

Program of Study : Dentistry

Course : Preventive Dentistry and Cariology 2

Abbreviation : ST1/ZAA03

Schedule : 30 hours of lectures
45 hours of pract. trainings

Course Distribution : 2nd year, 3rd semester

Number of Credits : 0

Course Form : Lectures, pract. trainings

Lectures :

Guarantor: doc. MUDr. Květoslava Nováková, CSc.

MDDr. Petra Kamínková, Ph.D.
Stomatolog Yuliya Morozova, Ph.D.
MDDr. Markéta Miklasová
MDDr. Monika Kovalská
MDDr. Klára Tichá
MDDr. Magdaléna Ďurinová
MDDr. Tímea Pilipová

Study: Continuous, **Wednesday, 14:45 – 16:15**, Seminar room UZQ 203030

	Date		Hours	Teachers
1	21.9.2022	Prevention of dental caries and periodontal diseases - oral hygiene. Home oral hygiene, aids for mechanical removal of dental plaque.	2	Nováková/ Kovalská
	28.9.2022	Public holiday		
2	5.10.2022	Prevention of dental caries and periodontal diseases - oral hygiene. Teeth brushing techniques.	2	Nováková/ Kovalská
3	12.10.2022	Composition and properties of toothpastes. Clinical recommendations.	4	Nováková/ Pilipová
4	14:45 – 17:45	Composition and properties of mouthwashes. Clinical recommendations.		
5	19.10.2022	Prevention of dental caries - remineralizing agents.	4	Nováková/

6	14:45 – 17:45	Systemic and local fluoridation, fluorosis. Nutrition and oral health. Stefan's curve.		Tichá
7	26.10.2022	Professional oral hygiene - motivation, instruction, plaque removal, pigmentation, tartar and plaque retention sites/localizations. The role of dental hygienist in preventive dentistry.	2	Nováková/ Miklasová
8	2.11.2022	Fissure sealing and preventive fillings. Resources, workflow.	2	Nováková/ Miklasová
9	9.11.2022	Initial carious lesion therapy - possibility of therapy depending on location, minimally invasive caries treatment techniques.	2	Nováková/ Tichá
10	16.11.2022	Cavitation carious lesion therapy - current procedures in cavity preparation. Dentinal wound protection.	2	Nováková/ Morozova
11	23.11.2022	Overview of the properties of current filling materials. Basic workflow steps.	2	Nováková/ Žurínová
12	30.11.2022	Preventive aspects in the treatment of dental caries - in the preparation of the cavity, in the filling of the cavity, in the final treatment of fillings.	2	Nováková/ Morozova
13	7.12.2022	Non-carious defects of hard dental tissues. Classification, etiology, mechanism of origin, prevention.	2	Nováková/ Kamínková
14	14.12.2022	Developmental defects of hard dental tissues. Classification, etiology, prevention.	2	Nováková/ Kamínková
15	21.12.2022	Credit	2	Nováková/ Kamínková

Practical trainings:

Guarantor: doc. MUDr. Květoslava Nováková, CSc.

Teachers:

MDDr. Petra Kamínková, Ph.D.
MDDr. Monika Kovalská
MDDr. Adam Kovalčík
MDDr. Markéta Miklasová
MDDr. Tímea Pilipová
MDDr. Klára Tichá

Monday 13.00 – 15.15

	Week from- up to	Pediatric dentistry office group/topic				Periodontology group/topic		Hours
1.	19.9.2022	A	topic 1	B	topic 1	C	topic 1	3
2.	26.9.2022	B	topic 2	C	topic 1	A	topic 1	3
3.	3.10.2022	C	topic 2	A	topic 2	B	topic 1	3
4.	10.10.2022	A	topic 3	B	topic 3	C	topic 2	3
5.	17.10.2022	B	topic 4	C	topic 3	A	topic 2	3
6.	24.10.2022	C	topic 4	A	topic 4	B	topic 2	3
7.	31.10.2022	A	topic 5	B	topic 5	C	topic 3	3
8.	7.11.2022	B	topic 6	C	topic 5	A	topic 3	3
9.	14.11.2022	C	topic 6	A	topic 6	B	topic 3	3
10.	21.11.2022	A	topic 7	B	topic 7	C	topic 4	3
11.	28.11.2022	B	topic 8	C	topic 7	A	topic 4	3
12.	5.12.2022	C	topic 8	A	topic 8	B	topic 4	3
13.	12.12.2022	A	topic 9	B	topic 9	C	topic 5	3
14.	19.12.2022	B	topic 10	C	topic 9	A	topic 5	3
15.	26.12.2022 the state holiday	C	topic 10	A	topic 10	B	topic 5	3

