Academic year 2021./2022.

Course title

Dental profiling

Department

Department of dental anthropology / Chair of forensic dentistry

Adress

School of Dental Medicine University of Zagreb, Gundulićeva 5, Zagreb

Total ECTS points

4 (four)

Course leader

Professor Hrvoje Brkić

Course associates

Teaching plan

	No. classes
Lecture	3
Seminar	12
Practical	5
Total	20

1 class = 45 minutes

Course description

Dental prifiling is related to the field of dental anthropology and forensic dentistry. Namely, when it is not possible to achieve the identity of a living person or human remains, then we apply methods to determine dental age, gender and race using dento-anthropological and craniofacial characteristics. The course consists of three hours of lectures in which students receive basic information on the topic. Through the exercise part, students determine the dental age in children and adults using orthopantomograms and dental plaque. The seminar part is related to searching for literature and making a power point presentation on a selected topic. Each student presents his presentation to the colleagues who enrolled in the course.

Learning outcomes

Determine dental age in children using X-rays

Determine dental age in adults

Assess gender based on dental and craniofacial characteristics

Course contet

Lecture

	Lecture topics	**Number of classes/hours**
1.	Dental profiling	1
2.	Dental age determination	1
3.	Gender and race assessment	1
4.	-	-
5.	-	-
6.	-	-
7.	-	-
8.	-	-

1 sat = 45 minuta

Seminari

	Seminar topics	**Number of classes/hours**
1.	Determination of dental age in children	3
2.	Determination of dental age in adolescents	3
3.	Determination of dental age in adults	3
4.	Sex and race estimation by dento-anthropological parameters	3
5.	-	-
6.	-	-
7.	-	-
8.	-	-

1 sat = 45 minuta

Vježbe

	practicals topics	**Number of classes/hours**
1.	Determination of dental age in children	1
2.	Determination of dental age in adolescents	1
3.	Determination of dental age in adults	1
4.	Race assessment	1
5.	Sex assessment	1
6.	-	-
7.	-	-
8.	-	-

1 class = 45 minute

Literature

Brkić H, Leesig R, Alves da Silva H, Pinchi V, Thevissen P. Forensic odonto-Stomatology by IOFOS. Jastrebarsko: Školska knjiga, 2021.

Brkić H, Dumančić J, Vodanović M. Biology and morphology of human teeth. Jastrebarsko: Školska knjiga, 2021.

Alt KW, Rosing FW, Teschler-Nicola M. Dental anthropology – Fundamentals, limits, and prospects. Wien, New York: Springer, 1998.

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

Hrvoje Brkić was born on August 12, 1963 in Zagreb. After finishing primary and secondary school, he enrolled at the Faculty of Dentistry, University of Zagreb in 1983. He graduated in 1988, received his master's degree in 1990, and his doctorate in 1992. Since 1993, he has been a member of the National Team for the Identification of Victims of the Homeland War in Croatia, in which he participates in the analysis of the teeth of exhumed victims from mass graves and conducts dental identification.

He introduced forensic dentistry to higher education at the University of Zagreb in 1997, when the Department of Forensic Dentistry at the Department of Dental Anthropology was opened. To date, he has led several Croatian research projects as well as two international projects funded by the EU. From 2003 to 2012 he was the Vice Dean for International Cooperation of the Faculty of Dentistry, and from 2012 to 2018 he was the Dean of the Faculty of Dentistry, University of Zagreb. Hrvoje Brkić has actively participated in numerous international conferences and has published more than 250 scientific and professional publications, books and book chapters.

He is a member of several international editorial boards of scientific journals, and since 2006 he has been the editor-in-chief of the journal Acta stomatologica Croatica. He is currently the leader of a scientific project funded by the Croatian Science Foundation entitled "Dental Analysis in Forensic and Archaeological Research" 2021-2025. He crowned his international reputation with the position of visiting professor at the University of Lisbon, where he was elected in 2021. In this capacity, he conducts lectures and exercises at the graduate and postgraduate level of the Faculty of Dentistry, University of Lisbon.

In 2017, he was elected President of the International Organization of Forensic Dentistry (IOFOS) and was re-elected in 2000 for a second term of three years. He is the winner of the National Award for Science in the Republic of Croatia in 2012. Since 2018, he has been the head of the Department of Dental Anthropology and the head of the Clinical Department of Family Dentistry at the University Hospital Center in Zagreb.

He is the President of the College of Dental Sciences at the Croatian Academy of Medical Sciences. He is a member of numerous domestic and international associations and the president of the Croatian Association of Forensic Dentists.

He is married and the father of three children.

Bibliography

https://www.bib.irb.hr/pretraga?operators=and|Brki%C4%87,%20Hrvoje%20%2813505%29|text|profile