives of Oral Biology, Journal of Archaeological Science, International Journal of Osteoarchaeology, Journal of Clinical Pathology and Forensic Medicine, Journal of Dental Education, Journal of Forensic Dental Sciences, Acta stomatologica Croatica etc.

In 2006 he was awarded with Republic of Croatia National Science Award.

More information at: <http://www.marinvodanovic.com>