

Course descriptions

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COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚA/J-S-ZL-006/16	Course title: Anatomy for Dental Medicine (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 4 / 3 per level/semester: 60 / 45 Form of the course: on-site learning	
Number of credits: 8	
Recommended semester: 1.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 93% participation in practicals, at least 60% success rate on written tests Scale of assessment (preliminary/final): 10/90	
Learning outcomes: Graduate acquires detailed knowledge of the systematic anatomy of the locomotor system - general and special osteology, arthrology and myology and some organ systems. Knowledge will be the basis for the study of topographical anatomy and also for the subsequent study of physiology, pathological anatomy and clinical disciplines.	
Class syllabus: Contents of lectures is systematic anatomy: Locomotor apparatus - general bone structure, bone joints and skeletal muscles; Cardiovascular system; Digestive system. In the practicals students study special osteology, arthrology and myology - the bones and joints of the head, neck and trunk and bones, joints and muscles of the limbs.	
Recommended literature: Čihák R.: Anatomie I. Praha: Grada, 2001. 497 s. ISBN 80-7169-970-5 Čihák R.: Anatomie II. Praha: Avicenum, 2002. 470 s. ISBN 80-247-0143-X Mráz P. a kol. Anatómia ľudského tela 1. Bratislava: SAP, 2004. 509 s. ISBN 80-89104-57-6 Mráz P. a kol. Anatómia ľudského tela 2. Bratislava: SAP, 2005. 487 s. ISBN 80-89104-96-7 Mráz P. a kol. Pitevné cvičenia. Martin: Osveta, 1995. 199 s. ISBN 80-217-0550-7 Šedý, Jiří,Foltán, RenéKlinická anatomie zubů a čelistí. 1. Vyd. Praha: vydavatel'stvo Triton, 2009. 175 s. ISBN 978-80-7387-312-7 M.J.Fehrenbach, S.W.Herring: Illustrated anatomy of the head and neck 4th Edition. Elsevier, 2012, 317pp. ISBN 978-1-4377-2419-6	
Languages necessary to complete the course: slovak	
Notes:	

Past grade distribution						
Total number of evaluated students: 17						
A	ABS0	B	C	D	E	FX
29,41	0,0	23,53	35,29	5,88	5,88	0,0
Lecturers: doc. MUDr. Yvetta Mellová, CSc., MUDr. Gabriela Hešková, PhD., MUDr. Lenka Kunertová, RNDr. Magdaléna Marčková, PhD., doc. MUDr. Desanka Výbohová, PhD.						
Last change: 26.10.2016						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚA/J-S-ZL-009/17	Course title: Anatomy for Dental Medicine (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 4 / 3 per level/semester: 60 / 45 Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 2.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 92% participation in practicals, 100% participation in dissection, at least 60% success rate on written tests Final Exam: • the written part: at least 65% success rate for the written exam - • practical examination • oral examination Scale of assessment (preliminary/final): 20/80	
Learning outcomes: The graduate of anatomy knows anatomy of the human body in the extend necessary for pregraduate studies. The graduate understand principles of human body, its parts and organs construction up to such details, that the gathered knowledge is permanent and becomes a base for understanding of physiological and pathological processes and changes and later is the base for the study of clinical disciplines.	
Class syllabus: The content of the lectures is systemic anatomy - urinary system, male and female reproductive systems and nervous system. The content of the practical is practical study of organ systems - cardiovascular, digestive, respiratory, urogenital systems and nervous system. The contents of dissection is practical study of topographical anatomy - topographic-anatomical dissection of head, neck, trunk and limbs.	
Recommended literature: Čihák,R. Anatomie I. Praha: Grada, 2001. 497 s. ISBN 80-7169-970-5 Čihák,R. Anatomie II.Praha: Avicenum, 2002. 470 s. ISBN 80-247-0143-X Mráz,P. a kol. Anatómia ľudského tela 1. Bratislava: SAP, 2004. 526 s.ISBN 80-89104-57-6 Mráz,P. a kol. Anatómia ľudského tela 2. Bratislava: SAP, 2006. 495 s. ISBN 80-89104-96-7 Mráz,P. a kol. Pitevné cvičenia. Martin: Osveta, 1995. 199 s. ISBN 80-217-0550-7 M.J.Fehrenbach, S.W.Herring: Illustrated anatomy of the head and neck 4th Edition. Elsevier, 2012, 317pp. ISBN 978-1-4377-2419-6	
Languages necessary to complete the course:	

slovak						
Notes:						
Past grade distribution						
Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Yvetta Mellová, CSc., MUDr. Gabriela Hešková, PhD., doc. MUDr. Desanka Výbohová, PhD.						
Last change: 09.01.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.KAIM/2-J-ZL-065/16		Course title: Anesthesiology and Intensive Medicine				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / 1 per level/semester: 7,5 / 15 Form of the course: on-site learning						
Number of credits: 1						
Recommended semester: 9.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Beata Drobná Sániová, PhD., MUDr. Silvia Učňová						
Last change: 11.10.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚCJ/J-S-ZL-002/16		Course title: Basic of Medical Terminology				
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 30 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 1.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 17						
A	ABS0	B	C	D	E	FX
70,59	0,0	5,88	11,76	0,0	11,76	0,0
Lecturers: PhDr. Mária Bujalková, CSc.						
Last change: 10.10.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-093/17	Course title: Conservative Dentistry (6)
Educational activities: Type of activities: practicals Number of hours: per week: 13,33 per level/semester: 199,95 Form of the course: on-site learning	
Number of credits: 7	
Recommended semester: 11., 12..	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III; Preventive Dentistry I, II; Conservative Dentistry, Endodontics I, II, III, IV, V	
Course requirements: Attendance 100 % Consecutive Evaluation-test: minimum to pass: 65% Rate in final evaluation: 80 %. Consecutive assessment of individual work Rate in final evaluation: 20 % Scale of assessment (preliminary/final): Consecutive Evaluation-test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80 %. Consecutive assessment of individual work: performance of the prescribed number of all types of practical tasks within Cariology and Endodontics and Aesthetic Dentistry Final Evaluation: State Exam (12th week)	
Learning outcomes: Students acquire complex picture of complications resulting from noncompliance with the basic preparational principles when treating the hard dental tissues. They learn about the possibilities of reconstruction of dental crowns using pulpal or parapulpal retention systems. Part of the subject's aim is also to make the students understand the professional ethics and familiarise themselves with the ethical standards towards patients and sanitariat staff. The students are capable of solving the cases of Conservative Dentistry boundary to Prosthodontics, Surgery and Periodontics. All knowledge to be used in work with casualties in the dental suite.	
Class syllabus: Mistakes in Cavity Preparation and Filling Application; Noncompliance with the Basic Preparation Principles. Complex Endodontic Sanation, Complications of Endodontic Treatment. Possibilities of Crown Reconstruction in Devital Teeth – Pulpal and Parapulpal Retention Systems. Traumatic Lesion of Crown and Root and its Treatment. Differential Diagnostics of Pain in Orofacial Area. Examination and Indications of Treatment of Focal Dental Infection.	

Professional Ethic and Ethical Standards in Relation to Patients, Staff and Colleagues.
Questions in Conservative Dentistry Boundary to Prosthodontics, Surgery and Periodontics.

Recommended literature:

Duránik, V., Javorka, V. a kol.: Praktické cvičenia z predklinickej stomatológie. I. 2., uprav. vyd. Bratislava: Univerzita Komenského, 1999. 63 s. Skriptá. ISBN 80-223-1361-0.
Gojišová, E. a kol.: Estetická stomatologie II. Praha: Grada, 2000. 90 s. ISBN 8071697486.
Hellwig, E., Klimek, J., Attin, T.: Záchovná stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4.
Javorka, V., Janková, M., Tomandlová, A.: Praktické cvičenia z preventívnej stomatológie. Bratislava: Univerzita Komenského, 1995. 81 s. Skriptá. ISBN 80-223-0910-9.
Kotula, R.: Endodoncia filozofia a prax. Bratislava: Herba, 2006. 180 s. ISBN 8089171419.
Kotula, R.: Ošetrovanie devitálnych zubov. Martin: Osveta, 1984. 233 s.
Madárová, L.: Klinická endodoncia. Košice: LF UPJŠ, 1994. 236 s. Skriptá. ISBN 807097267.
Novák, L. a kol.: Základy záchovnej stomatologie. Praha: Avicenum, 1981. 322 s.
Peřinka, L., Bartúšková, Š., Záhlavová, E.: Základy klinické endodoncie. Praha: Quintessenz, 2003. 288 s. ISBN 80-903181-2-6.
Stejskalová, J. a kol.: Konzervační zubní lékařství. Praha: Grada, 2003. 235 s. ISBN 80-7262-225-0.
Kováč, J.: Základy endodoncie. Bratislava: Univerzita Komenského v Bratislave, 2013, ISBN 80-223-3390-0, skriptá.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 7

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.

Last change: 12.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-043/17	Course title: Conservative Dentistry, Endodontics (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 30 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I.	
Course requirements: Attendance 100 % Consecutive written evaluation – test: minimum to pass: 65% Practical Exam Scale of assessment (preliminary/final): Consecutive written evaluation – test: minimum to pass: 65% Evaluation Scheme: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final result: 80% Practical Exam: individual work. Differentiation of the caries cavities according to Black, hard tooth tissue preparation, ingress and opening of the caries socket, creating the cavity profile and preventive extension of the cavity, imbedding – retention of the filling, securing stability- resistance of the tooth and filling, removing the remnants of the carietal dentine, customization of the enamel walls and edges, cleaning and final inspection of the cavity, treatment of the I st class caries, treatment of the II class caries, treatment of the III class caries, treatment of the IV class caries, treatment of the tooth neck – V class. Rate in final result: 20%	
Learning outcomes: Students gain complete information on etiopathogenesis, diagnostics and treatment of the dental caries. Students understand possible complications resulting from a non-treated dental caries. They acquire the knowledge on etiopathogenesis, diagnostics and treatment of the tooth pulp condition. Students familiarise with the techniques of tooth pulp treatment. They also gain skills in work with rotating instruments in the oral cavity and instrumentation in the root canals. They also learn about the complications resulting from pathologic condition of the tooth pulp. Students are able to make practical use of the acquired knowledge in work with patients.	
Class syllabus: Subject and Contents of Cariology, Economical importance of Caries Treatment. Examination of the Patient, Anamnesis Importance, Documenting. Etiopathogenesis of Caries . Caries Diagnostics.	

Defence Mechanisms against Caries – epimineralisation, transparent dentine, tertiary dentine Pathomorphology of Caries. Treatment of Caries – clinical principles of preparation, indications. Practical Treatment of Different Caries Types (according to Black), microinvasive preparations Direct and Indirect Pulp Cap – Hyperesthesia of dentine. Developmental, Congenital and Acquired Changes of the Hard Dental Tissues. Diagnostics and Treatment of the Non-Carious Defects of the Hard Dental Tissues. Incorrect Enamel Walls Customization, Inadequate Preventive Extensions. Importance of the Quality of the Filling material, Choice of Correct instruments for Material Application, Adherence to the Parameters of the mixing and hardening time of the given materials Dystrophic and Regressive Changes of the Tooth pulp. Inflammatory Condition of the Pulp – hyperaemia, acute and chronic inflammations. Reversible and Irreversible Conditions of the Pulp. Treatment of the Pathological Conditions of the Pulp. Vital and Mortal Methods of the Treatment of Pathologically Changed Pulp. Tooth Pulp Amputation. Pulp Extirpation. Necrosis and gangrene of the Pulp. Complications of the Treatment of Pathological Conditions of the Pulp.																				
Recommended literature: Duránik, V., Javorka, V. a kol.: Praktické cvičenia z predklinickej stomatológie. I. 2., uprav. vyd. Bratislava: Univerzita Komenského, 1999. 63 s. Skriptá. ISBN 80-223-1361-0. Hellwig, E., Klimek, J., Attin, T.: Záchovná stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4. Javorka, V., Janková, M., Tomandlová, A.: Praktické cvičenia z preventívnej stomatológie. Bratislava: Univerzita Komenského, 1995. 81 s. Skriptá. ISBN 80-223-0910-9. Kotula, R.: Ošetrovanie devitálnych zubov. Martin: Osveta, 1984. 233 s. Madárová, Ľ.: Klinická endodoncia. Košice: LF UPJŠ, 1994. 236 s. Skriptá. ISBN 807097267X. Novák, L. a kol.: Základy záchovné stomatologie. Praha: Avicenum, 1981. 322 s. Peřinka, L., Bartúšková, Š., Záhlavová, E.: Základy klinické endodoncie. Praha: Quintessenz, 2003. 288 s. ISBN 80-903181-2-6. Stejskalová, J. a kol.: Konzervační zubní lékařství. Praha: Grada, 2003. 235 s. ISBN 80-7262-225-0. Kováč, J.: Základy endodoncie. Bratislava: Univerzita Komenského v Bratislave, 2013, ISBN 80-223-3390-0, skriptá.																				
Languages necessary to complete the course:																				
Notes:																				
Past grade distribution Total number of evaluated students: 0 <table border="1"> <thead> <tr> <th>A</th><th>ABS0</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td></tr> </tbody> </table>							A	ABS0	B	C	D	E	FX	0,0	0,0	0,0	0,0	0,0	0,0	0,0
A	ABS0	B	C	D	E	FX														
0,0	0,0	0,0	0,0	0,0	0,0	0,0														
Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.																				
Last change: 07.12.2017																				
Approved by: prof. MUDr. Jarmila Procházková, CSc.																				

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-053/15	Course title: Conservative Dentistry, Endodontics (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 7.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III; Preventive Dentistry I, Conservative Dentistry, Endodontics I	
Course requirements: Attendance 100 % Consecutive Evaluation-test: minimum to pass: 65% Rate in final evaluation: 80 %. Practical Exam (individual work) Rate in final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation-test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80 %. Practical Exam (individual work): treatment of the 1st class, 2nd class, 3rd class and 4th class caries and tooth-neck caries (5th class). Direct and indirect pulp cap. Vital and mortal treatment of the pulp. Pulp amputation- pulpotomy, pulp extirpation – pulpectomy, therapy of the teeth with an infected root canal, mechanical treatment of an infected root canal, chemo-medicamentous preparations used in root-canal treatment, single treatment of a root canal, sequential multiple treatment of an infected root canal. Rate in final evaluation: 20%	
Learning outcomes: Students make themselves familiar with complex information on diseases of the hard dental tissues and the pulp. They practise preparation of the hard dental tissues with rotation instruments in the patient's oral cavity. Students learn all about instrumentation used in the root canal. Understanding of complications resulting from an inadequate treatment. Students understand the principles of indication of various filling materials. They acquire complex scope within diagnostics and treatment of the diseases of pulpo-periodontal complex. All knowledge to be used in work with casualties in the dental suite.	
Class syllabus: Dental Fillings and Instrumentation for their Application. Light-hardened fillings, Adhesive Fillings. Glass Ionomer Cements – properties, composition, mechanism of adhesion, usage indications. Inlay- indirect technique.	

Noncarious Defects of the Hard Dental Tissues- Abrasion, Attrition, Erosion.
 Dentin Hypersensitivity- Diagnostics, Ways of Treatment.
 Practical Treatment of Various Caries Types (classified according to Black), Usage of Different Materials.
 Treatment of the Teeth Affected by Dentin Hypersensitivity.
 Practicals: performance of all diagnostic and therapeutic tasks within the field of treatment of the defects of hard dental tissues, caries, diseased conditions of pulp and periodontitis.
 Etiology, Pathology, Clinical Picture and Therapy of Inflammation in Periodontium.
 Treatment of an Infected Root Canal.
 Pulpo-periodontal Complex – Symptomatology, Differential Diagnosis and Therapy.
 Surgical Performance Additional to Conservative Treatment.
 Dental Focal Infection.

Recommended literature:

Duránik, V., Javorka, V. a kol.: Praktické cvičenia z predklinickej stomatológie. I. 2., uprav. vyd. Bratislava: Univerzita Komenského, 1999. 63 s. Skriptá. ISBN 80-223-1361-0.
 Hellwig, E., Klimek, J., Attin, T.: Záchovnástomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4.
 Javorka, V., Janková, M., Tomandlová, A.: Praktické cvičenia z preventívnej stomatológie. Bratislava: Univerzita Komenského, 1995. 81 s. Skriptá. ISBN 80-223-0910-9.
 Kotula, R.: Ošetrenie devitálnych zubov. Martin: Osveta, 1984. 233 s.
 Madárová, L.: Klinická endodoncia. Košice: LF UPJŠ, 1994. 236 s. Skriptá. ISBN 807097267X
 Novák, L. a kol.: Základy záchovnéstomatologie. Praha: Avicenum, 1981. 322 s.
 Peřinka, L., Bartůšková, Š., Záhlavová, E.: Základy klinické endodoncie. Praha: Quintessenz, 2003. 288 s. ISBN 80-903181-2-6.
 Stejskalová, J. a kol.: Konzervační zubní lékařství. Praha: Grada, 2003. 235 s. ISBN 80-7262-225-0.
 Kováč, J.: Základy endodoncie. Bratislava: Univerzita Komenského v Bratislave, 2013, ISBN 80-223-3390-0, skriptá.

Languages necessary to complete the course:

english

Notes:

Past grade distribution

Total number of evaluated students: 25

A	ABS0	B	C	D	E	FX
36,0	0,0	24,0	20,0	16,0	4,0	0,0

Lecturers: doc. MUDr. Dagmar Stateľová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.

Last change: 11.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-062/15	Course title: Conservative Dentistry, Endodontics (3)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 8.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III; Preventive Dentistry I, Conservative Dentistry, Endodontics I, II	
Course requirements: Attendance 100 % Consecutive Evaluation-test: minimum to pass: 65% Rate in final evaluation: 80 %. Practical Exam (individual work) Rate in final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation-test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80 %. Practical Exam (individual work): treatment of the 1st class, 2nd class, 3rd class and 4th class caries and tooth-neck caries (5th class). Direct and indirect pulp cap. Vital and mortal treatment of the pulp. Pulp amputation- pulpotomy, pulp extirpation – pulpectomy, therapy of the teeth with an infected root canal, mechanical treatment of an infected root canal, chemo-medicamentous preparations used in root-canal treatment, single treatment of a root canal, sequential multiple treatment of an infected root canal. Rate in final evaluation: 20%	
Learning outcomes: Students make themselves familiar with complex information on diseases of the hard dental tissues and the pulp. They practise preparation of the root canals. Students learn to manage the complications related to instrumentation in the root canals. Students can solve complications resulting from a non-treated caries. They gain complex knowledge about symptomatology, differential diagnostics and therapy of diseases in pulpo-periodontal complex. Principles of hygiene in the stomatological suite, disinfection, sterilisation. Principles of mechanical and chemical treatment of the infected root canal. Students manage single treatment of a root canal, sequential multiple treatment of an infected root canal. All knowledge to be used in work with casualties in the dental suite.	
Class syllabus: Modern Systems and Methods of Root Canal Treatment. Biocompatibility of the Root Filling Materials.	

New Procedures, Crown Reconstruction and Esthetics of the Treatment. Etiology, Pathology, Clinical Picture and Therapy of Inflammation in Periodontium. Treatment of an infected Root Canal. Pulpo-periodontal Complex, Differential Diagnostics and Therapy. Acute Periodontitis - Parodontitis apicalis acuta. Chronic Periodontitis - Parodontitis apicalis chronica. General Therapy of the teeth with Infected Root Canal. Mechanical treatment of an Infected Root Canal – importance and procedures. Chemo-medicamentous preparations used in root-canal treatment. Single Root Canal Treatment. Sequential Multiple Root Canal Treatment. Root Filling - Conditions, Principles, Procedures, Importance . Complications within Root Canal Treatment. Surgical methods Additional Endodontic Therapy of the Root canals. Dental Focal Infection and Its Solution.																				
Recommended literature: Duránik, V., Javorka, V. a kol.: Praktické cvičenia z predklinickej stomatológie. I. 2., uprav. vyd. Bratislava: Univerzita Komenského, 1999. 63 s. Skriptá. ISBN 80-223-1361-0. Gojišová, E. a kol.: Estetická stomatologie II. Praha: Grada, 2000. 90 s. ISBN 8071697486. Hellwig, E., Klimek, J., Attin, T.: Záchovná stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4. Javorka, V., Janková, M., Tomandlová, A.: Praktické cvičenia z preventívnej stomatológie. Bratislava: Univerzita Komenského, 1995. 81 s. Skriptá. ISBN 80-223-0910-9. Kotula, R.: Endodoncia filozofia a prax. Bratislava: Herba, 2006. 180 s. ISBN 8089171419. Kotula, R.: Ošetrenie devitálnych zubov. Martin: Osveta, 1984. 233 s. Madárová, L.: Klinická endodoncia. Košice: LF UPJŠ, 1994. 236 s. Skriptá. ISBN 807097267. Novák, L. a kol.: Základy záchovné stomatologie. Praha: Avicenum, 1981. 322 s. Peřinka, L., Bartůšková, Š., Záhlavová, E.: Základy klinické endodoncie. Praha: Quintessenz, 2003. 288 s. ISBN 80-903181-2-6. Stejskalová, J. a kol.: Konzervační zubní lékařství. Praha: Grada, 2003. 235 s. ISBN 80-7262-225-0. Kováč, J.: Základy endodoncie. Bratislava: Univerzita Komenského v Bratislave, 2013, ISBN 80-223-3390-0, skriptá.																				
Languages necessary to complete the course: english																				
Notes:																				
Past grade distribution Total number of evaluated students: 16 <table border="1"> <thead> <tr> <th>A</th><th>ABS0</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>56,25</td><td>0,0</td><td>18,75</td><td>18,75</td><td>6,25</td><td>0,0</td><td>0,0</td></tr> </tbody> </table>							A	ABS0	B	C	D	E	FX	56,25	0,0	18,75	18,75	6,25	0,0	0,0
A	ABS0	B	C	D	E	FX														
56,25	0,0	18,75	18,75	6,25	0,0	0,0														
Lecturers: doc. MUDr. Dagmar Stateľová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.																				
Last change: 11.12.2017																				
Approved by: prof. MUDr. Jarmila Procházková, CSc.																				

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-073/16	Course title: Conservative Dentistry, Endodontics (4)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III; Preventive Dentistry I, Conservative Dentistry, Endodontics I, II, III	
Course requirements: Attendance 100 % Consecutive Evaluation-test: minimum to pass: 65% Final Evaluation: theoretical oral exam and practical exam. Rate of theoretical oral exam final result: 80% Practical Exam (individual work) Rate practical exam in final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation-test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Final Evaluation: theoretical oral exam and practical exam. Rate of theoretical oral exam final result: 80% Practical Exam (individual work): one of the following tasks performed in a patient's oral cavity: treatment of the 1st class, 2nd class, 3rd class and 4th class caries and tooth-neck caries (5th class). Direct and indirect pulp cap. Vital and mortal treatment of the pulp. Pulp amputation- pulpotomy, pulp extirpation – pulpectomy, therapy of the teeth with an infected root canal, mechanical treatment of an infected root canal, chemo-medicamentous preparations used in root-canal treatment, single treatment of a root canal, sequential multiple treatment of an infected root canal. Rate practical exam in final evaluation: 20%	
Learning outcomes: Students gain complex picture of what determines the healthy oral condition and learn the practical methods of ensuring this condition. They also further improve in diagnostics and therapy of the hard dental tissues, caries and its complications in diseased pulp and apical periodontites. Students acquire theoretical knowledge and practical skills in diagnostics, therapy and prevention of apical periodontites. All knowledge to be used in work with casualties in the dental suite.	
Class syllabus: Clinical Endodontics: Preparation of the Canal Dentin System, Methods and Techniques. Usage of NiTi Preparation Instruments. Specification of the Working Length of Root Canal.	

Filling of the Root Canal – Methods and Techniques.
 Root Filling Materials.
 Apical Periodontitis – Causes, Classification Systems, Diagnostics, Differential Diagnostics, and Therapy.
 Assessment of the Rtg Findings, Prognosis.
 Surgical Tasks Additional to Endodontic Treatment – Possible Indications.
 Practicals: Performance of all the prescribed diagnostic and therapeutic tasks concerning the treatment of defects in hard dental tissues, caries, diseased condition of pulp and periodontium.

Recommended literature:

Duránik, V., Javorka, V. a kol.: Praktické cvičenia z predklinickej stomatológie. I. 2., uprav. vyd. Bratislava: Univerzita Komenského, 1999. 63 s. Skriptá. ISBN 80-223-1361-0.
 Gojišová, E. a kol.: Estetická stomatologie II. Praha: Grada, 2000. 90 s. ISBN 8071697486.
 Hellwig, E., Klimek, J., Attin, T.: Záchovná stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4.
 Javorka, V., Janková, M., Tomandlová, A.: Praktické cvičenia z preventívnej stomatológie. Bratislava: Univerzita Komenského, 1995. 81 s. Skriptá. ISBN 80-223-0910-9.
 Kotula, R.: Endodoncia filozofia a prax. Bratislava: Herba, 2006. 180 s. ISBN 8089171419.
 Kotula, R.: Ošetrovanie devitálnych zubov. Martin: Osveta, 1984. 233 s.
 Madárová, L.: Klinická endodoncia. Košice: LF UPJŠ, 1994. 236 s. Skriptá. ISBN 807097267X.
 Novák, L. a kol.: Základy záchovné stomatologie. Praha: Avicenum, 1981. 322 s.
 Peřinka, L., Bartúšková, Š., Záhlavová, E.: Základy klinické endodoncie. Praha: Quintessenz, 2003. 288 s. ISBN 80-903181-2-6.
 Stejskalová, J. a kol.: Konzervační zubní lékařství. Praha: Grada, 2003. 235 s. ISBN 80-7262-225-0.
 Kováč, J.: Základy endodoncie. Bratislava: Univerzita Komenského v Bratislave, 2013, ISBN 80-223-3390-0, skriptá.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 16

A	ABS0	B	C	D	E	FX
81,25	0,0	18,75	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.