Way of ending :

Credit

Number	Office/topic
Pediatric dentistry office	
1.	Introduction of the dental office, principles of communication with the patient and the nurse. Medical history – personal, medical, allergies.
2.	Oral hygiene - plaque detection (index PLI), dental hygiene instruction, dental hygiene utensils (brushes, floss), motivation of the patient. Professional hygiene treatment. Practice: plaque detection, professional treatment of dental hygiene (polishing).
3.	Fluorides, local&systematic fluoride application. Relative&absolute dry field. Practice: fluoride residue testing in families (questionnaire), professional hygiene treatment, relative dry field, application of local fluoride solutions.
4.	Examination: intra+extra oral, index PLI, CPITN. Dental topographical record. Practice: dental examamination (check up) of the student practiced on each other, dental picture diagram, state record of the denture.
5.	Medical documentation. Practice: dental check up of the students each other, digital recording of documentation – PC Dent.
6.	Examination: tooth vitality test, percussion, palpation. Practice: tooth vitality test, percussion, palpation
7.	Preventive programme. Individual diet consultancy. Practice: Preventive programme
8.	Knowledge control – dental instruments, equipment in dental office, examination, basic procedures
9.	Revision.
10.	Credit.
Periodontology	
1.	Surgery introduction, principles of communication with patient and nurse. Plaque, PLI index, instruments for dental plaque detection and removing.
2.	Principles of periodontal examination, index PBI, CPITN.
3.	Calculus, calculus removing, instruments for calculus removing. Ball model. Antibacterial rinse.
4.	Home care of oral health, dental floss, IAP probe (interdental access probe), interdental brushes, dental rinse.
5.	Ball model, students´ plaque and calculus removing each other. Credit.

The finishing conditions: 100% attendance on practical trainings, preventive programme, fulfilment of practical trainings limits: 3x teeth and periodontal tissue examination, 2x polishing, 1x local fluoridation, 1x dental hygiene instruction, 3x globular model, 1x calculus removing

Credit conditions: Continuous testing of manual operations.
Knowledge control: achievement on the tests in practical trainings, final knowledge revision.

Literature:

Directions of dean LF – B-18/14 – It is possible to past 1/3 of obligate education, but only upon an apology.

Student must have own instruments for plastic filling. We recommend to buy WHO probe. Instruments sterilization will be provided by Dental Clinic.

[Primary Preventive Dentistry \(8th Edition\)](#) by Norman O. Harris, Franklin Garcia-Godoy and [Christine Nielsen Nathe](#)
Publication Date: June 17, 2013 | ISBN-10: 0132845709 | ISBN-13: 978-0132845700 | Edition: 8

[Comprehensive Preventive Dentistry](#) by Hardy Limeback
Publication Date: July 10, 2012 | ISBN-10: 0813821681 | ISBN-13: 978-0813821689 | Edition: 1

[Sturdevant's Art and Science of Operative Dentistry, 6e \(Roberson, Sturdevant's Art and Science of Operative Dentistry...\)](#) by Harald O. Heymann DDS MEd, Edward J. Swift Jr. DMD MS and Andre V. Ritter DDS MS
Publication Date: May 1, 2012 | ISBN-10: 0323083331 | ISBN-13: 978-0323083331 | Edition: 6

Kilian Jan: Stomatology for students of general medicine, Praha , Karolinum, 2002, p 128
ISBN 802460471X

Tyldesley, William Randolph: Diagnosis in color oral medicine, Barcelona, Mosby-Wolfe, 1994, p256 . ISBN 0723431205

Recommended utensils:

Colorful pencils (red, blue, yellow, black)

Students are obliged to come to practical trainings in white clothes – trousers and shirts + white socks, shoes and name tag. Students wearing a cloak cannot attend practical trainings.