

SYLABUS

<b>Subject:</b>	<i>Conservative Dentistry I</i>		
<b>Study programme:</b>	<i>Dental Medicine</i>	<b>Semester:</b>	<i>6. semester</i>
<b>Valuation:</b>	<i>absolved</i>	<b>Obligation:</b>	obligatory
<b>Number of hours:</b>	<i>1 h.lectures and 3 h.practicals / week</i>		<i>56 hours</i>

**Place: Department of stomatology and Maxillofacial Surgery**

**1 st Department of Stomatology**

**Department of Dentistry and Maxillofacial Surgery and Specialized Hospital  
for Head and Neck Diseases, Academy of Košice, n.o.**

**Lectures: Tuesday OTW PB 11:45-13:15**

<i>Week</i>	<i>Lectures NVT /OTW/</i>	<i>Practice</i>
1.	Introduction to cariology and basics of dental caries epidemiology. Dental caries and its management. Theories of the onset of the dental caries. <b>11.2.2025</b>	Introduction to cariology, dental caries and its management. Examination and treatment of the patient. <b>Evaluation of knowledges</b>
2.	Aetiology of tooth decay processmikroorganisms, nutrition. Saliva – its properties, function. Oral hygiene. <b>25.2.2025</b>	Aetiology of tooth decay process, nutrition, mikroorganisms. Examination and treatment of the patient. <b>Evaluation of knowledges</b>
3.	Pathomorphology of dental caries, carious process in enamel and dentine. Defence mechanisms against carious process – remineralisation, sclerotic dentine, transparent dentine. <b>11.3.2025</b>	Pathomorfological picture of dental caries. Defence mechanisms against carious process – sclerotic dentine, transparent dentine. Examination and treatment of the patient. <b>Evaluation of knowledges</b>
4.	Clinical classification of dental caries. Non – carious tooth defects – erosion, abrasion, attrition,traumatic. <b>25.3.2025</b>	Clinical classification of dental caries. Non – carious tooth defects. Examination and treatment of the patient. <b>Evaluation of knowledges</b>
5.	Principles of treatment of dental caries – the objectives of restoring teeth, the basic working principles acording G.V.Black, principles of cavity preparation, preparation techniques according to the used dental material. <b>8.4.2025</b>	Principles of dental caries treatment, basic preparation techniques according G.V.Black. Principles of dental caries treatmentpreparation techniques according to the used dental materials. Examination and treatment of the patient. <b>Evaluation of knowledges</b>
6.	Treatment of dental caries-pulp protection, materials used to protect pulp, classification, Calcium hydroxide and its role in cariology. <b>22.4.2025</b>	Treatment of dental caries – pulp protection. Calcium hydroxide and its role in cariology. Examination and treatment of the patient. <b>Evaluation of knowledges</b>

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7.	Treatment of dental caries –plastic fillings, amalgams, properties, indication, inserting, carving, polishing. <b>6.5.2025</b> <b>TEST FOR LECTURES</b>	Treatment of dental caries – plastic fillings. Treatment of dental caries – amalgams. Examination and treatment of the patient. <b>Evaluation of knowledges</b>
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### **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%.

Theoretical knowledges - under contents of clinical practice

Important part is refernce about treated patient, his/her history, up to now treatment and about precedure which will be done by the student. In the case of lack of student's knowledges, student wil not exam and treat the patient

Written test – evaluation A – E (min. 60%)

### **Treatment procedures:**

Complex examination of oral cavity and facial region of adult patient and treatment plan 14

Vital treatment of dental pulp – indirect pulp caping 8

Amalgam fillings 5

X-ray evaluation 15

### **References:**

Whaites,E.: Essentials of dental radiography and radiology,1998,ISBN 0 443 05349 9

Thylstrup, A, Fejerskov, O.: Textbook of clinical cariology, 1994, ISBN 87 16 10916 3

Fejerskov O, Kidd E.: Dental caries. The disease and its Clinical Management, 2003, ISBN 9781405138895

Pickard s Manual of Operative Dentistry , 2011, ISBN-10: 0199579156 , ISBN-13: 978-0199579150

Markovská,N.,Janitorová,E.: Preventívne zubné lekárstvo 1-Pracovné listy

Stejskalová,J.: Konzervační zubní lékařství, 2003, ISBN: 8072622250

Hellwig, E.: Záchovná stomatologie a parodontologie, 2003,ISBN 80 247 0311 4