Last change: 11.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-082/16	Course title: Conservative Dentistry, Endodontics (5)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III; Preventive Dentistry I, Conservative Dentistry, Endodontics I, II, III, IV	
Course requirements: Attendance 100 % Consecutive Evaluation-test: minimum to pass: 65% Rate in final evaluation: 80 %. Consecutive assessment of individual work Scale of assessment (preliminary/final): Consecutive Evaluation-test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80 %. Consecutive assessment of individual work: performance of the prescribed number of all types of practical tasks within Cariology and Endodontics	
Learning outcomes: Students acquire the complex picture of Cariology, Endodontics focused on aesthetic dentistry, improve manual skills and knowledge in the latest techniques of treatment of the hard dental tissue. They also gain theoretical knowledge and practical skills in dental bleaching and aesthetic reconstruction of the hard dental tissues. All knowledge to be used in work with casualties in the dental suite.	
Class syllabus: Modern Methods of Treatment of the Hard Dental Tissues – fundamentals of the aesthetic dental treatment. Bleaching of Devital and Vital Teeth – indications, mechanism of the preparatives' effects, different types of the bleaching preparatives. Microinvasive Techniques of Caries Treatment. Aesthetic Reconstructions in Cariology.	
Recommended literature: Duránik, V., Javorka, V. a kol.: Praktické cvičenia z predklinickej stomatológie. I. 2., uprav. vyd. Bratislava: Univerzita Komenského, 1999. 63 s. Skriptá. ISBN 80-223-1361-0. Gojišová, E. a kol.: Estetická stomatologie II. Praha: Grada, 2000. 90 s. ISBN 8071697486.	

Hellwig, E., Klimek, J., Attin, T.: Záchovná stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4.

Javorka, V., Janková, M., Tomandlová, A.: Praktické cvičenia z preventívnej stomatológie. Bratislava: Univerzita Komenského, 1995. 81 s. Skriptá. ISBN 80-223-0910-9.

Kotula, R.: Endodoncia filozofia a prax. Bratislava: Herba, 2006. 180 s. ISBN 8089171419.

Kotula, R.: Ošetrovanie devitálnych zubov. Martin: Osveta, 1984. 233 s.

Madárová, Ľ.: Klinická endodoncia. Košice: LF UPJŠ, 1994. 236 s. Skriptá. ISBN 807097267.

Novák, L. a kol.: Základy záchovnej stomatologie. Praha: Avicenum, 1981. 322 s.

Peřinka, L., Bartúšková, Š., Záhlavová, E.: Základy klinické endodoncie. Praha: Quintessenz, 2003. 288 s. ISBN 80-903181-2-6.

Stejskalová, J. a kol.: Konzervační zubní lékařství. Praha: Grada, 2003. 235 s. ISBN 80-7262-225-0.

Kováč, J.: Základy endodoncie. Bratislava: Univerzita Komenského v Bratislave, 2013, ISBN 80-223-3390-0, skriptá.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 7

A	ABS0	B	C	D	E	FX
14,29	0,0	71,43	14,29	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.

Last change: 12.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-079/16	Course title: Course for Dissertation (3)
Educational activities: Type of activities: practicals Number of hours: per week: 3,33 per level/semester: 49,95 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Seminary to diploma thesis assignments 2	
Course requirements: Filling of individual parts of the work outline with material gained by studying and / or by research (according to the focus of the work). Scale of assessment (preliminary/final): continuous evaluation	
Learning outcomes: The student is able to select relevant documents and information related to the given topic, works with the literature and correctly quotes it. It is able to collect and process research material (according to the focus of the work). Students can create a separate text in formal and content perspective.	
Class syllabus: Detailed acquaintance with the content of other documents obtained in the information survey, reading, studying. Selection of relevant documents and information for further processing. Completing the list of bibliographic links. Creation of work - filling of individual parts of the final outline of work with material from study and research (according to the focus of work); creation of the text of the work. Preparing Documentation for work - List of bibliographical references, illustrations, tables. Independent student research - according to the focus of the work. Consultation.	
Recommended literature: Depends on the individuality of the specific topic of diploma thesis. Internal regulation no. 12/2013 Rector of Comenius University in Bratislava about basic elements of final works, rigorous works and habilitation works, control of their originality, preservation and accessibility at Comenius University in Bratislava. Internal regulation. 43/2013 Decision of the dean of Jessenius Medical Faculty of Charles University in Martin.	

Implementing regulation concerning the final work of students of the Jessenius Faculty of Medicine of Comenius University in Martine.
 Hanáček J, Javorka K et al.: Fundamentals of scientific research, Osvet, Martin, 2008, 216 p. ISBN 8080632816.
 Meško D, Katuščák D et al. : Academic guide, Osvet, Martin, 2005, 496 p. ISBN 8080632006.
 Katuščák D: How to write final and qualifying work, Enigma Publishing, s.r.o., Nitra, 2007, 162 p. ISBN 8089132454.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 7

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Katarína Adamicová, PhD., prof. MUDr. Ľudovít Laca, PhD., MUDr. Marek Adámik, PhD., MUDr. Ivana Daňová, PhD., doc. MUDr. Ivana Dedinská, PhD., doc. MUDr. Anton Dzian, PhD., prof. MUDr. Alexander Ferko, CSc., MUDr. Martin Grajciar, MUDr. Michal Hošala, PhD., MUDr. Ján Janík, PhD., MUDr. Juraj Miklušica, PhD., MUDr. Anton Mikolajčík, PhD., doc. MUDr. Dušan Mištuna, PhD., MUDr. Blažej Palkoci, MUDr. Miroslav Pindura, MUDr. Marek Smolár, PhD., MPH, MUDr. Ladislav Šutiak, PhD., MUDr. Martin Vojtko

Last change: 13.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-085/16	Course title: Dental Practice Management
Educational activities: Type of activities: practicals Number of hours: per week: 1,86 per level/semester: 27,9 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III, IV; Dental Prosthodontics I, II, III, IV; Dentoalveolar and Maxillofacial Surgery I, II, III; Orthodontics I; Periodontics I.	
Course requirements: Attendance 100 % Consecutive evaluation – test: minimum to pass: 65% Scale of assessment (preliminary/final): Consecutive evaluation – test: minimum to pass: 65% Evaluation structure: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less	
Learning outcomes: Students gain complex information of establishing, operation and management of a dental practice. They understand the legislative, statutes, legal enactments related to performance of medical services. They make themselves familiar with organisation of post-graduate education, lifelong learning and with the activities of the corporate and union organizations.	
Class syllabus: Prerequisites of Establishment of a Dental Practice. Personnel, Device and Material Equipment of a Dental Practice. Management of Dental Practice. Ergonomy in Dental Practice: 3 and 4-Hand Stomatology. Hygiene in Dental Practice. RTG Equipment and RTG Operation in Dental Practice. Post-graduate Education, Continuous Longlife Learning. Professional and Union Organizations. Legislative Questions in Dental Practice Operation, Communication with Insurance Companies, Legislation, Statutes, Enactions Related to Dental Practice Management	
Recommended literature: Aktuálne články a príspevky z odborných stomatologických periodík, legislatívne nariadenia v súvislosti s vykonávaním stomatologickej praxe.	

Gladkij, I. a kol.: Management ve zdravotnictví: ekonomika zdravotnictví, řízení lidských zdrojů ve zdravotnictví, kvalita zdravotní péče a její vyhodnocování. Brno: Computer Press, 2003. 380 s. ISBN 80-7226-996-8.

Madar, J.: Řízení kvality ve zdravotnickém zařízení. Praha: Grada, 2004. 248 s. ISBN 80-247-0585-0.

Majtán, M. a kol.: Manažment. Bratislava: Ekonóm, 2001. 309 s. ISBN 80-225-1388-1.

Pešek, J.: Tvorba systému jakosti ve zdravotnictví a lékárenství s využitím norem ISO. Praha: Grada, 2003. 110 s. ISBN 80-247-0551-6.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 7

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH

Last change: 12.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-044/17	Course title: Dental Protetics (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 30 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III; Preventive Dentistry I,	
Course requirements: Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Individual work Scale of assessment (preliminary/final): Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80% Individual work: performance of fixed prosthetics tasks accomplished in the patient's oral cavity Rate in the final evaluation: 20%	
Learning outcomes: Basic knowledge about the classification of the prosthodontic defects in dentice. Direct and indirect methods in prosthodontics. Improval of the skills of the dental imprint techniques. Students are able to analyze prosthodontic defects and set the basic prosthetic solution plan. Understanding of the principles of preparation of the hard dental tissues for making the fixed replacements. Students understand the techniques of making the fixed crown replacements and fixed bridges. They are familiarised with the documentation of a prosthodontic patient and with the hygienic and disinfective procedures in prosthodontics. The acquired knowledge is used when dealing with the patients in dental practice during the practicals.	
Class syllabus: Dental prosthodontics Place and Importance in Dentistry. Morphological and Functional Examination of a Patient within Prosthodontics. Differentiation of the Defect Dentice Conditions. Direct and Indirect Working Procedures. Types of Prosthodontic Replacements. Common Characteristics and Problematics of the Dental Replacements. Dentice Defects Classification, Biological factor, Biological Mechanism of the Chewing Momentum Transition. Indications of the Prosthodontic Treatment.	

File keeping (Documenting) of the Prosthodontic Patient. Analysis of the Denture Defects on the Plaster Models. Fixed Replacement, Definition, Basic terminology, General Rules of Preparation, Types of Preparations. Crowns: Types, Indications, Imprint Techniques. Faceted Crowns, Indications and Working Procedures Characteristics. Half-crowns, Indications, Types and Preparations. Root Imbedded Crowns (Indications, Types, Working Procedures). Richmond Crown (Indications, Working Procedures). Root Superstructures. Practical Creation of the Root Superstructure, Crown and Fixed Bridge. Sequence of Working Procedures in Creating the Crown Replacements. Sequence of Working Procedures in Creating Fixed Crowns with Various Types of Abutment teeth. Hygienic and Disinfective Program in Dental Prosthodontics.
Recommended literature: Ahmad, I.: Estetika v protetice: postupy pro předvídatelné výsledky. Praha: Quintessenz, 2008. 229 s. ISBN 978-80-86979-06-9. Andrik, P. a kol.: Čelustná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s. Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983. 222 s. Andrik, P.: Stomatoprotetické terapeutické riešenie. Martin: Osveta, 1986. 170 s. Bachratý, A., Bachratá, L., Suchancová, B.: Čelustná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0. Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X. Bucking, W.: Dentální typy a triky. Praha: Quintessenz, 2007. 284 s. ISBN 80-86979-01-6. Dostálová, T.: Fixní a snímatelná protetika. Praha: Grada, 2004. 220 s. ISBN 80-247-0655-5. Heinenberg, B. J.: Modifikované Marylandské můstky. Praha: Quintessenz, 1994. 132 s. ISBN 80-901024-3-3. Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9. Lamb, D.: Celková náhrada: moderní postupy při ošetření pacienta. Praha: Quintessenz, 1995. 145 s. ISBN 80-901024-7-6. Norton, M.: Implantáty ve stomatologii. Praha: Quintessenz, 1996. 124 s. ISBN 80-902118-1-X. Preiskel, H. W.: Zásuvné spoje v klinické praxi. Praha: Quintessenz, 1995. 170 s. ISBN 80-901024-5-X. Roulet, H.: Adhezivní keramické inlaye v laterálním úseku chrupu. Praha: Quintessenz, 1995. 96 s. ISBN 80-901024-6-8. Tvrdoň, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7. Tvrdoň, M., Čech, I., Sokolová, T.: Atlas of Prosthodontic Treatment. Bratislava: Science, 2004. 380 s.
Languages necessary to complete the course: english
Notes:

Past grade distribution						
Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH						
Last change: 07.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-054/15	Course title: Dental Protetics (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 7.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I, Conservative Dentistry, Endodontics I, Dental Prosthodontics I	
Course requirements: Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Rate in final evaluation: 80% Individual work: performance of fixed prosthetics tasks accomplished in the patient's oral cavity Rate in the final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80% Individual work: performance of fixed prosthetics tasks accomplished in the patient's oral cavity Rate in the final evaluation: 20%	
Learning outcomes: Students gain basic knowledge about the functional examination of the oromaxillofacial system focus on the biomechanics. They learn how to diagnose defects of the temporomandibular joint (TMJ) and if there is relation between the present prosthodontics defects and TMJ defects. Understanding of biostatics and biodynamics of the fixed bridges. Students understand the principles of atypical solutions of the dentice defects by using fixed replacements and understand the new alternative methods of preparation of the fixed replacements. The acquired knowledge is used when dealing with the patients in dental practice during the practicals.	
Class syllabus: Functional Examination of the Oromaxillofacial Region focused on Biomechanics Diagnostics of TMJ. Biostatics and Biodynamics of the Fixed Bridges. Protection of the Pillar Teeth. Complex Solutions of the Dentice Defects Using Fixed Replacements – Indications, Contraindications, Materials, Working Process in the Oral Cavity and in the Dental Technic Lab. Atypical Solutions in Indication of Fixed Bridges. New Alternatives of Constructing the Fixed Replacements.	

Recommended literature:

- Ahmad, I.: Estetika v protetice: postupy propředvídatelné výsledky. Praha: Quintessenz, 2008. 229 s. ISBN 978-80-86979-06-9.
- Andrik, P. a kol.: Čelústná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s.
- Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983. 222 s.
- Andrik, P.: Stomatoprotetické terapeutické riešenie. Martin: Osveta, 1986. 170 s.
- Bachratý, A., Bachratá, L., Suchancová, B.: Čelústná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.
- Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X.
- Bucking, W.: Dentální typy a triky. Praha: Quintessenz, 2007. 284 s. ISBN 80-86979-01-6.
- Dostálová, T.: Fixní a snímatelná protetika. Praha: Grada, 2004. 220 s. ISBN 80-247-0655-5.
- Heinenberg, B. J.: Modifikované Marylandskémůstky. Praha: Quintessenz, 1994. 132 s. ISBN 80-901024-3-3.
- Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubnímlékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9.
- Lamb, D.: Celková náhrada: moderní postupy přiošetření pacienta. Praha: Quintessenz, 1995. 145 s. ISBN 80-901024-7-6.
- Norton, M.: Implantáty vestomatologii. Praha: Quintessenz, 1996. 124 s. ISBN 80-902118-1-X.
- Preiskel, H. W.: Zásuvné spoje v klinické praxi. Praha: Quintessenz, 1995. 170 s. ISBN 80-901024-5-X.
- Roulet, H.: Adhezivní keramické inlaye v laterálním úseku chrupu. Praha: Quintessenz, 1995. 96 s. ISBN 80-901024-6-8.
- Tvrdoň, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7.
- Tvrdoň, M., Čech, I., Sokolová, T.: Atlas of Prosthodontic Treatment. Bratislava: Science, 2004. 380 s.

Languages necessary to complete the course:

english

Notes:**Past grade distribution**

Total number of evaluated students: 25

A	ABS0	B	C	D	E	FX
84,0	0,0	16,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH**Last change:** 11.12.2017**Approved by:** prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-063/15	Course title: Dental Protetics (3)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 8.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I, Conservative Dentistry, Endodontics I, II, III, IV; Dental Prosthodontics I, II; Dentoalveolar and Maxillofacial Surgery I,	
Course requirements: attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Rate in final evaluation: 80% Individual work Rate in the final evaluation: 20%	
Learning outcomes: Students acquire basic knowledge about problematics of partial removable dental replacements focused on indications and construction components. They understand the problematics of the chewing momentum transition by means of partial removable dentures. Students make themselves familiar with the methods of preparation of the oral structures for the partial removable dentures. Analysis of a model situation and arrangement of the treatment plan for application of a partial removable denture including the concept of construction components ensuring the optimal transition of the chewing momentum. Students understand the principles of rebasing of the partial removable dentures and indications of the temporary partial removable dentures. The acquired knowledge is used when dealing with the patients in dental practice during the practicals.	
Class syllabus: Removable Dental Replacements (General Characteristics). Indications of Treatment by a Partial Removable Denture. Classification of the Construction Components. Anchorage Components for the Partial Removable Dentures in Maxilla and Mandible, Working Process in Oral Cavity and in Dental Technic Lab. Stabilising Components for the Partial Removable Dentures in Maxilla and Mandible, Working Process in Oral Cavity and in Dental Technic Lab.	

Connective Components and the Body of the Partial Removable Dentures in Maxilla and Mandible, Working Process in Oral Cavity and in DentalTechnicLab. Preparation ofthe Oral StructuresforthePartialRemovableDentures. ImprintTechniquesforthePartialRemovableDentures. EvaluationoftheIntermaxillaryRelations. Partial Removable Dentures with Dental, Dentomucous and Mucous Transition of the Chewing Pressures, Working Process in Oral Cavity and in DentalTechnicLab. RemovableBridges (Indications, ConstructionComponents). The Most CommonCasualties and SolutionswithRemovableBridges. Dentomucous Replacements, ProblematicsoftheMixedTransitionoftheChewingPressures. TypicalCasesofTreatmentwithDentomucousReplacement. ConstructionComponentsofDentomucousReplacements, TypicalConstruction. MucousReplacements (Characteristics, Indications). CombinedProstheticTherapy. TemporaryRemovableReplacements. Reparations and RebasinofthePartialRemovableReplacements.
Recommended literature: Ahmad, I.: Estetika v protetice: postupy propředvídatelné výsledky. Praha: Quintessenz, 2008. 229 s. ISBN 978-80-86979-06-9. Andrik, P. a kol.: Čeľustná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s. Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983. 222 s. Andrik, P.: Stomatoprotetické terapeutické riešenie. Martin: Osveta, 1986. 170 s. Bachratý, A., Bachratá, Ľ., Suchancová, B.: Čeľustná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0. Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X. Bucking, W.: Dentální tipy a triky. Praha: Quintessenz, 2007. 284 s. ISBN 80-86979-01-6. Dostálová, T.: Fixní a snímatelná protetika. Praha: Grada, 2004. 220 s. ISBN 80-247-0655-5. Heinenberg, B. J.: Modifikované Marylandskémůstky. Praha: Quintessenz, 1994. 132 s. ISBN 80-901024-3-3. Hubáľková, H., Krňoulová, J.: Materiály a technologie v protetickémzubnímlékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9. Lamb, D.: Celková náhrada: moderní postupy přiošetření pacienta. Praha: Quintessenz, 1995. 145 s. ISBN 80-901024-7-6. Norton, M.: Implantáty vestomatologii. Praha: Quintessenz, 1996. 124 s. ISBN 80-902118-1-X. Preiskel, H. W.: Zásuvné spoje v klinické praxi. Praha: Quintessenz, 1995. 170 s. ISBN 80-901024-5-X. Roulet, H.: Adhezivní keramické inlaye v laterálním úseku chrupu. Praha: Quintessenz, 1995. 96 s. ISBN 80-901024-6-8. Tvrdoň, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7. Tvrdoň, M., Čech, I., Sokolová, T.: Atlas ofProsthodonticTreatment. Bratislava: Science, 2004. 380 s.
Languages necessary to complete the course: english
Notes:

Past grade distribution						
Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH						
Last change: 11.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-072/16	Course title: Dental Protetics (4)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I, Conservative Dentistry, Endodontics I, II, III; Dental Prosthodontics I, II, III; Dentoalveolar and Maxillofacial Surgery I, II	
Course requirements: Final Evaluation by theoretical oral exam and practical exam Rate of the theoretical oral exam in final evaluation: 80% Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Individual work: practical tasks- partial and complete removable dental replacements (dentures) - tasks accomplished in the patient's oral cavity Rate in the final evaluation: 20% Scale of assessment (preliminary/final): Final Evaluation by theoretical oral exam and practical exam Rate of the theoretical oral exam in final evaluation: 80% Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Individual work: practical tasks- partial and complete removable dental replacements (dentures) - tasks accomplished in the patient's oral cavity Rate in the final evaluation: 20%	
Learning outcomes: Students acquire basic knowledge about problematics of complete removable dental replacements focused on indications and retention possibilities construction components. They understand the problematics of the chewing momentum transition by means of complete removable dentures and possible complications resulting from application of this type of dentures. Students make themselves familiar with the methods of preparation of the oral structures for the complete removable dentures. Analysis of a model situation and arrangement of the treatment plan for application of a complete removable denture. Students understand the principles of determination of the intermaxillary relations and manages all registration techniques. The acquired knowledge is used when dealing with the patients in dental practice during the practicals.	
Class syllabus:	

Complete removable Denture (General Characteristics).
 Indications of Complete Removable Dentures.
 Retention of Complete Removable Dentures.
 Examination of the Oral Cavity Focused at the Assessment of the Prosthesis Socket Quality, Mucous Membrane Resilience and Periphery of the Complete Removable Denture.
 Working Process of Preparation of the Complete Removable Dentures in Oral Cavity and in Dental Technic Lab.
 Biodynamics of the Complete Removable Dentures and Biocompatibility of the Used Materials.
 Complete Removable Dentures – Determination of the Intermaxillary Relations. Registration Techniques. Usage of Dental Registration Techniques in Determination of Intermaxillary Relations
 Choice of the Artificial Teeth.
 Principles of the Teeth Construction, Articulation, Face Accomodation, Trials and Presenting the Replacements.
 Importance of the Dental Replacements Hygiene and Assessment of the Mucosa Condition.
 Hybrid Replacements.
 Rebasing of the Complete Removable Dentures
 Immediate Complete Removable Dentures.
 Complications resulting from Mucous Transmission of the Chewing Pressures, Diagnostics, Possibilities of Therapeutic Procedures.

Recommended literature:

Ahmad, I.: Estetika v protetice: postupy pro předvídatelné výsledky. Praha: Quintessenz, 2008. 229 s. ISBN 978-80-86979-06-9.
 Andrik, P. a kol.: Čelůstná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s.
 Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983. 222 s.
 Andrik, P.: Stomatoprotetické terapeutické riešenie. Martin: Osveta, 1986. 170 s.
 Bachratý, A., Bachratá, L., Suchancová, B.: Čelústná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.
 Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X.
 Bucking, W.: Dentální typy a triky. Praha: Quintessenz, 2007. 284 s. ISBN 80-86979-01-6.
 Dostálová, T.: Fixní a snímatelná protetika. Praha: Grada, 2004. 220 s. ISBN 80-247-0655-5.
 Heinenberg, B. J.: Modifikované Marylandské můstky. Praha: Quintessenz, 1994. 132 s. ISBN 80-901024-3-3.
 Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9.
 Lamb, D.: Celková náhrada: moderní postupy při ošetření pacienta. Praha: Quintessenz, 1995. 145 s. ISBN 80-901024-7-6.
 Norton, M.: Implantáty ve stomatologii. Praha: Quintessenz, 1996. 124 s. ISBN 80-902118-1-X.
 Preiskel, H. W.: Zásuvné spoje v klinické praxi. Praha: Quintessenz, 1995. 170 s. ISBN 80-901024-5-X.
 Roulet, H.: Adhezivní keramické inlaye v laterálním úseku chrupu. Praha: Quintessenz, 1995. 96 s. ISBN 80-901024-6-8.
 Tvrdon, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7.
 Tvrdon, M., Čech, I., Sokolová, T.: Atlas of Prosthodontic Treatment. Bratislava: Science, 2004. 380 s.

Languages necessary to complete the course:

english

Notes:						
Past grade distribution						
Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
68,75	0,0	25,0	6,25	0,0	0,0	0,0
Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH						
Last change: 11.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-081/16	Course title: Dental Protetics (5)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III, IV; Dental Prosthodontics I, II, III, IV; Dentoalveolar and Maxillofacial Surgery I, II, III; Orthodontics I; Periodontics I; Pediatric Dentistry I	
Course requirements: Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Rate in final evaluation: 80% Individual work Rate in the final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80% Individual work: practical tasks- partial and complete removable dental replacements (dentures) - tasks accomplished in the patient's oral cavity Rate in the final evaluation: 20%	
Learning outcomes: Students focus at the pediatric patients and problematics of differential attitude towards these patients within dental prosthodontics tasks. They understand the problematics of indications of fixed and removable dentures in pediatric patient and possible complications resulting from precocious lost of deciduous or permanent dentice. They make themselves familiar with the possibilities of prosthodontics treatment in patients with diseases of periodontal tissues. Students are capable of analyzing the possibilities of prosthodontics rehabilitation of patients with clefts. They understand the principles of the complex reconstruction of the hard and soft tissues after onko-surgical treatment in the oromaxillofacial area. The acquired knowledge is used when dealing with the patients in dental practice during the practicals.	
Class syllabus: Specifics of the Prosthetic Treatment of Dentice in Pediatric Patients. Indications of Particular Types of Replacements, Indications, Contraindications and Complications.	

