

SYLABUS

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

Place: Department of Stomatology and Maxillofacial Surgery
1st Department of Stomatology
Department of Dentistry and Maxillofacial Surgery and Specialized Hospital
for Head and Neck Diseases, Academy of Košice, n.o.
Monday 7:30-9:00 P3 OCW

<i>Week</i>	<i>Lectures</i>	<i>Practice</i>
1.	<p>Conservative dentistry –content, goals, division. Caries dentis- dental decay –basic characteristic of disease, etiology, role of microbial dental plaque,classification of dental caries under location, etc.,</p> <p>10.2.2025</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>Repetition : Morfology of molars in drawing and their clinical characteristic. Tooth signation, position of the teeth in dental arch, orientation on the tooth surfaces Plaster – chemical composition and properties, kinds of plaster, procedure</p> <p>Practice: Basic prosthetic points and planes, relationship between dental arches – orientation on the skull Technical handpiece and micromotor handpiece– principles of working procedure in dental training laboratory, safety during working procedures. 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’ s body during preparation. Students prepare according to a given pattern on plastic plate Test : Signation of the teeth, basic morphologic terms of teeth</p>
2.	<p>Instruments used in conservative dentistry /included matrix/. Classification of dental caries – Black’s classification and its role in present time. General rules for dental hard tissue preparation</p>	<p>Repetition : Instruments used in conservative dentistry –practical distinction. Morfology of occlusal surfaces of maxillary and mandibulary premolars and molars. Inlay wax -: properties, working procedure, principles.</p>

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	24.2.2025	Practically : Continuing in training of preparation on plastic plate. Students prepare extracted molars or premolars in plaster roll, – for preparation on 4th practice. Carving of occlusal surfaces of lower molar by using inlay wax.
3.	Cavity preparation under Black –class I.and V, class II. 10.3.2025	Repetition : Classification of caries lesion by Black. General rules of cavity preparation ,preparation I. and V. class by Black Rules of preparation by Black class II Practically : Cavity preparation of I. and V. class by Black Cavity preparation of II. class by Black.
4.	Cavity preparation under Black –class III. And IV. Filling materials –properties requirements, division. Cavity lining material,scements . Materials indicated for preservation of pulp vitality. 24.3.2025	Writing test : Dental caries, , etiology, clasification under course,etc Repetition : Cavity preparation class III. by Black . Rules of preparation class IV. by Black. Filling materials – properties, division, requirements. Practically : Cavity preparation of III., IV. class by Black.
5.	Amalgam – history, current status, types of amalgam restorative materials, general considerations for amalgam restorations. Advantages, disadvantages. Esthetic filling materials. Rewiev of used materials, composition, properties, working procedures 7.4.2025	Repetition : Cavity lining cementum Amalgam, instruments used for cavity filling , matrix. Practically : Preparing of cavity lining cementum. Amalgam – preparing, working rules Filling of prepared cavity class I. and V. by Black. Filling of prepared cavity class II. by Black. Polishing of amalgam filling from previous practice.
6.	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. Instruments used for root canal treatment (endodontic treatment). 21.4.2025 - sviatok	Repetition : Esthetic filling materials. Glassionomers Practically : Filling of prepared cavity class III., IV. by Black (cavity lining cementum, conventional composite – Evicrol, selection of color) Polishing of amalgam filling from previous practice
7.	Basic rules of root canal trepanation. Root filling materials – conditions, properties, preparing, aplication. Biomechanical root treatment. Test. 5.5.2025 TEST FOR LECTURES	Test : Filling materials Practically : Filling by cavity lining and conventional composite Instruments used for root canal treatment Rules of root canal trepanation, anatomy of rooth canals. Instruments used for root canal treatment – practical distinction. Finalisation of working procedures

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:

Kotrán,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

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