

Course title: Dental materials in Paediatric Dentistry

Department: Department of Paediatric and Preventive Dental Medicine

Address: Gundulićeva 5

Total ECTS points: 4

Course leader: Prof.dr.sc. Domagoj Glavina

Course associates

Teaching plan

	No. classes
Lecture	10
Seminar	10
Practical	
Total	20

1 class = 45 minutes

Course description

Learning outcomes

1. Evaluate properties of restorative and therapeutic dental materials and its application in paediatric dental medicine
2. Use principles and techniques of clinical application of restorative dental materials to repair deciduous and permanent teeth tissues
3. Evaluate possibilities of aesthetic reconstruction in paediatric dentistry
4. Consider indications and application of CAD/CAM systems and properties of ceramic materials for CAD/CAM systems

Course content

Lecture

	Lecture topics	Number of classes/hours
	-Materials for pulp treatment of primary and permanent teeth-Calcium hydroxide, MTA, Ferric sulphate, Zinc oxide	1
	Glassionomers	1

University in Zagreb School of Dental Medicine

PhD program at School of Dental Medicine

Academic year 2021./2022.

	-Adhesion on hard dental tissues-principles, materials	1
	Adhesive systems- clinical analysis, handling, USPHS criteria	1
	-Compomers	1
	Composite materials	1
	CAD/CAM systems: clinical analysis, polishing, USPHS criteria	1
	Dental materials selection for primary teeth restoration: comparative clinical analysis-USPHS criteria	1
	Materials for fissure sealing- preventive effect analysis	1
	Principles of aesthetic teeth reconstruction in paediatric dentistry	1

1 sat = 45 minuta

Seminari

	Seminar topics	Number of classes/hours
	-MTA and Biodentine- clinical application	2
	Adhesive systems-laboratory testing and clinical application	2
	Glassionomer cements-laboratory testing and clinical application	2
	Composite materials-laboratory testing and clinical application	2
	CAD/CAM systems- clinical application	2
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	-	-
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	-	-
	-	-

1 sat = 45 minuta

Vježbe

	practicals topics	Number of classes/hours

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	-	-
	-	-
	-	-
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1 class = 45 minutes

Literature

1. Craig RG, Powers. Restorative dental materials. St.Louis, CV Mosby Co. 2002.
2. Nakabayshi N, Pashley DH. Hybridization of dental hard tissues. Tokyo, Quintessence Publishing 1998.
3. McCabe JF, Walls AWG. Applied Dental Materials. Ames, Blackwell Publishing 2008.
4. Geissberger M. Esthetic dentistry in clinical practice. Ames, Blackwell Publishing 2010.

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CV (curriculum vitae) and bibliography of course leader