Main Principles of Pediatric Prosthetics.
 Fixed Dentures in Childhood.
 Removable Dentures in Childhood.
 Prosthodontic Replacements in Patients with Diseased Periodontal Tissues, Indications, Contraindications, Principles of the Dental Splints.
 Prosthodontic Treatment of the Congenital Anomalies- Clefts.
 Complex Prosthodontic Reconstruction of the Hard and Soft Tissues after Onco-surgical Treatment in the Oromaxillofacial Region, Post-resection Replacements – Obturators, Epitheses.

Recommended literature:

Ahmad, I.: Estetika v protetice: postupy pro předvídatelné výsledky. Praha: Quintessenz, 2008. 229 s. ISBN 978-80-86979-06-9.
 Andrik, P. a kol.: Čelustná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s.
 Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983. 222 s.
 Andrik, P.: Stomatoprotetické terapeutické riešenie. Martin: Osveta, 1986. 170 s.
 Bachratý, A., Bachratá, E., Suchancová, B.: Čelustná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.
 Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X.
 Bucking, W.: Dentální tipy a triky. Praha: Quintessenz, 2007. 284 s. ISBN 80-86979-01-6.
 Dostálová, T.: Fixní a snímatelná protetika. Praha: Grada, 2004. 220 s. ISBN 80-247-0655-5.
 Heinenberg, B. J.: Modifikované Marylandské můstky. Praha: Quintessenz, 1994. 132 s. ISBN 80-901024-3-3.
 Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9.
 Lamb, D.: Celková náhrada: moderní postupy při ošetření pacienta. Praha: Quintessenz, 1995. 145 s. ISBN 80-901024-7-6.
 Norton, M.: Implantáty ve stomatologii. Praha: Quintessenz, 1996. 124 s. ISBN 80-902118-1-X.
 Preiskel, H. W.: Zásuvné spoje v klinické praxi. Praha: Quintessenz, 1995. 170 s. ISBN 80-901024-5-X.
 Roulet, H.: Adhezivní keramické inlaye v laterálním úseku chrupu. Praha: Quintessenz, 1995. 96 s. ISBN 80-901024-6-8.
 Tvrdoň, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7.
 Tvrdoň, M., Čech, I., Sokolová, T.: Atlas of Prosthodontic Treatment. Bratislava: Science, 2004. 380 s.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 7

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH

Last change: 11.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-094/17	Course title: Dental Protetics (6)
Educational activities: Type of activities: practicals Number of hours: per week: 13,33 per level/semester: 199,95 Form of the course: on-site learning	
Number of credits: 7	
Recommended semester: 11., 12..	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III, IV; Dental Prosthodontics I, II, III, IV,V; Dentoalveolar and Maxillofacial Surgery I, II, III; Orthodontics I; Periodontics I; Pediatric Dentistry I.	
Course requirements: Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Rate in final evaluation: 80% Individual work Rate in the final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80% Individual work: practical tasks- partial and complete removable dental replacements (dentures) - tasks accomplished in the patient's oral cavity Rate in the final evaluation: 20% Final Evaluation: State Exam: in 12th semester	
Learning outcomes: Students acquire complete basic knowledge about making use of the up-to-date procedures and materials in Dental Prosthodontics . They understand the problematics of indications, contraindications and complications of the dental implants. They make themselves familiar with the possible prosthetic solutions in implantology. Students are expected to be capable of analyzing and solving the causes of pain in the facial region. They understand the principles of the complex prosthodontic reconstruction of tissues in oromaxillofacial region. The acquired knowledge is used when dealing with the patients in dental practice during the practicals.	
Class syllabus: Application of New Methods and Materials in Prosthodontics Treatment. Implants: Development, Principles, Prosthetic Indications, Working Procedures, Choice of Materials,	

Dental Articulation Devices and Their Practical Usage in Prosthetic Therapy and in Assessment of Changes in Periodontal Tissues.
 Defects in Function of TMJ, Etiology, Diagnostics and Therapy, the Importance of the Differential Diagnostics of Pain in the Facial Region.
 Metal Ceramics – Structure of Materials, Processing the Materials, Consequent Procedures in Metal Ceramics.
 Non-metal Ceramics, Pressed Ceramics, Structure of Materials, Processing and Consequent Procedures in Non-metal ceramics.
 Prosthetic Materials based on Zirconium, Advantages and Indications.
 Price Calculation of Prosthodontic Products.
 Professional Ethics and Ethical Standards in Communication with Patients and Staff.

Recommended literature:

- Ahmad, I.: Estetika v protetice: postupy pro předvídatelné výsledky. Praha: Quintessenz, 2008. 229 s. ISBN 978-80-86979-06-9.
- Andrik, P. a kol.: Čelustná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s.
- Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983. 222 s.
- Andrik, P.: Stomatoprotetické terapeutické riešenie. Martin: Osveta, 1986. 170 s.
- Bachratý, A., Bachratá, L., Suchancová, B.: Čelustná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.
- Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X.
- Bucking, W.: Dentální tipy a triky. Praha: Quintessenz, 2007. 284 s. ISBN 80-86979-01-6.
- Dostálová, T.: Fixní a snímatelná protetika. Praha: Grada, 2004. 220 s. ISBN 80-247-0655-5.
- Heinenberg, B. J.: Modifikované Marylandské můstky. Praha: Quintessenz, 1994. 132 s. ISBN 80-901024-3-3.
- Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9.
- Lamb, D.: Celková náhrada: moderní postupy při ošetření pacienta. Praha: Quintessenz, 1995. 145 s. ISBN 80-901024-7-6.
- Norton, M.: Implantáty ve stomatologii. Praha: Quintessenz, 1996. 124 s. ISBN 80-902118-1-X.
- Preiskel, H. W.: Zásuvné spoje v klinické praxi. Praha: Quintessenz, 1995. 170 s. ISBN 80-901024-5-X.
- Roulet, H.: Adhezivní keramické inlaye v laterálním úseku chrupu. Praha: Quintessenz, 1995. 96 s. ISBN 80-901024-6-8.
- Tvrdoň, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7.
- Tvrdoň, M., Čech, I., Sokolová, T.: Atlas of Prosthodontic Treatment. Bratislava: Science, 2004. 380 s.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 7

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH
Last change: 13.12.2017
Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-018/16	Course title: Dental materials and technologies (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 3 per level/semester: 30 / 45 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 3.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Propedeutics of Dentistry I, II	
Course requirements: Attendance 100 % Consecutive test: minimum required to pass: 65% Scale of assessment (preliminary/final): Final evaluation is based on consecutive tests and final oral examination. Rate of the theoretical oral exam result in final result is 80% Consecutive test: minimum required to pass: 65% Evaluation: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below Rate of the consecutive test result in final result: 20%	
Learning outcomes: Students acquire complete information on physical and chemical properties of the materials used in all subdivisions of Dentistry. Students also gain skills in working with these materials (models, phantoms) and make themselves familiar with indication, contraindication and side effects of all materials. Aim is to show the principles of processing the materials and to train practical usage of these materials. Acquired theoretical knowledge is being applied into practice when working on models/phantoms.	
Class syllabus: Dental Materials –Physical, Chemical and Biological Requirements of their Properties . Composition, Properties and Indication of the Materials used in Conservative Dentistry. Dental Fillings . Temporary Fillings. Permanent Filling. Pads, Dental Cements. Amalgam . Composite fillings . Compo-ionomers Dental Adhesive Systems . Endodontic Materials. Ceramic Dental Materials . Side Effects of the Materials used in Dentistry .	

Composition, Qualities and Indications of the Materials used in Dental Prosthodontics . Technology of Processing Resins, Metals and Ceramics in Dental Technology. Dental Casting Materials . Additional Materials used in Prosthodontics. Materials used in Periodontics. Materials used in Dentoalveolar Surgery and Implantology.						
Recommended literature: Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9. Slávik, J.: Stomatologická propedeutika, záchovná část. Košice: UP JŠ, 1992, skriptá. Svoboda, O., Adam. M., a kol.: Stomatologická propedeutika. Praha: Avicenum, 1984. 392 s. Takač, L.: Stomatologická propedeutika, protetická část. Košice: UP JŠ, 1982, skriptá. Vacek, M. a kol.: Stomatologické materiály. Praha: Avicenum, 1980. 227 s.						
Languages necessary to complete the course: english						
Notes:						
Past grade distribution Total number of evaluated students: 17						
A	ABS0	B	C	D	E	FX
82,35	0,0	17,65	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Jarmila Procházková, CSc., prof. MUDr. Katarína Adamicová, PhD., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., doc. MUDr. Dagmar Statelová, CSc.						
Last change: 08.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-034/17	Course title: Dental materials and technologies (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 3 per level/semester: 30 / 45 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I; Propedeutics of Dentistry I, II	
Course requirements: Attendance 100 % Consecutive test: minimum required to pass: 65% Scale of assessment (preliminary/final): Final evaluation is based on consecutive tests and final oral examination. Rate of the theoretical oral exam result in final result is 80% Consecutive test: minimum required to pass: 65% Evaluation: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below Rate of the consecutive test result in final result: 20%	
Learning outcomes: Students acquire complete information on physical and chemical properties of the materials used in Dental Prosthetics. Students also gain skills in working with filling, padding and endodontic materials (models, phantoms) and make themselves familiar with indication, contraindication and side effects of all materials used in Periodontology. Students understand indications and principles of usage of materials within Dentoalveolar Surgery. They make themselves familiar with all technological procedures. Acquired theoretical knowledge is being applied into practice when working on models/phantoms.	
Class syllabus: Materials Used in Conservative Dentistry: Fillings, Paddings and Materials Protecting Dental Pulp Vitality, Means of Dental Pulp Vitality Determination. Root Filling Materials. Classification of Prosthetic Materials: Proper Prosthetic Materials (Metal Alloys, Ceramics, Resins), Imprint Materials. Plaster- Composition, Qualities, Usage Indications. Waxes – Composition, Usage Indications. Putty Clays. Materials Used For Metals Adjustment and Polishing. Additive Materials Used in Making Fixed Replacements. Principles of Metal Casting, Processing Ceramics and Resins. Materials Used in Periodontics.	

Materials Used in Dentoalveolar Surgery and Implantology.						
Recommended literature: Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9. Slávik, J.: Stomatologická propedeutika, záchovná část. Košice: UPJŠ, 1992, skriptá. Svoboda, O., Adam, M. a kol.: Stomatologická propedeutika. Praha: Avicenum, 1984. 392 s. Takač, L.: Stomatologická propedeutika, protetická část. Košice: UPJŠ, 1982, skriptá. Vacek, M. a kol.: Stomatologické materiály. Praha: Avicenum, 1980. 227 s.						
Languages necessary to complete the course: english						
Notes:						
Past grade distribution Total number of evaluated students: 10						
A	ABS0	B	C	D	E	FX
80,0	0,0	20,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Adriána Petrášová, PhD., MUDr. Mária Janíčková, PhD., MPH						
Last change: 07.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-SS4/17	Course title: Dentoalveolar and Maxillofacial Surgery
Number of credits: 5	
Educational level: I.II.	
Recommended prerequisites: J-S-ZL-089 Dentoalveolar and Maxillofacial Surgery 5	
Course requirements: The final assessment of the students takes the form of a practical state examination and a theoretical oral examination. The part of the practical state exam on the total is 20%. The part of the theoretical oral examination in the overall assessment is 80%. The practical state examination, one of the following performances: Anamnesis, examination and medical files in oral and maxillofacial (OMF) surgery, radiology in OMF surgery, local anesthesia in the orofacial region - anesthetics, indications and contraindications of each type of anesthetic, local anesthetic injection of the jaw and the jaw, tooth extraction - extraction technique, surgical equipment- extraction instruments (forceps, handle), root apex resection(apiectomy), (surgical procedures additional endodontic treatment of the tooth), loading the maxillo-mandibular immobilization (dental plate, Halmoš bond). Scale of assessment (preliminary/final): The final assessment of the students takes the form of a practical state examination and a theoretical oral examination. The part of the practical state exam on the total is 20%. The part of the theoretical oral examination in the overall assessment is 80%. The practical state examination, one of the following performances: Anamnesis, examination and medical files in oral and maxillofacial (OMF) surgery, radiology in OMF surgery, local anesthesia in the orofacial region - anesthetics, indications and contraindications of each type of anesthetic, local anesthetic injection of the jaw and the jaw, tooth extraction - extraction technique, surgical equipment- extraction instruments (forceps, handle), root apex resection(apiectomy), (surgical procedures additional endodontic treatment of the tooth), loading the maxillo-mandibular immobilization (dental plate, Halmoš bond).	
Learning outcomes: Graduate of the subject acquires basic information about the principles and principles of treatment in dentoalveolar surgery. Students get better familiar with the indications, contraindications and complications of local anesthetic and dental extraction. Students acquire manual skills by implementation of root apex resection of single-skinned teeth. Students acquire the principles of antisepsis, asepsis, disinfection and sterilization in oral and maxillofacial (OMF) surgery. Graduate of the subject acquires comprehensive information about inflammatory processes in oromaxillofacial area. Students gain comprehensive knowledge of symptomatology, differential diagnosis, and therapy of inflammation of temporo-mandibular joint, lymph nodes and salivary glands. Understand the principle of diagnosis and surgical treatment of the cyst in the oromaxillofacial area. It is able to manage the patient with an intermittent inflammation of dentogenous origin. Graduate of the subject acquires comprehensive information on oncological problems in the oromaxillofacial area. Students can inform with the methods of prevention, diagnostics and treatment of malignant and malignant tumors in the oromaxillofacial region.	

By passing the subject, the student acquires the ability to analyze, diagnose and propose a plan for the treatment of patients with maxillofacial injury, understand the classification of fractures of the facial skeleton. It is conservatively known to deal with simple mandibular fractures by applying maxillo-mandibular immobilization. Gets an overview of the patient's with polytrauma and with projectile injury. Graduate of the subject acquires comprehensive information about the diagnosis of facial skeleton anomalies and other structures in the oromaxillofacial area and the basic principles of their treatment. By completing the subject the student acquires a comprehensive view of the problems of osteoradionecrosis and osteochemonecrosis in the oromaxillofacial area.

Class syllabus:

History of Oral and Maxillofacial (OMF) Surgery.

Principles and strategy of dentoalveolar surgery.

Antiseptic, asepsis, disinfection and sterilization in OMF surgery.

Anamnesis and patient examination, medical documentation.

Radiodiagnostics in OMF surgery.

Local anesthesia in orofacial area - anesthetics, indications and contraindications of applying of individual anesthetics, application method.

Extraction of teeth - extraction technique, complications during extraction and after tooth extraction.

Surgical procedures complementing the endodontic treatment of the tooth.

Tooth replacement.

Third molar surgery.

Specific and non-specific inflammations in the oromaxillofacial region.

Spontaneous inflammations of dentogenic origin: anatomical boundaries of spaces, etiology, methods of dissemination, diagnostics, therapy, complications.

Inflammations facial bones: acute and chronic osteitis, osteomyelitis, etiology, diagnosis, treatment, and complications.

Dentogenous cyst cavity inflammation, oroantral and oronasal communication, foreign material in the maxillar sinus, diagnosis, treatment and complications.

Inflammation of the temporal-mandibular joint: etiology, diagnosis, treatment and complications.

Lymph node inflammation: etiology, diagnosis, treatment, and complications.

Salivary gland disorders: etiology, diagnosis, treatment, and complications.

Cysts of soft and hard tissues in the oromaxillofacial region: etiology, diagnosis, treatment and complications.

Tooth injuries, etiology, diagnosis, treatment, complications.

Traumatology of the oromaxillofacial area: etiology of injuries, clinical signs of injuries, principles of examination, first medical help.

Classification of facial fractures.

Conservative and surgical treatment of fractures of the facial skeleton.

Complications of facial fractures.

Orbital injuries.

Soft tissue injuries.

Shock injuries in the oromaxillofacial area.

Caustic burns and burns.

Polytrauma.

Specifics of injuries in the maxillofacial area in children.

Traumatic activity in trauma in the oromaxillofacial area.

Benign epithelial and mesenchymal tumors in the oromaxillofacial region, symptomatology, diagnosis and treatment.

Malignant epithelial tumors in the oromaxillofacial region, symptomatology, diagnosis and treatment.

Sarcomas in the oromaxillofacial region, symptomatology, diagnosis and treatment.
 Benign and malignant salivary gland tumors, symptomatology, diagnosis and treatment.
 Odontogenous tumors, symptomatology, diagnosis and treatment.
 False tumors, symptomatology, diagnosis and treatment.
 Complex treatment of cancer.
 Precancerous, etiology, differential diagnosis, diagnosis and treatment.
 Pathological fractures in the oromaxillofacial region, etiology, diagnosis, treatment and complications.
 Pain in the oromaxillofacial region, trigeminal neuralgia and other neuralgia, etiology, diagnostics, differential diagnosis, treatment and complications.
 Maxilloorthodontics, etiology, diagnostics, differential diagnosis, treatment and complications.
 Craniomaxillofacial anomalies, specimens, etiology, diagnostics, differential diagnosis, treatment and complications.
 Orthognathic therapy.
 Complex treatment of cancer.
 Precancerous, etiology, differential diagnosis, diagnosis and treatment.
 Pathological fractures in the oromaxillofacial region, etiology, diagnosis, treatment and complications.
 Pain in the oromaxillofacial region, trigeminal neuralgia and other neuralgia, etiology, diagnostics, differential diagnosis, treatment and complications.
 Pre-prosthetic surgery, implantology, indications and contraindications.
 Benign bone lesions in the oromaxillofacial region and systemic bone disease with manifestations in the oromaxillofacial region.
 Osteoarthritis and arthroscopy in the oromaxillofacial region, etiology, diagnosis, treatment and complications.
 Sudden events in the dentist's ambulance, patient management. Assessment of incapacity for work in diseases in the oromaxillofacial area.

State exam syllabus:

Recommended literature:

Ďurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s. ISBN 80-217-0496-9.
 Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987. 180 s.
 Halmoš, J., Kufner, J.: Traumatológia čelústi a tváre. Martin: Osveta, 1983. 250 s.
 Kufner, J., Urban, F.: Chirurgie čelistních a obličejových anomálií. Praha: Avicenum, 1981. 507 s.
 Lemeš, L. a kol.: Topografická anatomie pro stomatologii. Praha: Avicenum, 1984. 246 s.
 Ležovič, J., Kurill, E.: Novosti v stomatológii. I. Martin: Osveta, 1984. 289 s.
 Mazánek, J.: Nádory orofaciální oblasti. Praha: Victoria Publishing, 1997. 391 s.
 Mazánek, J.: Traumatologie orofaciální oblasti. 2., preprac. a dopl. vyd. Praha: Grada, 2007. 200 s, ISBN 8024714448.
 Satko, I., Stanko, P. a kol.: Orálna a maxilofaciálna chirurgia: otázky a odpovede. Bratislava: Univerzita Komenského, 1998. 138 s. Skriptá. ISBN 80-223-1260-6.
 Satko, I., Stanko, P., Švidráň, J.: Orálna a maxilofaciálna chirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013. 308 s. ISBN 978-80-223-3366-5.
 Stárek, I., Černý, L., Simpson, R. W. H. a kol.: Choroby slinných žláz. Praha: Grada, 2000, 266 s. ISBN 80-7169-966-7.
 Šimunek, A. a kol.: Dentální implantologie. Hradec Králové: Nucleus, 2001. 192 s.
 Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s.

Wotke, J.: Patologie orofaciální oblasti. Praha: Avicenum Grada publishing, 2001. 335 s. ISBN 80-7169-975-6.
Languages necessary to complete the course: slovak/english
Last change: 15.12.2017
Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-052/15	Course title: Dentoalveolar and Maxillofacial Surgery (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 7.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I,II,III; Preventive Dentistry I, Conservative Dentistry, Endodontics I,II,IV; Dental Prosthodontics I,II,III,IV,V,	
Course requirements: Attendance 100 % Consecutive evaluation- test: minimum to pass: 65% Individual work: Scale of assessment (preliminary/final): Consecutive evaluation- test: minimum to pass: 65% Evaluation: : A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in the final evaluation: 80% Individual work: Realisation of the prescribed practical performace in the patient's oral cavity within the dentoalveolar surgery. Rate in final evaluation: 20%	
Learning outcomes: Learning outcomes: On accomplishment of the subject, the student gains basic information on principles of treatment in Dentoalveolar Surgery. The students make themselves familiar with indications, contraindications and complications of the local anaesthetics used in tooth extraction process, learns about fundamentals of antiseptis, asepsis, disinfection and sterilisation in oral and maxillofacial surgery. Students gain skills in all types of tooth extraction, can also analyze and solve the post-extraction complications. The students acquires the complete problematics of the tooth extraction.	
Class syllabus: History of Oral and Maxillofacial Surgery. Introduction in Oral and Maxillofacial Surgery. Principles and Fundamentals of Treatment in Dentoalveolar Surgery. Antisepsis, Asepsis, Disinfection and Sterilisation in OMF Surgery. Anamnesis and Examination of the Patient, Medical Documentation. Radiologic Diagnostics in OMF Surgery. Local Anaesthesia in Orofacial Area – Anaesthetics, Indication, Contraindication of Administration of different Types of Anaesthetics, Ways of Administration. Complications in Administration of a Local Anaesthetic.	

Indications and Contraindications of Tooth Extractions. Instrumentary – Extraction Tools (Forceps, Levers). Tooth Extractions – Extraction techniques, Complications during and after Tooth Extraction. Local and General Complications of Tooth Extractions. Healing the Extraction Wounds and possible Complications. Surgical Performance accompanying the Endodontic Treatment. Tooth Replantation. Third Molar Surgery.																				
Recommended literature: Đurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s. ISBN 80-217-0496-9. Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987. 180 s. Halmoš, J., Kufner, J.: Traumatológia čelustí a tváre. Martin: Osveta, 1983. 250 s. Kufner, J., Urban, F.: Chirurgie čelistních a obličejových anomálií. Praha: Avicenum, 1981. 507 s. Lemeš, L. a kol.: Topografická anatomie pro stomatology. Praha: Avicenum, 1984. 246 s. Ležovič, J., Kurill, E.: Novosti v stomatológii. I. Martin: Osveta, 1984. 289 s. Mazánek, J.: Nádory orofaciální oblasti. Praha: Victoria Publishing, 1997. 391 s. Mazánek, J.: Traumatologie orofaciální oblasti. 2., preprac. a dopl. vyd. Praha: Grada, 2007. 200 s. ISBN 8024714448. Satko, I., Stanko, P. a kol.: Orálna a maxilofaciálna chirurgia: otázky a odpovede. Bratislava: Univerzita Komenského, 1998. 138 s. ISBN 80-223-1260-6, skriptá. Satko, I., Stanko, P., Švidráň, J.: Orálna a maxilofaciálna chirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013. 308 s. ISBN 978-80-223-3366-5. Stárek, I., Černý, L., Simpson, R. W. H. a kol.: Choroby slinných žláz. Praha: Grada, 2000. 266 s. ISBN 80-7169-966-7. Šimunek, A. a kol.: Dentální implantologie. Hradec Králové: Nucleus, 2001. 192 s. Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s. Wotke, J.: Patologie orofaciální oblasti. Praha: Avicenum Grada publishing, 2001. 335 s. ISBN 80-7169-975-6.																				
Languages necessary to complete the course: slovak/english																				
Notes:																				
Past grade distribution Total number of evaluated students: 25 <table border="1"> <thead> <tr> <th>A</th><th>ABS0</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>100,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td></tr> </tbody> </table>							A	ABS0	B	C	D	E	FX	100,0	0,0	0,0	0,0	0,0	0,0	0,0
A	ABS0	B	C	D	E	FX														
100,0	0,0	0,0	0,0	0,0	0,0	0,0														
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH																				
Last change: 12.12.2017																				
Approved by: prof. MUDr. Jarmila Procházková, CSc.																				

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-061/15	Course title: Dentoalveolar and Maxillofacial Surgery (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 4 / 1 per level/semester: 60 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 8.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive dentistry I, II; Conservative Dentistry, Endodontics I, II; Dental Prosthetics I, II; Dentoalveolar and Maxillofacial Surgery I	
Course requirements: attendance 100 % Consecutive evaluation- test: minimum to pass: 65% Rate in the final evaluation: 80% Individual work Rate in final evaluation: 20% Scale of assessment (preliminary/final): Consecutive evaluation- test: minimum to pass: 65% Evaluation: : A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in the final evaluation: 80% Individual work: Realisation of the prescribed practical performace in the patient’s oral cavity within the dentoalveolar surgery. Rate in final evaluation: 20%	
Learning outcomes: Students gain complete information about inflammation processes in oromaxillofacial region. They familiarise with etiological factors and possibilities of diagnostics and treatment. They can analyze risk probability resulting from possible complications. Students manage the difficulties of differential diagnostics of inflammatory process in oromaxillofacial region. Students acquire skills in treatment of ostitides and periostitides of odontogenous origin. Students gain complex knowledge of symptomatology, differential diagnostics and therapy of TMJ, lymphatic glands and salivary glands. They also understand the principles of diagnostics and surgical treatment of cysts in oromaxillofacial region. Students are capable of management of a patient with perimaxillary inflammation of odontogenous origin. The theoretical knowledge to be used in work with patients in dental practice.	
Class syllabus: Prevention of Inflammation Origination in Oromaxillofacial Region. Specific and Nonspecific Inflammations in Oromaxillofacial Region.	

Perimaxillary Inflammations of Odontogenous Origin : Anatomical Boundaries of the Regions, Etiology, Ways of Transmission, Diagnostics, Therapy and Complications.
 Inflammations of the Facial Bones: Acute and Chronic Ostitides, Osteomyelitides - Etiology, Diagnostics, Treatment, Complications.
 Dentogenous Inflammations of the Mandibular Sinuses, Oroantral and Oronasal Communications.
 Foreign Body in the Maxillary sinuses, Diagnostics, Treatment, Complications.
 Inflammations of the Lips and Tongue.
 Inflammation of the Temporomandibular Joint (TMJ), Diagnostics, Treatment, Complications
 Inflammations of the Lymphatic Glands, Diagnostics, Treatment, Complications
 Diseases of the Salivary Glands, Diagnostics, Treatment, Complications
 Cysts of Soft and Hard Tissues in the Oromaxillofacial Area, Etiology, Diagnostics, Treatment, Complications.

Recommended literature:

Đurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s. ISBN 80-217-0496-9.
 Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987. 180 s.
 Halmoš, J., Kufner, J.: Traumatológia čelústí a tváre. Martin: Osveta, 1983. 250 s.
 Kufner, J., Urban, F.: Chirurgie čelistních a obličejových anomálií. Praha: Avicenum, 1981. 507 s.
 Lemeš, L. a kol.: Topografická anatomie pro stomatology. Praha: Avicenum, 1984. 246 s.
 Ležovič, J., Kurill, E.: Novosti v stomatológii. I. Martin: Osveta, 1984. 289 s.
 Mazánek, J.: Nádory orofaciální oblasti. Praha: Victoria Publishing, 1997. 391 s.
 Mazánek, J.: Traumatologie orofaciální oblasti. 2., preprac. a dopl. vyd. Praha: Grada, 2007. 200 s. ISBN 8024714448.
 Satko, I., Stanko, P. a kol.: Orálna a maxilofaciálna chirurgia: otázky a odpovede. Bratislava: Univerzita Komenského, 1998. 138 s. Skriptá. ISBN 80-223-1260-6.
 Satko, I., Stanko, P., Švidráň, J.: Orálna a maxilofaciálna chirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013. 308 s. ISBN 978-80-223-3366-5.
 Stárek, I., Černý, L., Simpson, R. W. H. a kol.: Choroby slinných žláz. Praha: Grada, 2000. 266 s. ISBN 80-7169-966-7.
 Šimunek, A. a kol.: Dentální implantologie. Hradec Králové: Nucleus, 2001. 192 s.
 Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s.
 Wotke, J.: Patologie orofaciální oblasti. Praha: Avicenum Grada publishing, 2001. 335 s. ISBN 80-7169-975-6.

Languages necessary to complete the course:

english

Notes:

Past grade distribution

Total number of evaluated students: 16

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Státeřová, CSc., MUDr. Mária Janíčková, PhD., MPH

Last change: 11.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-071/16	Course title: Dentoalveolar and Maxillofacial Surgery (3)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I, II; Conservative Dentistry, Endodontics I, II, III; Dental Prosthodontics I, II, III; Dentoalveolar and Maxillofacial Surgery I, II	
Course requirements: Attendance 100 % Consecutive evaluation- test: minimum to pass: 65% Rate in the final evaluation: 80% Individual work Rate in final evaluation: 20% Scale of assessment (preliminary/final): Consecutive evaluation- test: minimum to pass: 65% Evaluation: : A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in the final evaluation: 80% Individual work: Realisation of the prescribed practical performance in the patient's oral cavity within the dentoalveolar surgery. Rate in final evaluation: 20%	
Learning outcomes: Students gain the complete information on the surgical performance additional to the conservative dental treatment. They gain manual experience and skills in resection of the root tips in one-root teeth. Students make themselves familiar with the methods of surgical treatment of the cysts of hard and soft tissues in oro-maxillofacial area. They can analyze, diagnose and set a treatment plan in case of a damage of teeth in an accident. The aim is also that the students understand the etiology, prevention and principles of the dispensarization of the patients with pre-cancer and tumors in oromaxillofacial area. The theoretical knowledge is being applied in practical work with the patients in the stomatological suite, operation ward and in the Dentistry and Maxillofacial Surgery.	
Class syllabus: Surgical Performance additional to Conservative Dental Treatment. Surgical Treatment of the Cysts in Soft and Hard Tissues of Oromaxillofacial Area. Salivary Gland Diseases, Differential Diagnostics and Treatment. Teeth Damaged in Accidents, Etiology, Diagnostics, Treatment, Complications.	

Pre-cancer Conditions, Etiology, Differential Diagnostics, Diagnostics and Treatment. Dispensarization of Patients with Pre-cancer, Aims and Methods. Prevention of the Malignant and Benign Tumors in Oro-maxillofacial Area. Etiology of the Malignant and Benign Tumors in Oro-maxillofacial Area.						
Recommended literature: Žurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s. ISBN 80-217-0496-9. Haisová, L., Antalovská, Z.: Anestézie v stomatológii. Praha: Avicenum, 1987. 180 s. Halmoš, J., Kufner, J.: Traumatológia čeľustí a tváre. Martin: Osveta, 1983. 250 s. Kufner, J., Urban, F.: Chirurgie čelistných a obličejových anomálií. Praha: Avicenum, 1981. 507 s. Lemeš, L. a kol.: Topografická anatomie prostomatology. Praha: Avicenum, 1984. 246 s. Ležovič, J., Kurill, E.: Novosti v stomatológii. I. Martin: Osveta, 1984. 289 s. Mazánek, J.: Nádory orofaciálnej oblasti. Praha: Victoria Publishing, 1997. 391 s. Mazánek, J.: Traumatologie orofaciálnej oblasti. 2., preprac. a dopl. vyd. Praha: Grada, 2007. 200 s. ISBN 80-247-1444-8. Satko, I., Stanko, P. a kol.: Orálna a maxilofaciálna chirurgia: otázky a odpovede. Bratislava: Univerzita Komenského, 1998. 138 s. ISBN 80-223-1260-6, skriptá. Satko, I., Stanko, P., Švidráň, J.: Orálna a maxilofaciálna chirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013. 308 s. ISBN 978-80-223-3366-5. Stárek, I., Černý, L., Simpson, R. W. H. a kol.: Choroby slinných žláz. Praha: Grada, 2000. 266 s. ISBN 80-7169-966-7. Šimunek, A. a kol.: Dentálna implantológia. Hradec Králové: Nucleus, 2001. 192 s. Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s. Wotke, J.: Patologie orofaciálnej oblasti. Praha: Avicenum Gradapublishing, 2001. 335 s. ISBN 80-7169-975-6.						
Languages necessary to complete the course: english						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
0,0	0,0	100,0	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Dagmar Stáelová, CSc., MUDr. Mária Janíčková, PhD., MPH						
Last change: 11.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-080/16	Course title: Dentoalveolar and Maxillofacial Surgery (4)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I, II; Conservative Dentistry, Endodontics I, II, III; Dental Prosthodontics , II, III; Dentoalveolar and Maxillofacial Surgery I, II, III	
Course requirements: Attendance 100 % Individual practical performance Rate of the practical exam in final evaluation: 20% Final assessment consists of the final test examination and the practical exam. Rate of the final test examination in final evaluation: 80% Scale of assessment (preliminary/final): Final assessment consists of the final test examination and the practical exam. Rate of the final test examination in final evaluation: 80% Individual practical performance: to perform one of the prescribed practical tasks of dentoalveolar surgery realised in the patients oral cavity. Rate of the practical exam in final evaluation: 20%	
Learning outcomes: Gaining the complete information on oncological problematics in oromaxillofacial area. Learning the methods of prevention, diagnostics and treatment of malignant and benign tumors in oromaxillofacial area. Students are able to analyze, diagnose, and set the treatment plan in patients after accidents in maxillofacial area. Classification of fractures in facial skeleton. Students are capable of conservative treatment of simple fractures of mandible – by maxillofacial immobilisation. Understanding the classification of surgical performances additional to conservative dental treatment. Students gain manual skills in performing resection of the root tips in single-rooted teeth. They familiarise with the problematics of the soft tissue injury. Capable of management of a patient with polytrauma and bullet wound.	
Class syllabus: Oncological Prevention (Primary, Secondary, Tertiary). Clinical Examination of the Patients with Malignant and Benign Tumors, Radiodiagnosis in Oncology, Histopathological Examinations . Benign Epithelial and Mesenchymal Tumors in Oromaxillofacial Area, Symptomathology, Diagnostics and Treatment.	

Malignant Epithelial Tumors in Oromaxillofacial Area, Symptomathology, Diagnostics and Treatment. Sarcomas in Oromaxillofacial Area, Symptomathology, Diagnostics, Treatment. Benign and Malignant Tumors of Salivary Glands, Symptomathology, Diagnostics, Treatment. Dentogenous Tumors, Symptomathology, Diagnostics and Treatment. False Tumors, Symptomathology, Diagnostics and Treatment . Complex Treatment of Tumors. Traumatology of Oromaxillofacial Area: Accidents Etiology, Clinical Symptoms of the Accidents. Principles of Examination, First Medical Aid. Classification of the Fractures of Facial Skeleton. Conservative and Surgical Treatment of the Fractures of Facial Skeleton . Complications of Fractures in Facial Skeleton. Orbital Injuries. Injuries of Soft Tissues. Bullet Wounds in Oromaxillofacial Area. Alkali Burns and Burns. Polytraumas. Specifics of Injuries in Maxillofacial Area in Children.
Recommended literature: Ďurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s. ISBN 80-217-0496-9. Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987. 180 s. Halmoš, J., Kufner, J.: Traumatológia čelústí a tváre. Martin: Osveta, 1983. 250 s. Kufner, J., Urban, F.: Chirurgie čelistních a obličejových anomálií. Praha: Avicenum, 1981. 507 s. Lemeš, L. a kol.: Topografická anatomie pro stomatologu. Praha: Avicenum, 1984. 246 s. Ležovič, J., Kurill, E.: Novosti v stomatológii. I. Martin: Osveta, 1984. 289 s. Mazánek, J.: Nádory orofaciální oblasti. Praha: Victoria Publishing, 1997. 391 s. Mazánek, J.: Traumatologie orofaciální oblasti. 2., preprac. a dopl. vyd. Praha: Grada, 2007. 200 s. ISBN 8024714448. Satko, I., Stanko, P. a kol.: Orálna a maxilofaciálna chirurgia: otázky a odpovede. Bratislava: Univerzita Komenského, 1998. 138 s. Skriptá. ISBN 80-223-1260-6. Satko, I., Stanko, P., Švidráň, J.: Orálna a maxilofaciálna chirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013. 308 s. ISBN 978-80-223-3366-5. Stárek, I., Černý, L., Simpson, R. W. H. a kol.: Choroby slinných žláz. Praha: Grada, 2000. 266 s. ISBN 80-7169-966-7. Šimunek, A. a kol.: Dentální implantologie. Hradec Králové: Nucleus, 2001. 192 s. Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s. Wotke, J.: Patologie orofaciální oblasti. Praha: Avicenum Grada publishing, 2001. 335 s. ISBN 80-7169-975-6.
Languages necessary to complete the course: slovak/english
Notes:

Past grade distribution						
Total number of evaluated students: 7						
A	ABS0	B	C	D	E	FX
85,71	0,0	14,29	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH						
Last change: 11.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-089/17	Course title: Dentoalveolar and Maxillofacial Surgery (5)
Educational activities: Type of activities: practicals Number of hours: per week: 16 per level/semester: 240 Form of the course: on-site learning	
Number of credits: 9	
Recommended semester: 11., 12..	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I, II; Conservative Dentistry, Endodontics I, II, III, IV, V; Dental Prosthodontics I, II, III, IV, V; Dentoalveolar and Maxillofacial Surgery I, II, III, IV	
Course requirements: Attendance 100 % Consecutive evaluation-test; minimum to pass 65% Rate in final evaluation: 80% Individual practical performance Rate of the practical exam in final evaluation: 20% Scale of assessment (preliminary/final): Consecutive evaluation-test; minimum to pass 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less Rate in final evaluation: 80% Individual practical performance: to perform one of the prescribed practical tasks of dentoalveolar surgery realised in the patients oral cavity. Rate of the practical exam in final evaluation: 20% Final Exam: State Exam (in 12th week)	
Learning outcomes: Students gain complete knowledge on diagnostics of anomalies of the facial skeleton and other structures within oromaxillofacial area and on the basic principles of their treatment. Theoretical knowledge and basic practical skills in differential diagnostics of pain in the facial area and possible treatment. Students are expected to manage the complex analysis of a patient with diseases and accidents in the maxillofacial region that require surgical treatment. Principles of management of the risk patients and solution of sudden cases. Students gain the complex picture of the problematics of osteoradionecroses and osteochemonecroses in oromaxillofacial area. They also acquire the problematics of the rational ATB therapy of diseases and accidents in oromaxillofacial region. The students gain practical skills in performing tasks within preprosthetic surgery and implantology. They are able to apply acquired theoretical knowledge in practical work with the patients in the dental suite, operation ward and in the Stomatology and Maxillofacial Surgery.	
Class syllabus:	

Pathological Fractures in Oromaxillofacial Area, Etiology, Diagnostics, Treatment and Complications. Pain in Oromaxillofacial Area, Trigeminal Neuralgia and other Neuralgias, Etiology, Diagnostics, Differential Diagnostics, Treatment and Complications. Defects in Function of the Facial Nerve and other Cranial Nerves, Etiology, Diagnostics, Treatment. Diseases of Temporomandibular Nerve, Etiology, Diagnostics, Conservative and Surgical Treatment, Rehabilitation, Physiotherapy. Orthodontics Anomalies, Etiology, Diagnostics, Differential Diagnostics, Treatment and Complications . Cranio-maxillofacial Anomalies, Clefts, Etiology, Diagnostics, Differential Diagnostics, Treatment and Complications. Orthognathic Surgery. Preprosthetic Surgery, Implantology, Indications and Contraindications. Benign Bone Lesions in Oromaxillofacial Area and Systemic Bone Diseases with Manifestations in Oromaxillofacial Area. Osteoradionecroses and Osteochemonecroses in Oromaxillofacial Area, Etiology, Diagnostics, Treatment and Complications. Sudden Cases in Dental Suite, Management of a Patient. Rational ATB Therapy in Diseases of Oromaxillofacial Region. Cooperation with Other Fields of Medicine. Expertise on Working Inabilities Caused by Diseases in Oromaxillofacial Area. Professional Ethics and Ethical Standards Related to Patients, Employees and Colleagues.
Recommended literature: Đurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s. ISBN 80-217-0496-9. Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987. 180 s. Halmoš, J., Kufner, J.: Traumatológia čeľustí a tváre. Martin: Osveta, 1983. 250 s. Kufner, J., Urban, F.: Chirurgie čelistných a obličejových anomálií. Praha: Avicenum, 1981. 507 s. Lemeš, L. a kol.: Topografická anatomie pro stomatology. Praha: Avicenum, 1984. 246 s. Ležovič, J., Kurill, E.: Novosti v stomatológii. I. Martin: Osveta, 1984. 289 s. Mazánek, J.: Nádory orofaciální oblasti. Praha: Victoria Publishing, 1997. 391 s. Mazánek, J.: Traumatologie orofaciální oblasti. 2., preprac. a dopl. vyd. Praha: Grada, 2007. 200 s, ISBN 8024714448. Satko, I., Stanko, P. a kol.: Orálna a maxilofaciálna chirurgia: otázky a odpovede. Bratislava: Univerzita Komenského, 1998. 138 s. Skriptá. ISBN 80-223-1260-6. Satko, I., Stanko, P., Švidráň, J.: Orálna a maxilofaciálna chirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013. 308 s. ISBN 978-80-223-3366-5. Stárek, I., Černý, L., Simpson, R. W. H. a kol.: Choroby slinných žláz. Praha: Grada, 2000, 266 s. ISBN 80-7169-966-7. Šimunek, A. a kol.: Dentální implantologie. Hradec Králové: Nucleus, 2001. 192 s. Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s. Wotke, J.: Patologie orofaciální oblasti. Praha: Avicenum Grada publishing, 2001. 335 s. ISBN 80-7169-975-6.
Languages necessary to complete the course: slovak/english
Notes:

Past grade distribution						
Total number of evaluated students: 7						
A	ABS0	B	C	D	E	FX
14,29	0,0	28,57	57,14	0,0	0,0	0,0
Lecturers: MUDr. Mária Janíčková, PhD., MPH, doc. MUDr. Dagmar Statelová, CSc.						
Last change: 12.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.DK/2-JZL-055/15	Course title: Dermatovenerology
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 8.	
Educational level: I.II.	
Prerequisites:	
Course requirements: The assessment is in the form of written exam, the minimal requirement is: 65 %. Grades: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less	
Learning outcomes: The absolvent of dermatovenerology knows the basics of the diseases of skin and mucous membranes, can explain the etiopathogenesis of those diseases, knows the diagnostic methods, principles of treatment and differential diagnosis of skin diseases	
Class syllabus: Content of Lectures Vesicular and bullous diseases, diagnosis of bullous disorders. Pemphigus, dermatitis herpetiformis, linear bulous dermatosis, bullous pemphigoid. Connective tissue disease, lupus erythematosus (LE), clinical classification, chronic cutaneous LE, scleroderma, dermatomyositis and polymyositis. Hypersensitivity syndromes and vasculitis, erythema multiforme, Stevens-Johnson syndrome, toxic epidermal necrolysis, erythema nodosum, vasculitis of small and large vessels. Bacterial infections: impetigo, ecthyma, cellulitis and erysipelas, folliculitis, sycosis barbae, furuncles and carbuncles, staphylococcal scalded skin syndrome, toxic shock syndrome, granulomatous infections: tuberculosis, leprosy. Fungal infections: dermatophyte fungal infections, candidiasis, chronic mucocutaneous candidiasis, systemic candidiasis, tinea versicolor. Eczema and dermatitis, atopic dermatitis. Urticaria, drug reactions. Sexually transmitted bacterial infections, gonorrhea, syphilis. Rare STD – lymphogranuloma venereum, granuloma inguinale. Sexually transmitted viral infections, genital warts, bowenoid papulosis, molluscum contagiosum, genital herpes simplex, acquired immunodeficiency syndrome. Paraneoplastic syndromes, lymphomas. Mastocytoses, histiocytoses. Tropical dermatovenerology. Content of Seminars and Practical Sessions	

Structure and function of the skin. Principles of clinical diagnosis in dermatologic practice. History of dermatovenerological patient, demonstration by the slides. Histopathology of the skin diseases. Description of the local skin findings. Principles of local therapy. Diagnostic techniques for the cutaneous mycoses. Chosen fungal diseases. Mycosis fungoides. Neurofibromatosis. Tumors of the melanocyte system. Dermatological allergology. Allergological techniques and laboratory examinations. Papulosquamous diseases (psoriasis, parapsoriasis, lichen planus, pityriasis rubra pilaris). Acne and rosacea – differential diagnosis and treatment. Venous disease of the lower extremities, thrombophlebitis and phlebothrombosis. Leg ulcers – differential diagnosis in leg ulcers. Premalignant and malignant epidermal tumors (basal cell carcinoma, squamous cell carcinoma). Tumours of the melanocyte system. Venerological diseases – syphilis, gonorrhoea – laboratory examinations. Case reports.																				
Recommended literature: Buchvald a kol.: Dermatovenerológia, Osveta Martin, 1993 Braun-Falco, O., Plewig, G., Wolff, Helmut, H.: Dermatológia a venerológia. Martin, Osveta 2001. Štork a kol. Dermatovenerologie, Galén 2013. Minariková E. Vybrané benígne a malígne nádory kože. Univerzita Komenského, Bratislava 2017																				
Languages necessary to complete the course: Slovak language																				
Notes:																				
Past grade distribution Total number of evaluated students: 16 <table border="1"> <thead> <tr> <th>A</th><th>ABS0</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>100,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td></tr> </tbody> </table>							A	ABS0	B	C	D	E	FX	100,0	0,0	0,0	0,0	0,0	0,0	0,0
A	ABS0	B	C	D	E	FX														
100,0	0,0	0,0	0,0	0,0	0,0	0,0														
Lecturers: prof. MUDr. Juraj Pěč, CSc., MUDr. Tatiana Pěčová, PhD.																				
Last change: 16.03.2018																				
Approved by: prof. MUDr. Jarmila Procházková, CSc.																				

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-058/15	Course title: Diploma Thesis Seminar (1)
Educational activities: Type of activities: practicals Number of hours: per week: 1 per level/semester: 15 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 8.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Preparing a thesis outline, information retrieval – submitted to the thesis supervisor	
Learning outcomes: A student chooses a topic of a thesis, and together with a supervisor he/she determines a strategy of thesis preparation (schedule), prepares a working outline of a thesis, presents the main objective of work and information retrieval.	
Class syllabus: Becoming familiar with the internal regulations related to thesis preparation. Becoming familiar with the basic stages of thesis preparation. Choosing a thesis topic. Strategy of thesis preparation (schedule). Working outline of a thesis, presentation of work objective. Information retrieval - searching documents related to the topic. Consultations.	
Recommended literature: In each student individually according to the diploma thesis assignment Internal Regulation No. 12/2013 Guideline of the Rector of Comenius University in Bratislava on the Basic Essentials of Theses, Rigorous Theses and Habilitation Theses, Check of Their Originality, Their Storage and Accessing at Comenius University in Bratislava Internal Regulation No. 43/2013 Decision of the Dean of the Jessenius Faculty of Medicine in Martin CU on Theses (bachelor's and master's) of students of JFMED CU in Martin Hanáček J, Javorka K a kol.: Základy vedeckovýskumnej práce, Osveta, Martin, 2008, 216 s. ISBN 8080632816. Meško D, Katuščák D a kol.: Akademická príručka, Osveta, Martin, 2005, 496 s. ISBN 8080632006. Katuščák D: Ako písať záverečné a kvalifikačné práce, Enigma Publishing, s.r.o., Nitra, 2007, 162 s. ISBN 8089132454.	
Languages necessary to complete the course: Slovak /english	

Notes:						
Past grade distribution						
Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Ľudovít Laca, PhD., MUDr. Marek Adámik, PhD., MUDr. Ivana Daňová, PhD., doc. MUDr. Ivana Dedinská, PhD., doc. MUDr. Anton Dzian, PhD., prof. MUDr. Alexander Ferko, CSc., MUDr. Martin Grajciar, MUDr. Michal Hošala, PhD., MUDr. Ján Janík, PhD., MUDr. Juraj Miklušica, PhD., MUDr. Anton Mikolajčík, PhD., doc. MUDr. Dušan Mištuna, PhD., MUDr. Blažej Palkoci, MUDr. Miroslav Pindura, MUDr. Marek Smolár, PhD., MPH, MUDr. Ladislav Šutiak, PhD., MUDr. Martin Vojtko, prof. MUDr. Lukáš Plank, CSc., prof. MUDr. Katarína Adamicová, PhD., MUDr. Tomáš Balhárek, PhD.						
Last change: 13.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-070/16	Course title: Diploma Thesis Seminar (2)
Educational activities: Type of activities: practicals Number of hours: per week: 3,33 per level/semester: 49,95 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Seminary to diploma thesis assignments 1	
Course requirements: To present the final work outline. Scale of assessment (preliminary/final): continuous evaluation	
Learning outcomes: The student is able to select relevant documents and information related to the given topic, works with the literature and correctly quotes it. It is able to collect and process research material (according to the focus of the work).	
Class syllabus: Detailed acquaintance with the content of documents obtained in the information survey, reading, studying. Selection of relevant documents and information for further processing. Citation methods. Method of elaboration of diploma thesis (collection and processing of material) according to work direction. Job creation - a definitive outline of work, layout of material into content-related units. Independent student research. Consultation.	
Recommended literature: Depends on the individuality of the specific topic of diploma thesis. Internal regulation no. 12/2013 Rector of Comenius University in Bratislava about basic elements of final works, rigorous works and habilitation works, control of their originality, preservation and accessibility at Comenius University in Bratislava. Internal regulation. 43/2013 Decision of the dean of Jessenius Medical Faculty of Charles University in Martin. Implementing regulation concerning the final work of students of the Jessenius Faculty of Medicine of Commenius University in Martine.	

Hanáček J, Javorka K et al.: Fundamentals of scientific research, Osvet, Martin, 2008, 216 p. ISBN 8080632816.
 Meško D, Katuščák D et al. : Academic guide, Osvet, Martin, 2005, 496 p. ISBN 8080632006.
 Katuščák D: How to write final and qualifying work, Enigma Publishing, s.r.o., Nitra, 2007, 162 p. ISBN 8089132454.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 16

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Katarína Adamicová, PhD., prof. MUDr. Ľudovít Laca, PhD., MUDr. Marek Adámik, PhD., MUDr. Ivana Daňová, PhD., doc. MUDr. Ivana Dedinská, PhD., doc. MUDr. Anton Dzian, PhD., prof. MUDr. Alexander Ferko, CSc., MUDr. Martin Grajciar, MUDr. Michal Hošala, PhD., MUDr. Ján Janík, PhD., MUDr. Juraj Miklušica, PhD., MUDr. Anton Mikolajčík, PhD., doc. MUDr. Dušan Mištuna, PhD., MUDr. Blažej Palkoci, MUDr. Miroslav Pindura, MUDr. Marek Smolár, PhD., MPH, MUDr. Ladislav Šutiak, PhD., MUDr. Martin Vojtko

Last change: 13.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-SS3/17	Course title: Diploma Thesis and Defense of Diploma Thesis
Number of credits: 4	
Educational level: I.II.	
Recommended prerequisites: J-S-ZL-079 Seminary to diploma thesis assignments 3	
Course requirements: Elaboration of the final version of the diploma work, submission of the diploma thesis, presentation and defense of the diploma thesis to commission. Scale of assessment (preliminary/final): Final oral defense of the diploma thesis	
Learning outcomes: The student is able to work creatively with literary sources and summarize basic scientific knowledge into a logically arranged whole, which corresponds to the form of the diploma work. Have to know to present clear definition and methodology of his / her work, able to work with the results through a practical interpretation (according to the topic of diploma thesis), to classify the term in accordance with the applicable rules. It is able to present and defend the results of diploma thesis.	
Class syllabus: Creation of work - creation of content (formal and content form) - writing of work, filling of individual materials from study and research (according to the topic of diploma thesis), explanation of insights and formulations, illustrations,charts. Preparation of documentation - List of bibliographical references and their completion with respect to ethics and technical skills, author reading, corrections. Preparing the final version of the work - content (concentrating on the first and final conclusions) and the formal pages, incorporating the teacher 's notes. Consultation on individual parts of the final preparation of the final work. Submission of the diploma thesis. Defense - presentation of the diploma work and its preparation.	
State exam syllabus:	
Recommended literature: Depends on the individuality of the specific topic of diploma thesis. Internal regulation no. 12/2013 Rector of Comenius University in Bratislava about basic elements of final works, rigorous works and habilitation works, control of their originality, preservation and accessibility at Comenius University in Bratislava. Internal regulation. 43/2013 Decision of the dean of Jessenius Medical Faculty of Charles University in Martin. Implementing regulation concerning the final work of students of the Jessenius Faculty of Medicine of Commenius University in Martine. Hanáček J, Javorka K et al.: Fundamentals of scientific research, Osvet, Martin, 2008, 216 p. ISBN 8080632816. Meško D, Katuščák D et al .: Academic guide, Osvet, Martin, 2005, 496 p. ISBN 8080632006.	

Katuščák D: How to write final and qualifying work, Enigma Publishing, s.r.o., Nitra, 2007, 162 p. ISBN 8089132454.
Languages necessary to complete the course: slovak/english
Last change: 15.12.2017
Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚCJ/J-S-ZL-003/15	Course title: Foreign Language for Dental Medicine (1)
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 30 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 1.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 2 written tests - min. 60% Evaluation: A: 91-100%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, FX: menej ako 60% Scale of assessment (preliminary/final): 2 written tests - min. 60%	
Learning outcomes:	
Class syllabus: English language: 1st week Medical education Reading comprehension: Study at the University Medical language: Medical Subjects and Specialties Video-watching: A Day in a Life of a Dental Student Famous personalities: Jan Jessenius 2–3 week Head anatomy Reading comprehension: Head and Neck Anatomy Medical language: Describing the human body: Locative adjectives – Verbs describing position and direction – Locative adverbs and prepositions 4th week The oral cavity Lead-in: Idioms. Reading comprehension: The Oral Cavity Medical language: Numbers and Shapes Video-watching: Eruption of Teeth 5th week Tooth anatomy Lead-in: A language knowledge test. Reading comprehension: Tooth anatomy Medical language: Derived Adjectives Video-watching: Tooth Anatomy 6th week Dentistry Reading comprehension: Dentistry Medical language: Formation of Medical Terms	

Video-watching: Modern dentistry & technology Supplementary reading: Stomatitis 7th week 1st credit test 8th week Dental practice Lead-in: Common vocabulary used in a dental office Počúvanie s porozumením: Departments of a Dental Practice Reading comprehension: The Dental Centre Basic Dental Instruments Medical language: Important Words with Examples Video-watching: Sterilization and Disinfection of Dental Instruments 9th week Communication in the dental practice Reading comprehension: Communication in the Dental Practice Video-watching: Communication in Dentistry Medical language: Effective Words and Phrases Supplementary reading: Why people are afraid of a dentist 10th week Interviewing the patient Lead-in: Appropriate headings for the dialogues Reading comprehension: Taking a Patient's History Medical language: Instructions, Commands, Requests. Video-watching: Dialogues at the dentist 11th week Common dental problems Lead-in: Brainstorming. Quiz Reading comprehension: Common Dental Problems Medical language: Compound Adjectives Listening comprehension: Common dental problems 12–13 week Inflammatory diseases Reading comprehension: Gingivitis and Periodontitis. Treatment of Gingivitis Medical language: Regular and Irregular Plural Listening comprehension: Plaque and Your Teeth Video-watching: Gingivitis Bleeding Gums 14th week Dental caries Reading comprehension: Dental Caries. Classification of Cavities Medical language: Causative Use of have and to be used to Video-watching: Dental Caries (Animation). Tooth Decay Supplementary reading: Fissure Sealants 15th week 2nd credit test (+ substitution classes)
Recommended literature: English Language: x Džuganová, B.: English for dental students. Vydavateľstvo UK Bratislava 2015. ISBN 978-80-223-3906-3 Studzińska-Pasieka, K. – Otto, M.: Open Your English Wider!!! English for dental professionals. Łódź: Bestom Dento 2011. ISBN 978-83-932688-1-8.
Languages necessary to complete the course: English language, German language
Notes:

Past grade distribution						
Total number of evaluated students: 27						
A	ABS0	B	C	D	E	FX
48,15	0,0	40,74	7,41	3,7	0,0	0,0
Lecturers: PhDr. Mária Bujalková, CSc., PhDr. Božena Džuganová, PhD.						
Last change: 26.10.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚCJ/J-S-ZL-007/15	Course title: Foreign Language for Dental Medicine (2)
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 30 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 2.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 2 written tests - min. 60% Evaluation: A: 91-100%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, FX: menej ako 60%	
Learning outcomes:	
Class syllabus: English language: 1st week One week is reserved for dissection classes in anatomy (It can be any week in the summer semester depending on the syllabus of the Department of Anatomy) 2nd week Tooth charting Reading comprehension: Universal Tooth Numbering System Video-watching: Patient Records Management & Dental Charting. Introducing the Ideal Charting for General Dentists (ICGD) System Medical language: Word Formation II. Suffixes: -shaped/-like Famous dentists: Greene Vardiman Black 3rd week Dental hygiene Reading comprehension: Dental Care Medical language: Derived Adjectives Video-watching: How to Brush Your Teeth in 4 Simple Steps Student's power-point presentation of a chosen topic 4–5 week Malocclusions Reading comprehension: Malocclusions Medical language: Prepositional Verbs Listening comprehension: What is Malocclusion? Video-watching: Introduction to Orthodontics Supplementary reading: Prognathism Student's power-point presentation of a chosen topic 6th week Orthodontics Lead-in: Recognition of Appliances Reading comprehension: Orthodontics	

Medical language: Relative clauses. Short-Form Clauses Video-watching: Adult Orthodontic Treatment Supplementary reading: Dental Impression Student's power-point presentation of a chosen topic 7th week 3rd credit test 8th week Tooth anomalies Lead-in: Tooth anomalies. Survey of Tooth Anomalies Reading comprehension: Supernumerary Teeth. Hypodontia Medical language: Negative Prefixes Supplementary reading: Inherited Deformities and Disorders Student's power-point presentation of a chosen topic 9th week Tooth wear Reading comprehension: Attrition, Abrasion, Erosion. What is Bruxism? Medical language: The Passive Video-watching: Bruxism Student's power-point presentation of a chosen topic 10th week Dental restorations Lead-in: Idioms Reading comprehension: Dental Restorations Medical language: Word Formation – Useful Suffixes Listening comprehension: Dental Health and Tooth Restorations Medical history: Historical Dental Fillings Student's power-point presentation of a chosen topic 11–12 week Cosmetic dentistry Lead-in: Causes of Tooth Discolouration Reading comprehension: Cosmetic Dentistry Medical language: Prepositions Listening comprehension: Teeth Whitening: Who Should Not Undergo Teeth Whitening? Video-watching: Tooth Bonding Student's power-point presentation of a chosen topic 13–14 week Prosthodontics Lead in: Images of Prosthodontic Treatment Reading comprehension: Prosthodontics. Dental Implants Medical English: Synonyms and Antonyms Listening comprehension: Dental Implants Video-watching: Implant vs. bridge. Single tooth implant Supplementary reading: Interesting Facts about Dental Implants Student's power-point presentation of a chosen topic 15th week substitution week
Recommended literature: English Language: Božena Džuganová (2015): English for dental students. UK Bratislava. Kinga Studzińska-Pasieka – Marcin Otto (2011): Open Your English Wider!!! English for dental professionals. Bestom.Polsko Internet
Languages necessary to complete the course:

English language						
Notes:						
Past grade distribution						
Total number of evaluated students: 18						
A	ABS0	B	C	D	E	FX
66,67	0,0	27,78	5,56	0,0	0,0	0,0
Lecturers: PhDr. Mária Bujalková, CSc., PhDr. Božena Džuganová, PhD.						
Last change: 02.10.2015						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚSLME/2-JZL-051/15			Course title: Forensic Medicine and Medical Legislative			
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 7.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 25						
A	ABS0	B	C	D	E	FX
80,0	0,0	12,0	4,0	0,0	4,0	0,0
Lecturers: prof. MUDr. František Novomeský, PhD., doc. MUDr. Jozef Krajčovič, PhD., doc. MUDr. Ľubomír Straka, PhD., MUDr. Martin Janík, PhD.						
Last change:						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.GPK/2-JZL-068/16		Course title: Gynecology and Obstetrics				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 9.						
Educational level: I.II.						
Prerequisites:						
Course requirements: 90% mandatory participation on practical exercises Scale of assessment (preliminary/final): Final.						
Learning outcomes: Total number of students assessed: 5 A: 100%, B: 0 %, C: 0 %, D: 0%, E: 0 %, FX: 0 %, ABS0: 0 %						
Class syllabus: Embryonal development of oral and facial structures. Development disorders of oral and facial structures. Congenital epulis a tumors of oro-facial structures in fetus. Oral health and dental care in pregnancy. Oral health and pregnancy loss, preterm labor. Gingivitis in pregnancy. Epulis gravidarum (Granuloma gravidarum). Stomatologic malignancies in pregnancy. Stomatologic treatment in pregnancy. Imaging methods in stomatology during pregnancy. Spontaneous labor. Postpartum period.						
Recommended literature: Danko, J., Mlynček, M.: Vybrané kapitoly z gynekológie a pôrodnictva. Bratislava: Vydavateľstvo UK, 1991, 114s. Danko, J. a kol.: Vybrané kapitoly z gynekológie a pôrodnictva II, Bratislava: Vydavateľstvo UK, 1994, 207 s. Danko, J. a kol.: Vybrané kapitoly z gynekológie a pôrodnictva III, Bratislava: Vydavateľstvo UK, 1999, 190s. Danko, J. a kol.: Aktuálny stav diagnostiky hypoxie plodu, Bratislava: Vydavateľstvo UK, 2008, 170 s. Huch, A.: Praktické postupy v pôrodnictve, Martin: Osveta, 1999, 246s. Čech, E a kol.: Porodnictví, Praha: Grada, 2006, 550s.						
Languages necessary to complete the course: Slovak.						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Ján Danko, CSc.
Last change: 12.01.2018
Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚHE/J-S-ZL-010/15	Course title: Histology and Embryology for Dental Medicine (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning	
Number of credits: 6	
Recommended semester: 2.	
Educational level: I.II.	
Prerequisites:	
Course requirements: - Student actively participates in 93% of all practical sessions (a student is allowed to miss out one practicum for serious reason). - Forms of knowledge control: 1. discussion by microscope – description of histological slides (in case that student is not able to discuss histomorphology of basic human tissues in question, he/she will be asked to substitute the session in the last compensatory week), 2. student is required to pass 2 written tests (1 question, 4 possible answers, only one is correct), minimum percentage to pass each test is 70%, 3. practical (credit exam) – to diagnose and describe 2 human tissues slides (discussion and final result on responsibility of teacher). Evaluated A-Fx. Scale of assessment (preliminary/final): 20/80	
Learning outcomes: After completion of the subject, the student understands routine work with light microscope and is able to orientate in basic staining methods (e.g. HE, Giemsa, PAS, Gomori, Orcein, Cajal, Oil red, Luxol blue, Anilin blue, Trichrom). Students understand histological terminology. Based on theoretical knowledge, student is able to identify microscopically main human tissues including their differential diagnosis and to discuss the topic in question (epithelium, connective tissue, cartilage, bone, muscles, nervous tissues, bone marrow and blood). Student is able to apply histomorphological knowledge in functional histology of organs and systems, e.g. functional histology of gland epithelium, muscle contraction, bone marrow cell production. Along with it, student understands the connection of histology and embryology with other medical branches such as biology, physiology, pathological physiology and pathological anatomy. Student is able to reproduce functional histology and morphology of teeth in detail and in association with their development.	
Class syllabus: - Introduction to histology and embryology, role of histology and embryology in medical study. Cell in light microscopy and electron microscopy (review). - Functional histology of epithelial tissue I and II - covering and glandular epithelia, clinical correlations.	

- Functional histology of supporting / connective tissues - cells, extracellular matrix, fibers, types of connective tissues, clinical correlations.
- Functional histology of skeletal tissues - cartilages and bones, clinical correlations.
- Functional histology of bone marrow, peripheral blood, composition of plasma, stem cell, haematopoiesis topography, reactive elements, interstitium, clinical correlations.
- Functional histology of muscles - general characteristics, types of muscles, mechanism of contraction, connective tissue associated with muscles, regeneration of muscles, clinical correlations.
- Functional histology of nervous tissues - neuron synapses, division of nervous system, white and gray matter, degeneration and regeneration, clinical correlations.
- Central and peripheral nervous system - embryology, meninges and spaces, cerebrum, cerebellum, spinal cord, peripheral nerves, functional histology of CNS and PNS, cerebrospinal fluid, clinical correlations.
- Cardiovascular system I - embryology, general organization, structure of heart wall – endocard, myocard, epicard, conducting system, clinical correlations.
- Cardiovascular system II - embryology, arteries, veins, capillaries, lymphatics, clinical correlations.
- Respiratory system - embryology, general organization and subdivision, upper portion, trachea, bronchial tree, respiratory portion, BALT, clinical correlations.
- Digestive system I, oral cavity – embryology, lips, epithelial surfaces, tonsils, tongue, papillae, taste buds, clinical correlations.
- Digestive system II, alimentary canal - embryology, pharynx, esophagus, stomach, small and large intestines, appendix, anus, GALT system, development of tooth, clinical correlations.
- Digestive system III, glands - embryology, types of secretory cells, salivary glands, saliva, liver, gallbladder, pancreas, structure of tooth and associated structures – crown, cervix, root, enamel, dentin, cementum, pulp, eruption, innervation, nutrition, clinical correlations.
- Differential diagnosis of human tissues and organs, including tissues of oral cavity.

Recommended literature:

Junqueira L. C., Carneiro J., Kelley R. O.: Základy histológie. Praha H&H, 1995, 502s., ISBN 80-8578-737-7

Kapeller, K., Strakele, H.: Cytomorfológia. Martin: Osveta, 1990. 237 s. ISBN 80-2170-130-7

Kapeller, K., Pospíšilová, V.: Embryológia človeka. Martin: Osveta, 1991. 341 s. ISBN 80-2170-332-6

Adamkov M. a spol.: Morfológia a klinika myofasciálnej bolesti hlavy. Vydavateľstvo P+M Turany. 2010, 65 s. ISBN: 978-80-89410-09-5

Languages necessary to complete the course:

Slovak language

Notes:

Past grade distribution

Total number of evaluated students: 17

A	ABS0	B	C	D	E	FX
88,24	0,0	11,76	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Marian Adamkov, CSc., MUDr. Elena Fuseková, CSc., MUDr. Eva Ochodnická, CSc., MVDr. Soňa Báľentová, PhD., RNDr. Mária Kovalská, PhD.

Last change: 18.08.2016

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚHE/J-S-ZL-013/16	Course title: Histology and Embryology for Dental Medicine (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 45 / 30 Form of the course: on-site learning	
Number of credits: 7	
Recommended semester: 3.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Histology and embryology for Dentistry 1	
Course requirements: - Student actively participates in 93% of all practical sessions (a student is allowed to miss out one practicum for serious reason). - Forms of knowledge control: 1. discussion by microscope – description of histological slides (in case that student is not able to discuss functional histology of human tissues and organs in question, he/she will be asked to substitute the session in the last compensatory week), 2. student is required to pass 2 written tests (1 question, 4 possible answers, only one is correct), minimum percentage to pass each test is 70%, 3. practical (credit exam) – to diagnose and describe 2 human tissues slides (discussion and final result on responsibility of teacher). The exam in Histology and Embryology includes 2 parts : - practical part - 3 slides (to pass at least two of them – well founded description and discussion), - oral part - 3 exam questions (general histology / cytology, organ functional histology, and embryology). Evaluated: A-Fx Scale of assessment (preliminary/final): 20/80	
Learning outcomes: Students who successfully complete this course is able to identify microscopically main organs and tissues of all human systems and describe their salient histomorphological features in association with characteristic functions. Student understands differential diagnosis between microscopically similar organs of human system (e.g. stomach vs. intestine, cerebral vs. cerebellar cortex, adenohypophysis vs. neurohypophysis). Based on functional histology, student better understands principles of physiological and pathological processes and changes in human tissues and organs. Student should understand a complex dynamics of human being development from gametogenesis to delivery in phylogenetic and onthogenetic relations. The goal is to provide students with an understanding of the principles of embryogenesis that can be used in the diagnosis, care and prevention of birth defects of teeth and oral cavity.	

Class syllabus:

- Lymphoid system - embryology, classification of lymphocytes, primary and secondary lymphatic organs and tissues, functional histology of thymus, lymph node, spleen, and tonsil, clinical correlations.
- Endocrine system - embryology, principles of endocrine glands, hormones classification, functional histology of hypothalamus, adenohypophysis and neurohypophysis, thyroid gland, parathyroid glands, adrenal glands, and Langerhans islets, clinical correlations.
- Urinary system - embryology, composition of urinary system, functional histology of kidney, blood circulation, histological structure of ureter, urinary bladder, and urethra, clinical correlations.
- Reproductive systems - embryology, general characteristics of male reproductive system, structure and functions of testes, excretory genital ducts, accessory glands, clinical correlations. General characteristic of female reproductive system – structure and functions of ovaries, uterus, including cervix, uterine tube, and vagina, clinical correlations.
- Skin - embryology, general structure of skin, functional histology of epidermis, including basal lamina, dermis, and hypodermis, structure and functions of epidermal derivatives, wound healing, clinical correlations.
- Breast - embryology, functional histology of inactive (resting) mammary gland, during pregnancy, and during lactation, milk, hormone regulations, clinical correlations.
- Differential diagnosis of human tissues and organs.
- Apoptosis - general characteristics, pathways, regulations, main histomorphological, biochemical, and physiological features, role in normal and pathological tissues, clinical correlations.
- Principles of immunohistochemistry, antigens, antibodies, CD system, application in differential diagnosis of normal and pathological human tissues, clinical correlations.
- Gametogenesis - spermatogenesis and spermiogenesis, functional histology of sperm, spermatogenesis, oogenesis, functional histology of ovum, ovulation, corpus luteum, clinical correlations.
- Fertilization - phases of fertilization, zygote, development of blastocyst, causes of infertility, clinical correlations.
- Menstrual cycle - functional histology of endometrium, phases of menstrual cycle, preparation of endometrium for implantation.
- Implantation - phases of implantation, decidual reaction, simultaneous development of conceptus, clinical correlations.
- Placenta - development of placenta, functional histology of placenta, utero-placental membrane and permeability, clinical correlations.
- Embryonal and fetal period of development, birth defects (review).

Recommended literature:

Junqueira L. C., Carneiro J., Kelley R. O.: Základy histológie. Praha H&H, 1995, 502s., ISBN 80-8578-737-7
Kapeller, K., Strakele, H.: Cytomorfológia. Martin: Osveta, 1990. 237 s. ISBN 80-2170-130-7
Kapeller, K., Pospíšilová, V.: Embryológia človeka. Martin: Osveta, 1991. 341 s. ISBN 80-2170-332-6
Adamkov M. a spol.: Morfológia a klinika myofasciálnej bolesti hlavy. Vydavateľstvo P+M Turany. 2010, 65 s. ISBN: 978-80-89410-09-5

Languages necessary to complete the course:

Slovak language

Notes:

Past grade distribution						
Total number of evaluated students: 17						
A	ABS0	B	C	D	E	FX
64,71	0,0	23,53	11,76	0,0	0,0	0,0
Lecturers: prof. MUDr. Marian Adamkov, CSc., MUDr. Eva Ochodnická, CSc.						
Last change: 12.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚMI/J-S-ZL-021/17	Course title: Immunology
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 4.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Medical biology for stomatology 2	
Course requirements: - it is obligatory to be present at practicals (1 absence is tolerated) - 1 test during the semester - oral presentation according the schedule Exam: End study evaluation of students is based on written exam – test. Minimal cut off level is 60%. Scale of assessment (preliminary/final): 0%/100%	
Learning outcomes: The student receives information from specific and nonspecific immunity, immune competent cells, mechanisms of regulation of immune answer. The student is able to characterise the antigens, their structure and immunogenic potential as well as immunoglobulins, their function, mechanisms of antibody production, idiotypes, allotype, isotypes. The reached knowledges enable to understand the problems of vaccination, types of vaccines, hypersensitivity, autoimmunity and immunodeficiencies. Transplantation and tumor immunity are covered at introductory level. The students are able to understand, indicate and interpret the basic immunological diagnostic tests and procedures. The gained information is the base for further study of different clinical branches that can be completed in the study of clinical immunology in the 10th semester. All themes are presented and required within the scope of stomatology.	
Class syllabus: Introduction to immunology Discrimination between self and non self Antigens and receptors., Terminology Nonspecific immunity – barriers, cells, mechanism and functions Specific immunity – molecules, immunoglobulins, organs and cells differentiation Lymphocytes – activation, APC Regulation of immunity, cytokines Tumor immunity Transplantation immunity	

Hypersensitivity Immunotherapy Immunostimulation IDS Antiinfective immunity						
Recommended literature: Buc M a kol. Imunológia. Bratislava: UK 1999; 248 s. Neuschlová M, Nováková E, Kompaníková J. Abeceda imunológie - terminologický slovník. UK v Bratislave JLF UK v Martine 2016; 60 s. ISBN 978-80-8187-016-3. Dostupné na: https://portal.jfmed.uniba.sk/clanky.php?aid=344 Neuschlová M, Nováková E, Kompaníková J. Návod na praktické cvičenia z imunológie. UK v Bratislave JLF UK v Martine 2016; 114 s. ISBN 978-80-8187-017-0. Učebné texty na MEFANETe http://portal.jfmed.uniba.sk/lekarske-discipliny.php?disid=119 a web stránke Ústavu mikrobiológie a imunológie Abbas K a kol. Basic Immunology 3 rd edition, Elsevier, 2012. 320 s. Nováková E a kol. Lekárska vakcinológia nielen pre medikov. Banská Bystrica: PRO, 2007. 141s. Doan T. et all. Immunology, Lippincott's Illustrated Reviews, LWW, 2008. 334 s. Murray PR, Rosenthal KS, Pfaller MA. Medical Microbiology 7th Edition. Philadelphia: Elsevier Saunders 2013; pp. 874. Greenwood D et al. Lékařská mikrobiologie. Praha: Grada 1999. 686 s. Greenwood D et al. Medical microbiology. Edinburgh: Elsevier 2012. 778 s.						
Languages necessary to complete the course: slovak language						
Notes:						
Past grade distribution Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Elena Nováková, PhD., MUDr. Jana Kompaníková, PhD., MUDr. Martina Neuschlová, PhD., MUDr. Vladimíra Sadloňová, PhD.						
Last change: 20.11.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.IK1/2-JZL-SS1/16	Course title: Internal Medicine
Number of credits: 0	
Educational level: I.II.	
State exam syllabus:	
Last change: 25.01.2017	
Approved by: prof. MUDr. Jarmila Procházková, CSc.	

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.IKG/2-JZL-049/15		Course title: Internal Medicine (1)				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 7.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 25						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Rudolf Hyrdel, CSc., prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, doc. MUDr. Margita Belicová, PhD., prof. MUDr. Peter Galajda, CSc., doc. MUDr. Milan Ochodnický, CSc., doc. MUDr. Jurina Sadloňová, CSc.						
Last change:						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.IKG/2-JZL-057/15		Course title: Internal Medicine (2)				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning						
Number of credits: 3						
Recommended semester: 8.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Rudolf Hyrdel, CSc., prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, doc. MUDr. Margita Belicová, PhD., prof. MUDr. Peter Galajda, CSc., doc. MUDr. Milan Ochodnický, CSc., doc. MUDr. Jurina Sadloňová, CSc., prof. MUDr. Ján Staško, PhD., prof. MUDr. Peter Kubisz, DrSc., MUDr. Juraj Sokol, PhD., MUDr. Lucia Stančiaková, PhD.						
Last change:						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.IK1/2-JZL-067/16		Course title: Internal Medicine (3)				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning						
Number of credits: 3						
Recommended semester: 9.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, doc. MUDr. Margita Belicová, PhD., prof. MUDr. Peter Galajda, CSc., doc. MUDr. Milan Ochodnický, CSc., doc. MUDr. Jurina Sadloňová, CSc.						
Last change: 22.01.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.IK1/2-JZL-077/17		Course title: Internal Medicine (4)				
Educational activities: Type of activities: practicals Number of hours: per week: 5,33 per level/semester: 79,95 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 10.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 9						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, doc. MUDr. Margita Belicová, PhD., prof. MUDr. Peter Galajda, CSc., doc. MUDr. Milan Ochodnický, CSc., doc. MUDr. Jurina Sadloňová, CSc.						
Last change: 22.01.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.IKG/J-S-ZL-030/17		Course title: Internal Medicine Propedeutics (1)				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning						
Number of credits: 1						
Recommended semester: 5.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 10						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Rudolf Hyrdel, CSc., prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, doc. MUDr. Margita Belicová, PhD., prof. MUDr. Peter Galajda, CSc., doc. MUDr. Milan Ochodnický, CSc., doc. MUDr. Jurina Sadloňová, CSc.						
Last change: 28.11.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.IKG/J-S-ZL-039/17		Course title: Internal Medicine Propedeutics (2)				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 30 / 15 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 6.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Rudolf Hyrdel, CSc.						
Last change: 28.11.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚLBch/J-S-ZL-015/16		Course title: Medical Biochemistry for Dental Medicine (1)				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 45 / 30 Form of the course: on-site learning						
Number of credits: 5						
Recommended semester: 3.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 17						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Dušan Dobrota, CSc., prof. RNDr. Peter Račay, PhD.						
Last change:						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚLBch/J-S-ZL-020/16		Course title: Medical Biochemistry for Dental Medicine (2)				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 45 / 30 Form of the course: on-site learning						
Number of credits: 7						
Recommended semester: 4.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 10						
A	ABS0	B	C	D	E	FX
60,0	0,0	40,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Dušan Dobrota, CSc., prof. RNDr. Peter Račay, PhD.						
Last change:						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚLBI/J-S-ZL-004/15	Course title: Medical Biology for Dental Medicine (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 1.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Successful passing of two credit tests (not less than 60%), 100% attendance at practical classes	
Learning outcomes: After completing the subject, the student has knowledge in general cytology – structure, function and pathology of the cell.	
Class syllabus: Biopolymers – proteins, nucleic acids, polysaccharides. The cell theory. Cell as a basic structural and functional unit. Organization of the cell memory system, genetic information. Cell genome. Gene expression. Biological membranes – structure and function. Cell surfaces. Membrane transport. Cytoskeleton. Membrane organelles – nucleus, mitochondria, endoplasmic reticulum, Golgi complex, lysosomes, peroxisomes. Influence of external factors on cell. Cell division – mitosis. Meiosis, gametogenesis.	
Recommended literature: Recommended literature: - Nečas,O. a kol.: Obecná biologie pro lékařské fakulty, Jinočany, H&H 2000, 554 s. - Péč, M. a kol.: Semináře a cvičenia z lekárskej biológie pre zubné lekárstvo, Martin, Beriss, 2013, - Sršeň,Š., Sršňová,K.: Základy klinickej genetiky a jej molekulárna podstata, Martin, Osveta 2000, 410s. - Kapeller,K., Strakele, H.: Cytomorfológia, Osveta, Martin, 1999, 239 s. - Rosypal,S.: Úvod do molekulární biologie I. Brno, PFMU 1996. 304 s. - Rosypal,S.: Úvod do molekulární biologie II. Brno, PFMU 1996. 231 s.	
Languages necessary to complete the course: Slovak	
Notes:	

Past grade distribution						
Total number of evaluated students: 27						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Martin Pěč, PhD., doc. RNDr. Peter Kubatka, PhD.						
Last change: 01.10.2015						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚLBI/J-S-ZL-008/17		Course title: Medical Biology for Dental Medicine (2)				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning						
Number of credits: 8						
Recommended semester: 2.						
Educational level: I.II.						
Prerequisites:						
Course requirements: Successful passing of two credit tests (not less than 60%), 100% attendance at practical classes, successful passing of oral exam. Scale of assessment (preliminary/final): Test, stand-alone work.Mark, according to oral exam (3 questions).						
Learning outcomes: After completing the subject, the student has knowledge in molecular biology and genetics, in genetics of blood groups, immunogenetics as well as in genetics of cancer cell, viruses and bacteria.						
Class syllabus: DNA replication. General laws of inheritance – Mendel’s laws, gene interactions, gene linkage. Genetics of blood groups. Mutations – gene, chomosomal, numerical. Population genetics. Pedigree analysis. Genetics of prokaryotes and viruses. Immunogenetics – HLA system. Cancer cell genetics – protooncogenes, oncogenes. Cytogenetic methods, methods of gene engineering.						
Recommended literature:						
Languages necessary to complete the course: Slovak						
Notes:						
Past grade distribution Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Martin Péč, PhD., doc. RNDr. Peter Kubatka, PhD.						
Last change: 18.01.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚLBf/J-S-ZL-001/17	Course title: Medical Biophysics for Dental Medicine
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 4 / 2 per level/semester: 60 / 30 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 1.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Evaluation of students is based on oral exam, credit test and results from practicals and seminars. The final evaluation of students before oral exam is given by addition of their particular points. This will assign them into the rank: A (at least 490 points), B (≥ 430 ps.), C (≥ 370 ps.), D (≥ 310 ps.), E (≥ 250 ps.), Fx (less than 250 ps). Scale of assessment (preliminary/final): 50/50	
Learning outcomes: After completion of the subject a student masters basic physical and physical-chemical processes in biological systems. He (she) has a basic knowledge in an use of supporting image methods and the methods of physical therapy in stomatology care. He (she) analyses knowledge from medical biophysics which serve as a basic tool for application and use of functional relationships at molecular, cellular and tissue levels. Also, he (she) knows the unwanted effects of environmental factors on a human body and the homeostasis. He (she) masters biophysical principles of medical instrumentation used in diagnostic and some therapeutical methods, mainly in stomatology.	
Class syllabus: -Structure and function of cell membrane. Transport mechanisms. The resting membrane potential. -The action potential, its origin and propagation. Synapse and synaptic transmission. -Biophysical principles of muscle contraction. Skeletal, cardiac and smooth muscle. Biophysical basics of respiration. External and internal breathing, ventilation, distribution, diffusion and perfusion. - Biophysics of the circulatory system. Heart as a force pump, structure, function, power output. - Laminar and turbulent blood flow - basic laws. Blood pressure. Capillary blood flow, filtration in capillary loop, oedema. -Biomechanics of bones, the biomaterials and implants -Biophysical mechanism of sensory perception. Biophysics of vision. Biophysics of hearing. -Recording of electrical and nonelectrical biosignals. -Interaction of mechanical and meteorological factors with living systems. -Interaction of electrical and magnetic fields and nonionising radiation with living systems. -Radioactivity and ionising radiation. Detection of ionising radiation. Interaction of ionising radiation with living systems. -X-ray imaging techniques in stomatology. Imaging techniques using radionuclides. -Biophysical principles of some diagnostical and therapeutical methods in medicine. -Biocybernetics. Simulation and modelling of biological processes. Theory of information. Controlled and regulated biological systems.	

Recommended literature: Navrátil, L., Rosina, J. a kol. Medicínska biofyzika. Praha: Grada, 2005. Hrazdára, I. a kol. Biofyzika. Praha: Avicenum, 1990. 318s. Baráni, H. a kol. Návodý na praktické cvičenia z lekárskej biofyziky. Bratislava: UK, 2005. 111s. Skriptá. Kukurová, E. a kol. Biofyzikálny elixír pre študentov a absolventov medicíny. Bratislava: Palaestra, 1991. 301 s.						
Languages necessary to complete the course: Slovak language						
Notes:						
Past grade distribution Total number of evaluated students: 10						
A	ABS0	B	C	D	E	FX
60,0	0,0	20,0	10,0	0,0	0,0	10,0
Lecturers: prof. MUDr. Ján Jakuš, DrSc., doc. RNDr. Ivan Poliaček, PhD., RNDr. Michal Šimera, PhD.						
Last change: 30.10.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚLBch/J-S-ZL-005/16			Course title: Medical Chemistry for Dental Medicine			
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 45 / 30 Form of the course: on-site learning						
Number of credits: 5						
Recommended semester: 1.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 17						
A	ABS0	B	C	D	E	FX
64,71	0,0	5,88	23,53	5,88	0,0	0,0
Lecturers: prof. MUDr. Dušan Dobrota, CSc., prof. RNDr. Peter Račay, PhD.						
Last change:						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚO/J-S-ZL-031/17	Course title: Medical Ethics
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Active attendance on seminars. Two tests written successfully (min. 60%). Evaluation of subject (results of Test I. + Test II. / 2) will be according: A / 1 = 91 – 100 %; B / 1,5 = 81 – 90 %; C / 2 = 73 – 80 %; D / 2,5 = 66 – 72 %; E / 3 = 60 – 65 %; Fx = less than 60 %	
Learning outcomes: Completing the course the student obtains information about the fundamental questions of medical ethics. The student will understand the principles of medical ethics and its importance in education, practice and research in the field of medicine. Student is able to apply the knowledge to case studies, can analyze and identify dilemmas. The subject also contributes to the formation of moral attitude towards medicine, patients and to other health professions within the team cooperation.	
Class syllabus: The introduction to ethics. Ethics and morality. Moral reasoning. Ethics and Law. Introduction to medical ethics. Basic terminology of Medical ethics. Principles and rules of medical ethics. Code of medical ethics. Patients' rights. Doctor - patient relationship. Paternalism and partnership. Informed consent and the right to refuse treatment. Ethical aspects of providing information about the patient's condition. Ethics at the beginning of human life (birth control, sterilization, assisted reproduction, abortion). Basics of thanatology. Dying with dignity. Problems of euthanasia and assisted suicide. Ethical aspects of biomedical research and publications. Ethics committees.	
Recommended literature: Etické problémy v lékařství. Eds. D.C. Thomasma, T. Kushnerová. Praha : Mladá fronta, 2000. ISBN 80-204-0883-5, s. 213-223. Etický kódex zdravotníckeho pracovníka, príloha č. 4. In Zákon č. 578/2004 Z.z. Národnej rady Slovenskej republiky o poskytovateľoch zdravotnej starostlivosti, zdravotníckych pracovníkoch, stavovských organizáciách v zdravotníctve a o zmene a doplnení niektorých zákonov. Európska charta práv pacienta. Prednesená 15. novembra 2000 v Bruseli. [on-line] [cit. 2007-02-5]. Dostupné na internete: http://www.zdravie.sk/sz/72/Prava-pacientov.html . HAŠKOVCOVÁ, H. Lékařská etika. Praha : Galén, 2002. ISBN 80-7262-132-7..	

HAŠKOVCOVÁ, H. Thanatológia. Praha : Galén, 2007. ISBN 978-80-7262-471-3.
 Charta práv pacienta v Slovenskej republike. Dostupné na internete: www.health.gov.sk;
www.pravapacientov.sk
 NEMČEKOVÁ, M., ŽIAKOVÁ, K., MIŠTUNA, D. Práva pacientov : Medicínske,
 ošetrovateľské a filozoficko-etické súvislosti. Martin : Osveta, 2004. 213 s. ISBN 80-8063-162-
 X.
 Právo ženy? Štúdie o problematike interrupcií. Bratislava : Kalligram, 2004. ISBN 80-7149-612-
 X, s. 7- 21.
 Príručka lekárskej etiky. Svetová asociácia lekárov. 2008. ISBN 978-80-8095-036-1.
 PTÁČEK, R. BARTŮŇEK et al. Etika a komunikácie v medicíne. Praha : Grada, 2011. ISBN
 978-80-247-3976-2.
 Zákon č. 576/2004 Z. z. Národnej rady Slovenskej republiky o zdravotnej starostlivosti, službách
 súvisiacich s poskytovaním zdravotnej starostlivosti a o zmene a doplnení niektorých zákonov.

Languages necessary to complete the course:

Slovak language

Notes:

Past grade distribution

Total number of evaluated students: 0

A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: Mgr. Juraj Čáp, PhD.

Last change: 26.10.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.PK/J-S-ZL-026/17	Course title: Medical Psychology and Basics of Communication
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: 0	
Course requirements: active participation in practicals - permanent study check (control question), favourable results during running controls, written test, oral exam – minimal success 65 %; rating: A/1 = 93 – 100 %; B/1,5 = 86 – 92 %; C/2 = 79 – 85 %; D/2,5 = 72 – 78 %; E/3 = 65 – 71 %, Fx = less than 65 % Scale of assessment (preliminary/final): 10/90	
Learning outcomes: After completion of the subject the student has a basic knowledge in psychological aspects in medicine and stomatology aimed to psychological aspects of the disease and the sick person/patient, medical examination, treatment and health environment. Student knows characteristics and assessment of mental functions, principles of psychosomatic and somatopsychic relations. He/she has basic knowledge in specifics of verbal and nonverbal communication in medicine and stomatology.	
Class syllabus: Medical psychology – basic terms, characteristics and content of the field. Psychosomatic and psychophysiology, psychosomatic and somatopsychic relations. Psychopathogenesis. Bio-psychosocial model of disease. Mental functions – basic characteristics, methods of examination, issues of normality and pathology, behaviour and experiencing (externalizing and internalizing behavior), state and trait variables, psychopathology. Psychological aspects of the disease and the sick person/patient. Experiencing and elaboration of disease (adaptation to disease, disorder, illness). Pathopsychology. The issue of pain, types of patient 's behavior, problems of terminal states and dying. Psychological problems of medical examination, observation and interview as a diagnostic tool in medicine. Psychological diagnosis and its importance in medical practice. Psychological problems of treatment. Psychological methods of treatment, psychotherapy and its mechanisms. Psychological crisis, crisis intervention. Psychological problems of health environment, outpatient and inpatient care.	

Psychological aspects of the doctor's work and other health professionals. The issue of burnout, coping with the burden and frustrating experiences, problems of cooperation and rivalry. Medical ethics. Iatropathogenesis. Mental hygiene, prevention, specific psychohygienic problems. Verbal and nonverbal communication and its importance in medicine and stomatology. Communication with specific groups of patients. Patient noncompliance. Specifics of communication in different developmental stages. Communication with pediatric patient, geriatric patient. Communication with seriously ill and dying patients. Communication with patients with acute and non-acute mental disorder, with physical, sensory and intellectual disabilities.																				
Recommended literature: Žucha I., Čaplová T. a kol. Lekárska psychológia. Univerzita Komenského, Bratislava 2008, 208 s. Morovicsová E. a kol. Komunikácia v medicíne. Univerzita Komenského, Bratislava 2011, 212 s. Raudenská J., Javůrková A. Lékařská psychologie ve zdravotnictví. Grada, Praha 2011, 304 s. Beran J. a kol. Lékařská psychologie v praxi. Grada, Praha 2010, 144 s. Linhartová V. Praktická komunikace v medicíně. Grada, Praha 2007, 152 s.																				
Languages necessary to complete the course: slovak																				
Notes:																				
Past grade distribution Total number of evaluated students: 10 <table border="1"> <tr> <th>A</th><th>ABS0</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> <tr> <td>100,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td></tr> </table>							A	ABS0	B	C	D	E	FX	100,0	0,0	0,0	0,0	0,0	0,0	0,0
A	ABS0	B	C	D	E	FX														
100,0	0,0	0,0	0,0	0,0	0,0	0,0														
Lecturers: doc. MUDr. Igor Ondrejka, PhD., MUDr. Milena Drímalová, CSc., MUDr. PhDr. Igor Hrtánek, PhD.																				
Last change: 09.10.2017																				
Approved by: prof. MUDr. Jarmila Procházková, CSc.																				

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚMI/J-S-ZL-016/17	Course title: Microbiology for Dental Medicine (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 3 per level/semester: 45 / 45 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 4.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Medical biology for stomatology 2	
Course requirements: - it is obligatory to be present at practicals (1 absence is tolerated) - 1 test during the semester - oral presentation according the schedule End study evaluation of students is based on written test, cut off for pass is 60%. Scale of assessment (preliminary/final): 0%/100%	
Learning outcomes: The student receives information from general bacteriology, virology, parasitology and mycology, about their structure, metabolism, pathogenic potential and pathogenesis of infectious diseases, genetics and antibiotics used for the treatment as well as methods of disinfection and prevention (vaccination included). The student is trained to use principal diagnostical procedures, to understand their theoretical background, indication and interpretation. The student is able to manage the most common way of sampling of infectious material, to process it for microscopy, cultivation, identification and ATB susceptibility and tools of pathogenity testing. The student is able to continue the study that requires the basis of bacterial cell structure, metabolism, genetic and to use the gained knowledge for understanding the requirements of the next degree (microbiology 2). All themes are presented with the scope of stomatology (more details on relevant topics).	
Class syllabus: Introduction to microbiology, Structure of bacterial cell, Physiology and metabolism of bacterial cell, Genetics of bacterial cell, Antibiotics, vaccines, disinfection, .Antibiotics and resistance, Pathogenic potential of microorganisms, Pathogenesis of infection Safety in microbiological laboratory, organization of study, Microscopy, native smear, fixed smear, Staining procedures: Gram, Acid fast, Burri method, Wirtz Concklin for spores, Neisser, Albert for metachromatic granules, Cultivation, inoculation, Identification of bacteria. Cultivation media. Anaerobic bacteria cultivation. Detection of pathogenic potential of bacteria – enzymes, toxins, ATB susceptibility testing, Biofilm, oral microphlora, dental plaque microbiology.	

Recommended literature:

Votava M, Broukal Z, Vaněk J. Lékařská mikrobiologie pro zubní lékaře. Brno: Neptun 2007; 567 s.

Julák J, Pavlík E. Lékařská mikrobiologie pro zubní lékařství Praha: Karolínium, 2010. 443 s.

Bednář M a kol. Lékařská mikrobiologie. Bakteriologie, virologie, parazitologie. Praha: Marvil, 1996. 558 s.

Nováková E, Porubská A, Kompaníková J, Neuschlová M. Lekárska mikrobiológia. 2013; 110 s.

Dostupné na: <https://portal.jfmed.uniba.sk/clanky.php?aid=203>

Kompaníková J, Nováková E, Neuschlová M. Mikrobiológia nielen pre medikov. Žilina: EDIS 2013. 209 s.

Ryšková O. Praktická cvičení a semináře z lékařské mikrobiologie pro studující všeobecného a zubního lékařství. vyd. Karolínium 2010; 126 s.

Koukalová D. a kol., Praktická cvičení z lékařské mikrobiologie I. vyd. Univerzita Palackého 2013; 88 s.

Koukalová D. a kol., Praktická cvičení z lékařské mikrobiologie II. vyd. Univerzita Palackého 2011; 130 s.

Neuschlová M, Nováková E, Kompaníková J. Abeceda imunologie - terminologický slovník.

UK v Bratislave JLF UK v Martine 2016; 60 s. ISBN 978-80-8187-016-3. Dostupné na: <https://portal.jfmed.uniba.sk/clanky.php?aid=344>

Učebné texty na MEFANETe <http://portal.jfmed.uniba.sk/lekarske-discipliny.php?disid=119> a web stránke Ústavu mikrobiologie a imunologie

Nováková E. a kol. Lekárska parazitológia. Banská Bystrica: PRO, 2006. 96 s.

E. Nováková a kol. Lekárska vakcinológia nielen pre medikov. Banská Bystrica: PRO, 2007. 141 s.

Neuschlová M, Nováková E, Kompaníková J. Návod na praktické cvičenia z imunologie. UK v Bratislave JLF UK v Martine 2016; 114 s. ISBN 978-80-8187-017-0. Dostupné na: <https://portal.jfmed.uniba.sk/clanky.php?aid=348>

Greenwood D. a kol. Lékařská mikrobiologie. Praha: Grada, 1999. 686 s.

Murray PR, Rosenthal KS, Pfaller MA. Medical Microbiology Seventh Edition. Philadelphia: Elsevier Saunders 2013; pp. 874.

Murray PR, Rosenthal KS, Pfaller MA. Medical Microbiology Eighth Edition. Philadelphia: Elsevier Saunders 2016; pp. 836.

Greenwood D et al. Medical Microbiology Eighteenth Edition. Edinburgh: Elsevier Saunders 2012; pp. 778.

Harvey RA et al. Lippincott's Illustrated Review Microbiology. Lippincott Williams & Wilkins 2007, pp 438.

Languages necessary to complete the course:

slovak language

Notes:**Past grade distribution**

Total number of evaluated students: 0

A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Elena Nováková, PhD., MUDr. Jana Kompaníková, PhD., MUDr. Martina Neuschlová, PhD., MUDr. Vladimíra Sadloňová, PhD.

Last change: 20.11.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚMI/J-S-ZL-022/17	Course title: Microbiology for Dental Medicine (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Microbiology for stomatology 1	
Course requirements: - it is obligatory to be present at practicals (1 absence is tolerated) - 1 test during the semester - oral presentation according the schedule Exam: End study evaluation of students is based on written exam – test. Minimal cut off level is 60%. Scale of assessment (preliminary/final): 0%/100%	
Learning outcomes: The student receives information from specialised bacteriology, virology, parasitology and mycology, about the structure, metabolism, pathogenic potential and pathogenesis of individual microorganisms, that are ethiology of human infectious diseases, antibiotics used for the treatment as well as methods of identification. The student is trained to use principal diagnostical procedures, to understand their theoretical background, indication and interpretation. The student is able to manage the most common way of sampling of infectious materials, to process them for microscopy, cultivation, identification and ATB susceptibility and tools of pathogenity testing. The students knows most important microbial ethiology of infections of respiratory, gastrointestinal, urogenital tract, skin, soft tissues, central nervous system in different age groups including fetus, newborn, pre-school age children, children, adolescent, adult, geriatric patients, pregnant women and immunocompromised persons. The themes are presented with the scope of stomatology. More details are required in aerobic and anaerobic bacterial infections of URT, oral cavity, soft tissue and other microbial infections connected to presentation in stomatological practice.	
Class syllabus: Bacteriology G+cocci staphylococci. streptococci Bacteriology G – cocci neisseria, haemophilus Bacteriology, G- rods, enterobacteriaceae Bacteriology, G-rods, nonfermenting rods Bacteriology, G+rods, anaerobes	

Spirochetes, chlamydia, mycoplasma
 Introduction to virology
 Virology, DNA viruses, RNA viruses
 Hepatitis viruses, prions,
 HIV and oral cavity
 Medical mycology, medical parasitology
 RTI, STI, GIT and UGT infection – ethiology
 CNS, blood infection, bacterial intoxication – ethiology
 Ethiology of infections of newborn, old patient, fetus infection
 Hospital infection and opportunistic infections ethiology
 Direct and indirect diagnostical methods
 New approaches in identification of infectious ethiology
 Carriers as infection
 Microbiology of parodont and dentoalveolar infections
 Blood born infections in stomatological practice

Recommended literature:

Votava M, Broukal Z, Vaněk J. Lékařská mikrobiologie pro zubní lékaře. Brno: Neptun 2007; 567 s.
 Julák J, Pavlík E. Lékařská mikrobiologie pro zubní lékařství Praha: Karolínium, 2010. 443 s.
 Bednář M a kol. Lékařská mikrobiologie. Bakteriologie, virologie, parazitologie. Praha: Marvil, 1996. 558 s.
 Nováková E, Porubská A, Kompaníková J, Neuschlová M. Lekárska mikrobiológia. 2013; 110 s.
 Dostupné na: <https://portal.jfmed.uniba.sk/clanky.php?aid=203>
 Kompaníková J, Nováková E, Neuschlová M. Mikrobiológia nielen pre medikov. Žilina: EDIS 2013. 209 s.
 Ryšková O. Praktická cvičení a semináře z lékařské mikrobiologie pro studující všeobecného a zubního lékařství. vyd. Karolínium 2010; 126 s.
 Koukalová D. a kol., Praktická cvičení z lékařské mikrobiologie I. vyd. Univerzita Palackého 2013; 88 s.
 Koukalová D. a kol., Praktická cvičení z lékařské mikrobiologie II. vyd. Univerzita Palackého 2011; 130 s.
 Neuschlová M, Nováková E, Kompaníková J. Abeceda imunologie - terminologický slovník. UK v Bratislave JLF UK v Martine 2016; 60 s. ISBN 978-80-8187-016-3. Dostupné na: <https://portal.jfmed.uniba.sk/clanky.php?aid=344>
 Učebné texty na MEFANETe <http://portal.jfmed.uniba.sk/lekarske-discipliny.php?disid=119>
 a web stránke Ústavu mikrobiologie a imunologie
 Nováková E. a kol. Lekárska parazitológia. Banská Bystrica: PRO, 2006. 96 s.
 E. Nováková a kol. Lekárska vakcinológia nielen pre medikov. Banská Bystrica: PRO, 2007. 141 s.
 Neuschlová M, Nováková E, Kompaníková J. Návod na praktické cvičenia z imunologie. UK v Bratislave JLF UK v Martine 2016; 114 s. ISBN 978-80-8187-017-0. Dostupné na: <https://portal.jfmed.uniba.sk/clanky.php?aid=348>
 Greenwood D. a kol. Lékařská mikrobiologie. Praha: Grada, 1999. 686 s.
 Murray PR, Rosenthal KS, Pfaller MA. Medical Microbiology Seventh Edition. Philadelphia: Elsevier Saunders 2013; pp. 874.
 Murray PR, Rosenthal KS, Pfaller MA. Medical Microbiology Eighth Edition. Philadelphia: Elsevier Saunders 2016; pp. 836.
 Greenwood D et al. Medical Microbiology Eighteenth Edition. Edinburgh: Elsevier Saunders 2012; pp. 778.

Harvey RA et al. Lippincott's Illustrated Review Microbiology. Lippincot Williams & Wilkins 2007, pp 438.

Languages necessary to complete the course:

slovak language

Notes:

Past grade distribution

Total number of evaluated students: 10

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Elena Nováková, PhD.

Last change: 20.11.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.NIK/2-JZL-047/15	Course title: Neurology
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 7.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Oral examination. Evaluation: A, B, C, D, E and Fx	
Learning outcomes: After completion of the subject the student understands basic information about Neurology, about basic examination principles and the ways of the patients examination with focus on orofacial region. Student is able to apply knowledge from the neuroanatomy and physiology of the peripheral and central nervous system. Student will be informed about the way of examination of the particular neurology systems. Student has overview, basic knowledge and principles of the correct indication of the ancillary diagnostic methods in neurology. Student is able to do individual patient examination, basic analysis of the pathological findings, correct syndrome identification and supposed pathology localization. Completion of the subject forms general basic clinical skills.	
Class syllabus: Anamnesis. Cranial nerves I-XII. Periferal facial nerve palsy. Central and peripheral type of the palsy. Movement disorders. Cerebellar and vestibular syndromes. Speech and speech disorders. Meningeal syndrome. CSF. Stroke. Subarachnoidal hemorrhage. Cerebral veins and sinuses thrombosis. Tumors. Craniotraumias. Epilepsy. Demyelination disorders. Dementia. CNS infections. Neuromuscular disorders.	
Recommended literature: Ambler, Z. a kol. Klinická neurologie: Část obecná. Praha: Triton, 2008. 976 s. ISBN 978-80-7387-157-4 Ambler, Z. a kol. Klinická neurologie: Část speciální I. Praha: Triton, 2010. 707 s. ISBN 978-80-7387-389-9 Ambler, Z. a kol. Klinická neurologie: Část speciální II. Praha: Triton, 2010. 711 – 1277 s. ISBN 978-80-7387-389-9 Varsik, P., Černáček, J. Neurológia I. Základy vyšetrovania. Bratislava: Lufema, 1997. 648 s. ISBN 80-9686-630-3 Varsik, P. a kol. Neurológia II. Patogenéza a klinika nervových chorôb. Bratislava: Lufema, 1999. 651 s. ISBN 80-967991-6-9 Ambler, Z. Neurologie pro studenty lékařské fakulty. Praha: Karolinum,	

2000. 399 s. ISBN 80-246-0080-3 Mumenthaler, M. Mattle, H. Neurologie. Praha: Grada, 2001. 649 s. ISBN 80-7169-545-9 Varsik, P. a kol. Repetitóriium špeciálnej neurológie. Bratislava: S+S, 2003. 376 s. ISBN 80-968663-4-6 Ambler, Z. Základy neurologie. Praha: Galén, 2011. 351 s. Nevšimalová, S. Neurologie. Praha: Galén, 2002. 367 s. ISBN 80-7262-160-2 Maršala, J. Systematická a funkčná neuroanatómia. Martin: Vyd. Osveta, 1985. 782 s Černáček, J. Neurologická propedeutika. Bratislava: VEDA, 1976. 537 s Bartko, D., Drobný, M. Neurológia. Učebnica pre lekárske fakulty. Martin: Vydavateľstvo Osveta, 1991. 709 s. ISBN 80-2170-305-9						
Languages necessary to complete the course: slovak language						
Notes:						
Past grade distribution Total number of evaluated students: 25						
A	ABS0	B	C	D	E	FX
88,0	0,0	12,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Egon Kurča, PhD., FESO, doc. MUDr. Vladimír Nosál', PhD., doc. MUDr. Štefan Sivák, PhD., doc. MUDr. Ema Kantorová, PhD., MUDr. Monika Turčanová Koprušáková, PhD.						
Last change: 15.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.OK/2-JZL-059/15		Course title: Ophthalmology				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 8.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
87,5	0,0	12,5	0,0	0,0	0,0	0,0
Lecturers: MUDr. Peter Žiak, PhD., MUDr. Juraj Halička, PhD.						
Last change:						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-076/16	Course title: Orthodontics (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 30 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III; Dental Prosthetics I, II, III; Dentoalveolar and Maxillofacial Surgery I, II	
Course requirements: Attendance 100 % Consecutive Evaluation- test Individual work Scale of assessment (preliminary/final): Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80% Individual work: practical tasks accomplished in the patient's oral cavity Rate in the final evaluation: 20%	
Learning outcomes: Students acquire basic information about the problematics of maxillary orthodontic anomalies. They make themselves familiar with causes of occurrence, classification systems and diagnostic actions. Students understand the actions of analysis of cephalometric images. They are capable of setting the complex treatment plan. Students are able to make use of the acquired theoretical knowledge in performance in patient's oral cavity.	
Class syllabus: Ontogenetic development of the Orofacial System. Morphology and Function of the Dentice. Features of Standard Dentice. Eugnathia and Disgnathia. Causes of Orthodontic Anomalies. Developmental Aberrances of the Teeth, Dental Arches and Intermaxillary Relations. Classification System in Diagnostics of Anomalies. Angle Classification System. Normo-occlusion, Retro-occlusion, Proper Progeny, Forced Progenic Occlusion. Diagnostic Examination in Orthodontics, Documentation. Basics of Analysis of Cephalometric Image. Possibilities of Treatment of Anomalies.	

General Principles of Therapeutic Extraction in Orthodontics.						
Recommended literature: Andrik, P. a kol.: Čeľustná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s. Andrik, P. a kol.: Čeľustná ortopédia. 2., dopl. vyd. Martin: Osveta, 1976. 344 s. Bachratý, A., Bachratá, E., Suchancová, B.: Čeľustná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0. In: Ležovič, J., Ďurovič, E., Javorka, V. a kol.: Detské zubné lekárstvo. Banská Bystrica: DALI-BB, 2005. 392 s. ISBN 978-80-89090-41-9. Kamínek, M., Štefková, M.: Ortodoncie. I. □ II. Olomouc: Univerzita Palackého, 2001. Kamínek, M.: Současné fixní ortodontické aparáty. Praha: Avicenum, 1976. Williams, S.: Úvod do ortodontickej liečby fixnými aparátmi vo všeobecnej praxi, s. 214–299.						
Languages necessary to complete the course: english						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH						
Last change: 08.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-084/16	Course title: Orthodontics (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III, IV; Dental Prosthetics I, II, III, IV; Dentoalveolar and Maxillofacial Surgery I, II, III; Periodontics I ; Pediatric Dentistry I; Orthodontics I	
Course requirements: Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Practical Exam - individual work: prescribed practical tasks accomplished in the patient's oral cavity Scale of assessment (preliminary/final): Final Evaluation in form of theoretical oral exam. Rate in final evaluation: 80% Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Practical Exam - individual work: prescribed practical tasks accomplished in the patient's oral cavity Rate in the final evaluation: 20%	
Learning outcomes: Students gain complex information about diagnostics of maxillary orthodontics anomalies. Within the anomaly diagnostics, they are capable of analysis of a model, cephalometric examination, and clinical examination of a patient. They understand the principles of therapy and manage the problematics of removable and fixed orthodontic appliances . Students make themselves familiar with construction and anchorage elements of these appliances . Students acquire complex picture of diagnostics, treatment and rehabilitation of patients affected by orthodontic anomalies. They also understand the principles of interdisciplinary cooperation. Students are able to make use of the acquired theoretical knowledge in performance in patient's oral cavity.	
Class syllabus: Brief syllabus: Development of Deciduous Dentice. Mixed Dentice and Its Change for Permanent Dentice. Dental and Skeletal Age. Occlusion Diagnostics. Complex orthodontic Examination.	

Cephalometric Examination.
 Angle's and Biogenetic Classification, Analysis of Models.
 Compressions, Crossbite Occlusions.
 Progenial, Overbite and Openbite Occlusions.
 Orthodontics Therapy Generally, Basic Types of Orthodontic Appliances.
 Fixed and Removable Orthodontic Appliances, Indications, Contraindications.
 Removable Orthodontic Appliances, Indications, Construction Elements.
 Materials Used in Orthodontics.
 Indications of the Fixed Orthodontic Appliances, Particular Elements and Principles of Application
 Construction Elements of Fixed Orthodontic Appliances, Extraoral Traction, Fixed Orthodontic
 Appliances for Partial Operation, Partial Arches, Anchorage of Fixed Orthodontic Appliances.
 Importance of Retention Phase.
 Therapeutic Extraction in Orthodontics.
 Interdisciplinary Cooperation with Other Branches of dentistry in Complex Rehabilitation of a
 Patient.

Recommended literature:

Andrik, P. a kol.: Čeľustná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s.
 Andrik, P. a kol.: Čeľustná ortopédia. 2., dopl. vyd. Martin: Osveta, 1976. 344 s.
 Bachratý, A., Bachratá, L., Suchancová, B.: Čeľustná ortopédia. 4., uprav. vyd. Bratislava:
 Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.
 In: Ležovič, J., Ďurovič, E., Javorka, V. a kol.: Detské zubné lekárstvo. Banská Bystrica: DALI-
 BB, 2005. 392 s. ISBN 978-80-89090-41-9.
 Kamínek, M., Štefková, M.: Ortodoncie. I. □ II. Olomouc: Univerzita Palackého, 2001.
 Kamínek, M.: Současné fixní ortodontické aparáty. Praha: Avicenum, 1976.
 Williams, S.: Úvod do ortodontickej liečby fixnými aparátmi vo všeobecnej praxi, s. 214–299.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 7

A	ABS0	B	C	D	E	FX
71,43	0,0	14,29	14,29	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Stáelová, CSc., MUDr. Mária Janíčková, PhD., MPH

Last change: 12.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.KSMCh/2-JZL-090/17		Course title: Orthodontics (3)				
Educational activities: Type of activities: practicals Number of hours: per week: 10,66 per level/semester: 159,9 Form of the course: on-site learning						
Number of credits: 6						
Recommended semester: 11., 12..						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature: Andrik, P. a kol.: Čelústná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s. Andrik, P. a kol.: Čelústná ortopédia. 2., dopl. vyd. Martin: Osveta, 1976. 344 s. Bachratý, A., Bachratá, L., Suchancová, B.: Čelústná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0. In: Ležovič, J., Ďurovič, E., Javorka, V. a kol.: Detské zubné lekárstvo. Banská Bystrica: DALI-BB, 2005. 392 s. ISBN 978-80-89090-41-9. Kamínek, M., Štefková, M.: Ortodoncie. I. □ II. Olomouc: Univerzita Palackého, 2001. Kamínek, M.: Současné fixní ortodontické aparáty. Praha: Avicenum, 1976. Williams, S.: Úvod do ortodontickej liečby fixnými aparátmi vo všeobecnej praxi, s. 214–299.						
Languages necessary to complete the course: slovak/english						
Notes:						
Past grade distribution Total number of evaluated students: 7						
A	ABS0	B	C	D	E	FX
85,71	0,0	14,29	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH						
Last change: 12.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-SS6/17	Course title: Orthopaedic Dental Medicine
Number of credits: 5	
Educational level: I.II.	
Recommended prerequisites: J-S-ZL-018 Materials and Technologies in Dentistry 1, J-S-ZL-042 Propedeutics of Dentistry 4, J-S-ZL-094Dental Prosthodontics 6; J-S-ZL-090Orthodontics 3.	
Course requirements: The final assessment of the students takes the form of a practical state examination and a theoretical oral examination. The part of the practical state exam on the total is 20%. The part of the theoretical oral examination in the overall assessment is 80%. Separate practical work (one of the following exercises): making of occlusion templates, making of prints and models for removable prosthetics, registration of inter-jaw relationships, modeling of the root extension, paralelmetric model analysis, drawing of anchor elements, making of prints for fixed prosthetics, fixing of models to the articulator according to occlusion prints, rub-down crown of teeth for fixed prosthetics. Completed cases in a patient's oral cavity within a fixed prosthetics. Completed cases in the patient's oral cavity within partial removable prosthetics. Clinical examination of patients with jaw orthopedic anomalies, model analysis, cephalometric examination. Determination of the therapeutic procedure, indication of all types of orthodontic apparatus. Scale of assessment (preliminary/final): The final assessment of the students takes the form of a practical state examination and a theoretical oral examination. The part of the practical state exam on the total is 20%. The part of the theoretical oral examination in the overall assessment is 80%. Separate practical work (one of the following exercises): making of occlusion templates, making of prints and models for removable prosthetics, registration of inter-jaw relationships, modeling of the root extension, paralelmetric model analysis, drawing of anchor elements, making of prints for fixed prosthetics, fixing of models to the articulator according to occlusion prints, rub-down crown of teeth for fixed prosthetics. Completed cases in a patient's oral cavity within a fixed prosthetics. Completed cases in the patient's oral cavity within partial removable prosthetics. Clinical examination of patients with jaw orthopedic anomalies, model analysis, cephalometric examination. Determination of the therapeutic procedure, indication of all types of orthodontic apparatus.	
Learning outcomes: Graduate of the subject acquires basic knowledge about classification of prosthetic defects of dentition. They are familiar with direct and indirect procedures in dental prosthetics. It will be improved in the printing technique. It is possible to analyze prosthetic defects and determine the basic prosthetic plan of the solution. Understand the principles of preparation of hard tooth tissues in making fixed replacements. Understand the working procedures for making fixed crown replacements and fixed bridges. Understand the problem of transmission of chewing forces through partial removable replacements. They are familiar with methods of preparing oral structures for partial removable replacements. Understand the issue of chest force transmission through total removable replacements and the resulting possible complications. They are familiar with	

methods of preparing oral structures for total removable replacements. Understands the principle of determining inter-jaw relationships and manages all registration techniques. Graduate of the subject acquires basic knowledge about the use of modern procedures and materials in dental prosthetics. Understand issues of indications, contraindications and complications of dental implants. They are familiar with possible prosthetic solutions in implantology.

Graduate of the subject acquires comprehensive information on the classification and diagnosis of jaw orthopedic anomalies. Within anomaly diagnostics they are able to handle model analysis, cephalometric examination and clinical examination of the patient. Understands the principles of treatment, he can handle the problem of removable and fixed orthodontic apparatuses. They are familiar with their design and anchoring elements. By passing the subject, the student obtains a comprehensive view of the diagnosis, treatment and rehabilitation of the patient with maxilla-orthodontics anomalies and understands the principle of interdisciplinary cooperation.

Class syllabus:

Morphological and functional examination of the patient within dental prosthetics.

Division status of defective teeth.

Classification of dental defects, biological factor, biological mechanism of transmission of chewing forces.

Indications of prosthetic treatment.

Fixed prosthetics, definitions, basic concepts, general preparation principles, types of preparations.

Crowns, types, indications, printing techniques.

Veneers crowns, indications and work process characteristics. Semi-crowns, indications, types, preparation.

Pivot of anchored crowns (indications, types, working procedure).

Richmond Pivot Crowns (Indications, Work process).

Pivot superstructures.

Practical design of the pivot superstructure, the crown and the fixed bridge.

New alternatives to making fixed prosthetics.

Removable replacements (general characteristics).

Classification of structural elements.

Partial removable replacements with dental, dental-mucous and mucosal transfer of chewing pressures, oral procedure and dental laboratory.

Removable bridges (indications, design elements).

Most common cases and solutions with removable bridges. Work procedure for making total removable replacements in the oral cavity and in the dental laboratory.

Particularities of prosthetic dentition in children, indications of individual types of substitutions, indications, contraindications and complications.

Use of modern procedures and materials in prosthetic treatment.

Implants: development, principles, prosthetic indications, working procedures, selection of materials.

Artificial devices and their practical use in prosthetic treatment and assessment of changes in periodontal tissues.

Defective function of the temporomandibular joint, etiology, diagnosis and treatment, importance of differential diagnosis in the treatment of facial pain.

Metal-ceramic materials- the structure of materials, their processing and rational procedures in metal-ceramic materials.

Non-metallic materials, pressed ceramics, structure of materials, their processing and rational processes in non-metallic ceramic materials.

Eugenics and Disgnosis.

The causes of maxilla-orthodontic anomalies.

Developmental deviations of teeth, dental arches, and inter-maxillas relationships.
 Classification systems for diagnosing anomalies.
 Dental and skeletal age.
 Occlusion diagnostic.
 Complex of maxilla-orthodontic examination.
 Cephalometrics examination.
 Maxilla-orthodontic therapy in general, basic types of jaw-orthodontic apparatus.
 Fixed and removable orthodontic appliances, indications, contraindications.
 Removable orthodontic appliances, indication, design elements.
 Structural elements of fixed devices, extraoral traction, fixed devices for partial operations, partial arches, fixation of fixed apparatuses.
 Neural orthopedic anomalies of distinct character: diastoses, anomalies of the number of teeth, position and size of teeth, compression, crossbite.
 TMJ disturbances, elevation.
 Model analysis, symmetroscope, Moyers index, segmental analysis.
 Cephalometrics.
 Clefts- their orthodontic treatment.

State exam syllabus:

Recommended literature:

Dental Prosthodontics:

Ahmad, I.: Estetika v protetice: postupy propředvídatelné výsledky. Praha: Quintessenz, 2008. 229 s. ISBN 978-80-86979-06-9.

Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983. 222 s.

Andrik, P.: Stomatoprotetické terapeutické riešenie. Martin: Osveta, 1986. 170 s.

Bachratý, A., Bachratá, L., Suchancová, B.: Čelústná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.

Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X.

Bucking, W.: Dentální typy a triky. Praha: Quintessenz, 2007. 284 s. ISBN 80-86979-01-6.

Dostálová, T.: Fixní a snímatelná protetika. Praha: Grada, 2004. 220 s. ISBN 80-247-0655-5.

Heinenberg, B. J.: Modifikované Marylandskémůstky. Praha: Quintessenz, 1994. 132 s. ISBN 80-901024-3-3.

Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubnímlékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9.

Lamb, D.: Celková náhrada: moderní postupy přiošetření pacienta. Praha: Quintessenz, 1995. 145 s. ISBN 80-901024-7-6.

Norton, M.: Implantáty vestomatologii. Praha: Quintessenz, 1996. 124 s. ISBN 80-902118-1-X.

Preiskel, H. W.: Zásuvné spoje v klinické praxi. Praha: Quintessenz, 1995. 170 s. ISBN 80-901024-5-X.

Roulet, H.: Adhezivní keramické inlaye v laterálním úseku chrupu. Praha: Quintessenz, 1995. 96 s. ISBN 80-901024-6-8.

Tvrdoň, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7.

Tvrdoň, M., Čech, I., Sokolová, T.: Atlas of Prosthodontic Treatment. Bratislava: Science, 2004. 380 s.

Orthodontics:

Andrik, P. a kol.: Čelústná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s.

Andrik, P. a kol.: Čelústná ortopédia. 2., dopl. vyd. Martin: Osveta, 1976. 344 s.

Bachratý, A., Bachratá, L., Suchancová, B.: Čelústná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.
 In: Ležovič, J., Ďurovič, E., Javorka, V. a kol.: Detské zubné lekárstvo. Banská Bystrica: DALI-BB, 2005. 392 s. ISBN 978-80-89090-41-9.
 Kamínek, M., Štefková, M.: Ortodoncie. I. □ II. Olomouc: Univerzita Palackého, 2001.
 Kamínek, M.: Současné fixní ortodontické aparáty. Praha: Avicenum, 1976.
 Williams, S.: Úvod do ortodontickej liečby fixnými aparátmi vo všeobecnej praxi, s. 214–299.

Languages necessary to complete the course:

slovak/english

Last change: 15.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.KORL/2-JZL-060/15			Course title: Otorhinolaryngology			
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 8.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
93,75	0,0	0,0	6,25	0,0	0,0	0,0
Lecturers: prof. MUDr. Andrej Hajtman, PhD., doc. MUDr. Vladimír Čalkovský, PhD.						
Last change: 20.09.2016						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.KSMCh/2-JZL-074/16		Course title: Parontology (1)				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 30 / 15 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 9.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature: Ďurovič, E., Vodrážka, J., Ďurovičová, J., Vincze, K.: Choroby slizníc ústnej dutiny. Prešov: Vydavateľstvo Michala Vaška, 2005. 367 s. ISBN 80-7265-506. Hellwig, E., Klimek, J., Attin, T.: Záchovná stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4. Jenča, A., Ďurovič, E., Javorka, V., Vodrážka, J.: Atlas chorôb ústnej dutiny a orofaciálnej oblasti. I. diel. Prešov: Vydavateľstvo Michala Vaška, 2007. 197 s. ISBN 978-80-7165-665-4. Kovaľová, E. a kol.: Orálna hygiena 2 a 3. Prešov: Pavol Šidelský □ Akcent print Zúrrich, 2010. 667 s. ISBN 978-80-89295-24-1. Kovaľová, E. a kol.: Orálna hygiena 4. Prešov: Prešovská Univerzita, 2012. 334 s. ISBN 978-80-555-0567-1. Kovaľová, E., Čierny, M.: Orálna hygiena 1. Prešov: Pavol Šidelský □ Akcent print Zúrrich, 2006. 308 s. ISBN 80-969419-3-3. Mutschelknauss, R. E.: Praktická parodontologie: klinické postupy. Praha: Quintessenz, 2002. 532 s. ISBN 80-902118-8-7. Slezák, R., Dřížhal, I.: Atlas chorôb ústní sliznice. Praha: Quintessenz, 2004. 336 s. ISBN 80-903181-5-0.						
Languages necessary to complete the course: slovak/english						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH
Last change: 11.12.2017
Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-083/16	Course title: Parontology (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I, II; Conservative Dentistry, Endodontics I, II, III, IV; Dental Prosthetics I, II, III, IV; Dentoalveolar and Maxillofacial Surgery I, II, III; Orthodontics I; Periodontics I; Pediatric dentistry I	
Course requirements: Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Practical Exam - individual work Rate in the final evaluation: 20% Scale of assessment (preliminary/final): Final Evaluation in form of theoretical oral exam. Rate in final evaluation: 80%Consecutive Evaluation- test: minimum to pass: 65%Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less.Practical Exam - individual work: prescribed practical tasks accomplished in the patient's oral cavityRate in the final evaluation: 20%	
Learning outcomes: Students learn the classification of periodontopathies and understand diagnostic principles. Students are able of setting the diagnostic indices. They manage the analysis of periodontium and differentiation between diseased and healthy periodontium. Students understand the principles of surgical treatment of periodontopathies. They gain practical skills in performance of various surgical methods of therapy. They improve in basic steps of conservtaive treatment of periodontopathies. Students are able to make use of the acquired theoretical knowledge in practical work with patients in dental practice and in operation suite.	
Class syllabus: Classification Systems of Periodontal Diseases According to WHO, AAP and EAP. Setting the Complex Therapeutical Plan. Surgical treatment; Indications and Contraindications. Classification of Surgical Methods – Primary, Secondary and Tertiary Methods of Treatment. Management of Post-surgery Treatment Care. Local and Global Medicamentous Treatment of Periodontal Diseases.	

Mechanotherapy. Traumatic Occlusion – Diagnostics, Principles of Articulation Adjustment. Principles and Indications of Prosthetic Treatment in Patients with Diseased Periodontium .																				
Recommended literature: Ďurovič, E., Vodrážka, J., Ďurovičová, J., Vincze, K.: Choroby slizníc ústnej dutiny. Prešov: Vydavateľstvo Michala Vaška, 2005. 367 s. ISBN 80-7265-506. Hellwig, E., Klimek, J., Attin, T.: Záchovní stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4. Jenča, A., Ďurovič, E., Javorka, V., Vodrážka, J.: Atlas chorôb ústnej dutiny a orofaciálnej oblasti. I. diel. Prešov: Vydavateľstvo Michala Vaška, 2007. 197 s. ISBN 978-80-7165-665-4. Kovaľová, E. a kol.: Orálna hygiena 2 a 3. Prešov: Pavol Šidelský □ Akcent print Zúrrich, 2010. 667 s. ISBN 978-80-89295-24-1. Kovaľová, E. a kol.: Orálna hygiena 4. Prešov: Prešovská Univerzita, 2012. 334 s. ISBN 978-80-555-0567-1. Kovaľová, E., Čierny, M.: Orálna hygiena 1. Prešov: Pavol Šidelský □ Akcent print Zúrrich, 2006. 308 s. ISBN 80-969419-3-3. Mutschelknauss, R. E.: Praktická parodontologie: klinické postupy. Praha: Quintessenz, 2002. 532 s. ISBN 80-902118-8-7. Slezák, R., Dřížhal, I.: Atlas chorob ústní sliznice. Praha: Quintessenz, 2004. 336 s. ISBN 80-903181-5-0.																				
Languages necessary to complete the course: slovak/english																				
Notes:																				
Past grade distribution Total number of evaluated students: 7 <table border="1"> <thead> <tr> <th>A</th><th>ABS0</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>100,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td></tr> </tbody> </table>							A	ABS0	B	C	D	E	FX	100,0	0,0	0,0	0,0	0,0	0,0	0,0
A	ABS0	B	C	D	E	FX														
100,0	0,0	0,0	0,0	0,0	0,0	0,0														
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH																				
Last change: 12.12.2017																				
Approved by: prof. MUDr. Jarmila Procházková, CSc.																				

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-091/17	Course title: Parontology (3)
Educational activities: Type of activities: practicals Number of hours: per week: 10,66 per level/semester: 159,9 Form of the course: on-site learning	
Number of credits: 6	
Recommended semester: 11., 12..	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III, IV; Dental Prosthetics I, II, III, IV; Dentoalveolar and Maxillofacial Surgery I, II, III; Orthodontics II; Periodontics II; Pediatric dentistry II	
Course requirements: Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Rate in final evaluation: 80% Practical Exam Rate in the final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80% Practical Exam - individual work: prescribed practical tasks accomplished in the patient's oral cavity Rate in the final evaluation: 20% Final Evaluation: State Exam (12th semester)	
Learning outcomes: Students gain complex information about the etiopathogenesis of diseases of mucosa in oral cavity. They understand the principles of therapy in risk patients. They become able of analysing the pathological condition of mucosa in pregnancy. They familiarise with the manifestation of HIV Infection in oromaxillofacial region. Students understand the problematics of white-surfaces occurrence in oral cavity. They gain practical experience in diagnostics, dispensarisation and treatment of keratotic and non keratotic white lesions in the oral cavity. Students acquire complex picture of problematics of periodontal treatment including conservative and surgical methods, prosthetic treatment of dentice with weakened periodontium, usage of the controlled bone regeneration and implants. Students are able to make use of the acquired theoretical knowledge in practical work with patients in dental practice and in operation suite.	
Class syllabus: Etiopathogenesis of Diseases of Mucosa in Oral Cavity.	

Bacterial and Viral Stomatitis. Keratotic and Non Keratotic White Lesions, Precancerous Conditions in Oral Cavity. Principles of Treatment in Risk Patients and Patients Requiring Special Care: Etiopatogenesis, Clinical Picture, Ways of Treatment and Recall System Importance (diabetes mellitus, cardiovascular disease, patients on immunosuppressive medication, patients with transplanted organs, oncological patients). Changes in Tissues of Oral Cavity in Pregnancy, Inevitable Quality of Oral Hygiene Before and In Pregnancy, Focal Infection Risk for Fetus in Pregnancy, Risks of Treatment in Oral Cavity in Pregnancy. Manifestations of HIV-Infection in Orofacial Region, Diagnostics, Differential Diagnostics. Specific Inflammations and Their Manifestations in Oral Cavity, Therapy and Principles of Treatment. Use of Implants, Controlled Tissue Regeneration and Transplantation Therapies in Treatment of Periodontopathies.																				
Recommended literature: Ďurovič, E., Vodrážka, J., Ďurovičová, J., Vincze, K.: Choroby slizníc ústnej dutiny. Prešov: Vydavateľstvo Michala Vaška, 2005. 367 s. ISBN 80-7265-506. Hellwig, E., Klimek, J., Attin, T.: Záchovní stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4. Jenča, A., Ďurovič, E., Javorka, V., Vodrážka, J.: Atlas chorôb ústnej dutiny a orofaciálnej oblasti. I. diel. Prešov: Vydavateľstvo Michala Vaška, 2007. 197 s. ISBN 978-80-7165-665-4. Kovaľová, E. a kol.: Orálna hygiena 2 a 3. Prešov: Pavol Šidelský □ Akcent print Zúrrich, 2010. 667 s. ISBN 978-80-89295-24-1. Kovaľová, E. a kol.: Orálna hygiena 4. Prešov: Prešovská Univerzita, 2012. 334 s. ISBN 978-80-555-0567-1. Kovaľová, E., Čierny, M.: Orálna hygiena 1. Prešov: Pavol Šidelský □ Akcent print Zúrrich, 2006. 308 s. ISBN 80-969419-3-3. Mutschelknauss, R. E.: Praktická parodontologie: klinické postupy. Praha: Quintessenz, 2002. 532 s. ISBN 80-902118-8-7. Slezák, R., Dřížhal, I.: Atlas chorôb ústní sliznice. Praha: Quintessenz, 2004. 336 s. ISBN 80-903181-5-0.																				
Languages necessary to complete the course: slovak/english																				
Notes:																				
Past grade distribution Total number of evaluated students: 7 <table border="1"> <thead> <tr> <th>A</th><th>ABS0</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>100,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td></tr> </tbody> </table>							A	ABS0	B	C	D	E	FX	100,0	0,0	0,0	0,0	0,0	0,0	0,0
A	ABS0	B	C	D	E	FX														
100,0	0,0	0,0	0,0	0,0	0,0	0,0														
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH																				
Last change: 12.12.2017																				
Approved by: prof. MUDr. Jarmila Procházková, CSc.																				

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚPA/J-S-ZL-028/17	Course title: Pathological Anatomy for Dental Medicine (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 45 / 30 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Anatomy 3, Histology and Embryology 2	
Course requirements: Test Scale of assessment (preliminary/final): Credit Test	
Learning outcomes:	
Class syllabus: Organisation of the lectures. Introduction to pathological anatomy. Postmortem changes, necrosis, apoptosis. Dystrophy, atrophy. Progressive changes: adaptation of tissues and organs. Pigments, crystals, concretions. Circulatory disorders. Nonspecific inflammation. Immunopathological processes. Specific inflammation. Environmental pathology. General oncology. Epithelial tumors. Mesenchymal tumors	
Recommended literature: Zaviačič M. a spol.: Kompendium patológie. 1. a 2. diel. Bratislava, UK 2002, 843 s. Underwood J.C.E.: General and systematic pathology. Edinburgh, Churchill Livingstone 2000, 833 s. Brozman M., Ondruš B.: Úvod do histopatológie. Martin, Osveta 1976. 671 s. Milikowski C., Berman I.: Color atlas of basic histopathology. Appleton and Lange, Stamford 1997, 615 s. Damjanov I., Linder J. Pathology. A Color Atlas. Mosby, 2000. Brychtová S-, Hlobilková A.: Histopatologický atlas. Grada 2008. http://www.e-atlas.sk a ostatné internetové stránky Brad W. Neville, Douglas D. Damm, Carl M. Allen, MSD and Jerry Bouquot: Oral and Maxillofacial Pathology, 3rd Edition, Saunders, 2009 Marx, Robert E. and Stern, Diane, Oral and Maxillofacial Pathology: A Rationale for Diagnosis and Treatment, Second Edition, Volume I, Volume II Lester D. R. Thompson MD, Head and Neck Pathology, Saunders, 2012	
Languages necessary to complete the course: In Slovak	

Notes:						
Past grade distribution						
Total number of evaluated students: 10						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Katarína Adamicová, PhD., prof. MUDr. Lukáš Plank, CSc.						
Last change: 30.11.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚPA/J-S-ZL-037/17	Course title: Pathological Anatomy for Dental Medicine (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 45 / 30 Form of the course: on-site learning	
Number of credits: 6	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Pathological Anatomy 1	
Course requirements: I. to absolve succesfully at least 13 of 14 practical lectures/seminars. Student has to appologize the absence immediatelly and personally. Appologized absences (more than 1) require to absolve given practicum in the last compensatory 15th week of the SS, II. successful completing of the central test at the level of at least 12 of 20 available points (i.e. 60%) a III. successful completing of all 6 „small“ tests at the level of at least 18 of 30 available points (i.e. 60%). Scale of assessment (preliminary/final): Credit Test	
Learning outcomes:	
Class syllabus: Pathology of the respiratory system. Pathology of the hearth and blood vessels. Pathology of blood, the lymphatic system and the spleen. Oral pathology – pathology of the oral cavity. Oral pathology – pathology of teeths. Oral pathology – pathology of salivary glands. Oral pathology – head and neck tumors. Pathology of the GIT. Pathology of the urinary system. Pathology of the reproductive system. Pathology of the skin and mucous membrane. Pathology of the CNS and peripheral nerves. Pathology of the endocrine system. Pathology of the musculoskeletal system and soft tissues.	
Recommended literature: Zaviačič M. a spol.: Kompendium patológie. 1. a 2. diel. Bratislava, UK 2002, 843 s. Underwood J.C.E.: General and systematic pathology. Edinbrough, Churchill Livingstone 2000, 833 s. Brozman M., Ondruš B.: Úvod do histopatológie. Martin, Osveta 1976. 671 s. Milikowski C., Berman I.: Color atlas of basic histopathology. Appleton and Lange, Stamford 1997, 615 s. Damjanov I., Linder J. Pathology. A Color Atlas. Mosby, 2000. Brychtová S-, Hlobilková A.: Histopatologický atlas. Grada 2008. http://www.e-atlas.sk a ostatné internetové stránky Brad W. Neville, Douglas D. Damm, Carl M. Allen, MSD and Jerry Bouquot:	

Oral and Maxillofacial Pathology, 3rd Edition, Saunders, 2009 Marx, Robert E. and Stern, Diane , Oral and Maxillofacial Pathology: A Rationale for Diagnosis and Treatment, Second Edition, Volume I, Volume II Lester D. R. Thompson MD, Head and Neck Pathology, Saunders, 2012						
Languages necessary to complete the course: In Slovak						
Notes:						
Past grade distribution Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Katarína Adamicová, PhD., prof. MUDr. Lukáš Plank, CSc.						
Last change: 30.11.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚPF/J-S-ZL-029/17	Course title: Pathological Physiology for Dental Medicine (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Physiology for dentistry 2	
Course requirements: Evaluation of students is performed in form of two semestral reports. Minimal percentage necessary for passing the subject with success is 74%. Assessment scale is: A: 96-100%, B: 90-95%, C: 85-89%, D: 79-84%, E: 74-78%, FX: 73% and less. Scale of assessment (preliminary/final): -	
Learning outcomes: After completion of the subject student understand mechanisms involved in the onset, development and termination of pathological processes related to homeostasis disorders, changes of body reactivity, development and complications of diabetes mellitus and cerebral ischemia. The knowledge obtained at seminars and practical sessions and by individual study will be able to apply in the analysis of health problems of the patients with disturbances of homeostasis, immunity, thermoregulation, systemic inflammatory response, pain, circulatory shock and disturbances of consciousness. A graduate of the subject can identify the essential and the most important pathomechanisms of the above mentioned diseases processes.	
Class syllabus: Introduction to the study of pathological physiology, health and disease; pathophysiology of aging and terminal stages. General etiopathogenesis of diseases, noxae; mechanisms of air pollution to the organism. Importance of organism reactivity changes in disease pathogenesis, stress and its importance in pathogenesis of diseases. Pathophysiology of immunity. Pathophysiology of thermoregulation. Homeostasis disorders – disorders of composition and volume of body fluids, acid-base balance disorders. Pathophysiology of pain. Pathophysiology of nutrition. Pathophysiology of diabetes mellitus - pathomechanisms responsible for the onset, manifestation, pathomechanisms involved in the development of acute and chronic complications.	

Systemic inflammatory response of the organism. Pathophysiology of circulatory shock. Pathophysiology of cerebral ischemia. Ischemic heart disease (IHD) - mechanisms of IHD, mechanisms of disorders of electrical and mechanical heart function induced by ischemia, atherosclerosis - major pathogenetic mechanism of IHD, IHD forms; mechanisms of reperfusion injury of the myocardium. Pathophysiology of heart failure - mechanisms responsible for the onset and development of heart failure, mechanisms responsible for the failure of systolic and diastolic heart function, differences in mechanisms responsible for acute and chronic heart failure, right and left heart failure, mechanisms of the manifestation of the heart failure. Blood pressure regulation disorders. Systemic arterial hypertension, mechanisms of primary and secondary arterial hypertension, mechanisms of complications of hypertension, consequences for the organism. Systemic arterial hypotension - mechanisms of onset, consequences for the organism. Basics of ECG evaluation.																				
Recommended literature: Tatár Miloš, Hanáček Ján, Péčová Renata, Plevková Jana: Patologická fyziológia pre zubné lekárstvo [elektronický zdroj] : učebný text pre zubné lekárstvo. - 1. vyd. - Martin : Jesseniova lekárska fakulta UK, 2016. - 223 s. [online] ISBN 978-80-8187-011-8 URL: https://portal.jfmed.uniba.sk/clanky.php?aid=345																				
Languages necessary to complete the course: Slovak language																				
Notes:																				
Past grade distribution Total number of evaluated students: 10 <table border="1"> <thead> <tr> <th>A</th><th>ABS0</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>100,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td><td>0,0</td></tr> </tbody> </table>							A	ABS0	B	C	D	E	FX	100,0	0,0	0,0	0,0	0,0	0,0	0,0
A	ABS0	B	C	D	E	FX														
100,0	0,0	0,0	0,0	0,0	0,0	0,0														
Lecturers: prof. MUDr. Miloš Tatár, CSc., doc. MUDr. Marián Kollárik, PhD., prof. MUDr. Renata Péčová, PhD., prof. MUDr. Jana Plevková, PhD., prof. MUDr. Ján Hanáček, CSc.																				
Last change: 18.12.2017																				
Approved by: prof. MUDr. Jarmila Procházková, CSc.																				

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚPF/J-S-ZL-038/17	Course title: Pathological Physiology for Dental Medicine (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Pathological physiology for dentistry 1	
Course requirements: Evaluation of students is performed in form of two semestral reports and the oral examination. Minimal percentage necessary for passing the subject with success is 74%. Assessment scale is: A: 96-100%, B: 90-95%, C: 85-89%, D: 79-84%, E: 74-78%, FX: 73% and less. Scale of assessment (preliminary/final): final evaluation - the oral examination	
Learning outcomes: After completion of the subject student understand the mechanisms of the onset, development and termination of pathological processes related to myocardial ischemia, arterial and venous blood circulation disorders in lower extremities, pulmonary and visceral circulation, respiratory diseases, renal diseases leading to their insufficiency, basic liver disorders, essential endocrine disorders, disorders of gastrointestinal and blood system. A graduate of the subject can identify the essential and the most important pathomechanisms of the above mentioned disease processes.	
Class syllabus: Arrhythmias – disturbances of impulse creation and conduction. Acute and chronic myocardial ischemia. Pathophysiology of arterial and venous blood circulation in lower extremities (LE): pathogenesis of arterial blood circulation disturbances of LE - ischemic changes and their manifestations. Chronic venous insufficiency (CHVI) – mechanisms and manifestations of CHVI. Pathophysiology of pulmonary and visceral circulation - differences between pulmonary and systemic circulation; pathogenesis of pulmonary hypertension; pathophysiology of pulmonary thromboembolic disease, pulmonary shunts; circulatory disturbances in gastrointestinal tract (GIT) and their consequences. Pathomechanisms of the most common symptoms and signs of cardiovascular diseases. External breathing disorders - mechanisms and causes involved in the development of ventilation, diffusion, perfusion and ventilation-perfusion ratio changes. Pathophysiology of bronchial asthma. Pathophysiology of chronic obstructive pulmonary disease.	

Hypoxia - causes and mechanisms leading to hypoxia, types of hypoxia and the mechanisms of compensation, the effect of hypoxia on function of tissues, organs and systems of the organism. Hyperoxia.

Respiratory insufficiency (RI) - causes, types of RI, consequences of RI for function of organs and organ systems. Basic types of respiratory system dysfunctions and their manifestations in the body. Practical exercises: Lung function tests.

Pathophysiology of glomerular and renal tubular dysfunction - causes and mechanisms of glomerular dysfunction, consequences of this disorder for renal function and for the internal environment of the organism. Causes and mechanisms of renal tubular dysfunction - water and electrolyte resorption disorders, osmotic diuresis, H⁺ ion secretion disorder, nephrotic syndrome.

Pathophysiology of acute and chronic renal failure - causes of acute and chronic renal insufficiency (RI), changes in the internal environment of RI - uremic syndrome, mechanisms responsible for multiorgan dysfunction in acute and chronic RI. Pathomechanisms of the most important symptoms and signs of impaired renal function.

Pathophysiology of the liver - basic liver function, liver insufficiency and its consequences - metabolic, circulatory, hormonal, nerve, skin, others. Portal hypertension; hepatopulmonary syndrome.

Pathophysiology of basic disorders of the endocrine system - general pathomechanisms responsible for the formation of hormonal dysfunctions, pathophysiology of disorders of the hypothalamic-pituitary system - causes of hyper- and hypopituitarism, thyroid disorders - hypo- and hyperfunction; dysfunction of parathyroid glands.

Pathophysiology of the blood system - causes and mechanisms of anemia, polycythemia and leukemia, their influence on the function of organs and organ systems. Causes and mechanisms of coagulopathy, consequences for the organism.

Pathophysiology of GIT - pathogenesis of gastric and duodenal ulcer, pathophysiology of the small and large intestine.

Disorders of the oral cavity and pharynx.

Recommended literature:

Tatár Miloš, Hanáček Ján, Péčová Renata, Plevková Jana: Patologická fyziológia pre zubné lekárstvo [elektronický zdroj] : učebný text pre zubné lekárstvo. - 1. vyd. - Martin : Jesseniova lekárska fakulta UK, 2016. - 223 s. [online]
 ISBN 978-80-8187-011-8
 URL: <https://portal.jfmed.uniba.sk/clanky.php?aid=345>

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 0

A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Miloš Tatár, CSc., doc. MUDr. Marián Kollárik, PhD., prof. MUDr. Renata Péčová, PhD., prof. MUDr. Jana Plevková, PhD., prof. MUDr. Ján Hanáček, CSc.

Last change: 15.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-075/16	Course title: Pediatric Dentistry (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 30 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III; Dental Prosthetics I, II, III; Dentoalveolar and Maxillofacial Surgery I, II	
Course requirements: Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Rate in final evaluation: 80% Practical exam, rate in the final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80% Practical exam – performance of the prescribed tasks in the patient's oral cavity Rate in the final evaluation: 20%	
Learning outcomes: Students receive basic information about the oral health and care in young generation. Learn the skills of communication with a pediatric patient. They understand the function of deciduous and mixed dentice. Students manage the problematics of prophylaxy and medicamentous preparation of a child prior to dental treatment. They are able to analyse diseases of hard dental tissues and their complications in deciduous as well as in the young permanent dentice. Students acquire practicals skills in treatment of deciduous teeth and teeth with incomplete development. Students gain complete knowledge of problematics of anaesthesia and tooth extraction in pediatric patient. The acquired knowledge is used when dealing with the pediatric patients in dental practice.	
Class syllabus: Oral Health and Care in Young Generation. Growth and Development of Deciduous Teeth, Determination of the Tooth-Age in Deciduous Dentition. Role and Functions of Deciduous Dentice, Fluoride and Non-Fluoride Caries Prevention in Children. Role of the Mixed Dentice.	

Incompletely Developed Teeth, Characteristics, Treatment.
Differences Between Deciduous and Permanent Dentice.
Psychoprophylaxy and Psychotherapy in Childhood.
Medicamentous Preparation of a Child Prior to Dental Treatment.
Cariology of Deciduous Dentice, Diagnostics, Initial Phases of Caries and Their Treatment.
RTG Caries Diagnostics.
Anaesthesia in Children, Complications and Resuscitation.
Teeth Extractions in Children, Indications, Complications, Consequences of the Precocious Tooth-Lost.

Recommended literature:

Kilian, J.: Úrazy u dětí. Praha: Avicenum, 1985. 299 s.
Komínek, J. a kol.: Dětská stomatologie. Praha: Avicenum, 1980. 542 s.
Ležovič, J. a kol.: Detské zubné lekárstvo. 2., dopl.vyd. Banská Bystrica: DALI – BB, 2012. 377 s.
Ležovič, J. a kol.: Detské zubné lekárstvo. Banská Bystrica: DALI – BB, 2005. 400 s. ISBN 978-80-89090-41-9.
Tsukiboshi, M.: Plán ošetření při poranění zubů: klinické postupy. Praha: Quintessenz, 2001. 119 s. ISBN 80-902118-7-9.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 16

A	ABS0	B	C	D	E	FX
68,75	0,0	12,5	18,75	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.

Last change: 11.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-086/16	Course title: Pediatric Dentistry (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III, IV; Dental Prosthetics I, II, III, IV; Periodontics I; Pediatric Dentistry I; Dentoalveolar and Maxillofacial Surgery I, II, III; Orthodontics I	
Course requirements: Final Evaluation in form of the theoretical oral exam. Rate in final evaluation: 80% Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Practical exam Scale of assessment (preliminary/final): Final Evaluation in form of the theoretical oral exam. Rate in final evaluation: 80% Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80% Practical exam – performance of the prescribed tasks in the patient's oral cavity Rate in the final evaluation: 20%	
Learning outcomes: Students gain complex information on caries prevention, possibilities of treatment of caries and its complications in the deciduous and mixed dentice. They make themselves familiar with the problematics of peri-maxillary inflammations in children. Students are capable of analysing the diseased changes of periodontal tissues and mucous membranes of the oral cavity in pediatric patient. Students also gain experience in diagnostics and therapy of the diseases of lymphatic glands and salivary glands in children. They understand the problematics of the teeth injuries and injuries of the suspensory apparatus in children. They manage (theoretically and practically) the problematics of fixed and removable prosthetic reconstructions in pediatric casualties.	
Class syllabus: Epidemiology of Caries. Tasks of WHO in Young Generation. Primary Prevention of Caries in Pediatric Dentistry. Endogenous Fluoridation. Exogenous Fluoridation.	

Principles of the Hygiene in The Child's Oral Cavity .
 Nutritional Consultancy in Caries Prevention in Children.
 Principles of Work with Uncooperative Children, Examination and Therapy of Handicapped Children.
 Treatment of Children in General Anaesthesia, Complications and Resuscitation.
 Defects in Teeth-Development, Diagnostics, Treatment.
 Defects in Formation of the Hard Dental Tissues, Diagnostics and Therapy.
 Inflammations of the Pulp, Causes, Pathoanatomical Picture, Therapy, Prevention.
 Necrosis and Gangrene of the Pulp, Apical Periodontitis in Deciduous Dentition, Rtg Picture.
 Dental Focal Infection, Therapy, Prevention.
 Endodontic Treatment of Deciduous Teeth and of Permanent Teeth with Incomplete Development.
 Apexogenesis and Apexification.
 Diseases of Periodontium in Children, Etiology, Diagnostics, Therapy, Complications.
 Inflammations of the Mucous Membrane of Oral cavity in Children, Etiology, Diagnostics, Therapy, Complications.
 Peri-maxillary Inflammations in Children, Etiology, Diagnostics, Therapy, Complications.
 Lymphatic Glands Inflammations in Children, Etiology, Diagnostics, Therapy, Complications.
 Injuries of Teeth in Children, Etiology, Diagnostics, Therapy, Complications.
 Fractures of the Hard Dental Tissues (Crown and Root).
 Injuries of the Suspensory Apparatus of the Teeth.
 Osteomyelitis in Children, Etiology, Diagnostics, Therapy, Complications.
 Diseases of Salivary Glands in Children, Etiology, Diagnostics, Therapy, Complications.
 Fixed prosthetic Replacements in Children.
 Removable Prosthetic Replacement in Children .

Recommended literature:

Kilian, J.: Úrazy u dětí. Praha: Avicenum, 1985. 299 s.
 Komínek, J. a kol.: Dětská stomatologie. Praha: Avicenum, 1980. 542 s.
 Ležovič, J. a kol.: Dětské zubné lékařstvo. 2., dopl.vyd. Banská Bystrica: DALI – BB, 2012. 377 s.
 Ležovič, J. a kol.: Dětské zubné lékařstvo. Banská Bystrica: DALI – BB, 2005. 400 s. ISBN 978-80-89090-41-9.
 Tsukiboshi, M.: Plán ošetření při poranění zubů: klinické postupy. Praha: Quintessenz, 2001. 119 s. ISBN 80-902118-7-9.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 7

A	ABS0	B	C	D	E	FX
71,43	0,0	28,57	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Státelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.

Last change: 12.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-092/17	Course title: Pediatric Dentistry (3)
Educational activities: Type of activities: practicals Number of hours: per week: 10,66 per level/semester: 159,9 Form of the course: on-site learning	
Number of credits: 6	
Recommended semester: 11., 12..	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III, IV; Dental Prosthetics I, II, III, IV; Periodontics I; Pediatric Dentistry I; Dentoalveolar and Maxillofacial Surgery I, II, III; Orthodontics I	
Course requirements: Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Rate in final evaluation: 80% Practical exam Rate in the final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80% Practical exam – performance of the prescribed tasks in the patient's oral cavity Rate in the final evaluation: 20% Final Evaluation: State Exam (12th semester)	
Learning outcomes: Students gain complex information on caries prevention, possibilities of treatment of caries and its complications in the deciduous and mixed dentice. They make themselves familiar with the problematics of manifestations of infectious diseases in oromaxillofacial region in children. Students can recognize the manifestations of hematological diseases and diseases of hematopoietic organs in the oromaxillofacial region. