

SYLABUS

<b>Subject:</b>	Propedeutics of Dental Medicine2		
<b>Study programme:</b>	Dental Medicine	<b>Semester:</b>	2. semester
<b>Valuation:</b>	<b>exam</b>	<b>Obligation:</b>	obligatory
<b>Number of hours:</b>	1 h.lecture and 3 h.practice/ week		56 hours

**Place: Department of Stomatology and Maxillofacial Surgery and Akademia Košice n.o.**

**1st Department of Stomatology**

**Department of Stomatology and Maxillofacial Surgery**

**Monday 7:30-9:00 P2 OTW**

<i>Week</i>	<i>Lectures</i>	<i>Practice</i>
1.	<p>Conservative dentistry –content, goals, division</p> <p><b>13.2.2023</b></p>	<p>Introduction to the dental training laboratory, familiarize with the working environment. Basic principles of safety in the dental training laboratory: Required clothing, hygiene of work, working with an open fire- gas burner, prevention of injuries at work.</p> <p><b>Repetition :</b> Morfology of molars in drawing and their clinical characteristic. Tooth signation, position of the teeth in dental arch, orientation on the tooth surfaces</p> <p>Plaster – chemical composition and properties, kinds of plaster, procedure</p> <p><b>Practice:</b> Basic prosthetic points and planes, relationship between dental arches – orientation on the skull</p> <p>Technical handpiece and micromotor handpiece– principles of working procedure in dental training laboratory, safety during working procedures</p>
	<p>Caries dentis- dental decay –basic characteristic of disease, etiology, role of microbial dental plaque, classification of dental caries under location, etc.,</p>	<p><b>Test :</b> Signation of the teeth, basic morphologic terms of teeth</p> <p><b>Practice :</b> Caries dentis : characteristics of disease, etiology, role of dental microbial plaque, classification under course, under location, etc. Preparation on plastic plate using different burs –training of correct holding of handpiece and correct position of the students’ body during preparation. Students prepare according to a given pattern on plastic plate</p>
2.	<p>Instruments used in conservative dentistry /included matrix/</p> <p><b>27.2.2023</b></p>	<p><b>Repetition :</b></p> <p>Instruments used in conservative dentistry –practical distinction</p>

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		<b>Practically</b> : Continuing in training of preparation on plastic plate. Students prepare extracted molars or premolars in plaster roll, – for preparation on 4th practice
	Classification of dental caries – Black’s classification and its role in present time. General rules for dental hard tissue preparation	<b>Repetition</b> : Morfology of occlusal surfaces of maxillary and mandibular premolars and molars Inlay wax -: properties, working procedure , principles  <b>Practically</b> : Carving of occlusal surfaces of lower molar by using inlay wax
3.	Cavity preparation under Black –class I.and V. <b>13.3.2023</b>	<b>Repetition</b> : Classification of caries lesion by Black  General rules of cavity preparation , preparation I. and V. class by Black  <b>Practically</b> : Cavity preparation of I. and V. class by Black
	Cavity preparation under Black –class II.	<b>Repetition</b> : Rules of preparation by Black class II  <b>Practically</b> : Cavity preparation of II. class by Black
4.	Cavity preparation under Black –class III. And IV. <b>27.3.2023</b>	<b>Writing test</b> : Dental caries, , etiology, clasification under course,etc  <b>Repetition</b> : Cavity preparation class III. by Black .  <b>Practically</b> : Cavity preparation of III. class by Black
	Filling materials –properties requirements, division. Cavity lining material,scements . Materials indicated for preservation of pulp vitality.	<b>Repetition</b> : Rules of preparation class IV. by Black  Filling materials – properties, division, requirements.  <b>Practically</b> : Cavity preparation of IV.class by Black
5.	Amalgam – history, current status, types of amalgam restorative materials, general considerations for amalgam restorations. Advantages, disadvantages. <b>10.4.2023 - SVIATOK</b>	<b>Repetition</b> : Cavity lining cementum  <b>Practically</b> : Preparing of cavity lining cementum. Amalgam – preparing, working rules Filling of prepared cavity class I. and V. by Black
	Esthetic filling materials. Rewiev of used materials, composition, properties, working procedures	<b>Repetition</b> : Amalgam, instruments used for cavity filling , matrix  <b>Practically</b> : Filling of prepared cavity class II. by Black

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		Polishing of amalgam filling from previous practice
6.	<p>Esthetic filling materials – basic division and composition. Glassionomer cementum Temporary filling materials. Working procedures, properties and safety rules for working by using light curing lamp.</p> <p><b>24.4.2023</b> <b>TEST FOR LECTURES</b></p>	<p><b>Repetition :</b> Esthetic filling materials -</p> <p><b>Practically :</b> Filling of prepared cavity class III. by Black ( cavity lining cementum, conventional composite – Evicrol, selection of color) Polishing of amalgam filling from previous practice</p>
	Instruments used for root canal treatment (endodontic treatment)	<p><b>Repetition :</b> Glassionomers</p> <p><b>Practically :</b> Filling of prepared cavity class IV.by Black ( cavity lining cementum, conventional composite – Evicrol, selection of color)</p>
7.	<p>Basic rules of root canal trepanation. Root filling materials – conditions, properties, preparing, application</p> <p><b>8.5.2023 - SVIATOK</b></p>	<p><b>Test :</b> Filling materials</p> <p><b>Practically :</b> Filling by cavity lining and conventional composite Instruments used for root canal treatment</p>
	Biomechanical root treatment. Test.	<p><b>Practically :</b> Rules of root canal trepanation, anatomy of root canals.</p> <p>Instruments used for root canal treatment – practical</p> <p>Distinction.</p> <p>Finalisation of working procedures</p>

### Specific conditions for passing the subject:

Completion of 100% participation in practical exercises and lectures. Continuous review with a record of assessment during clinical teaching. Passing a test from lectures with a minimum rating of 60%.

Final test with a grade of at least 60%.

### References:

- Kotrání,M.,Markovská,N.: Basics of stomatology, 1996
- Jedynakiewitz,N.M.: A practical guide to technology in Dentistry. Wolfe Publ.,1992, ISBN 0-7234- 1742X
- Levison,H.: Textbook for dental nurses, 1991
- Klepáček,I.,Mazánek,J.: Klinická anatomie pro stomatology, Grada, Avicenum, 2001,ISBN 80-7169-770-2
- Hubálková Hana, Krňoulová Jana, Materiály a technologie v protetickém zubním lékařství, Galén, 2009, ISBN - 978-80-7262-581-9
- Jedynakiewitz,N.M.: A practical guide to technology in Dentistry. Wolfe Publ.,1992,ISBN 0-7234-1742X

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Banerjee, Watson: Pickard's Manual of Operative Dentistry, 2011, Oxford University Press ISBN-13: 978-0199579150  
Scheid R.C.: Woelfel's Dental Anatomy: Its Relevance to Dentistry, 2011, Lippincott Williams & Wilkins, ISBN-13: 978-1608317462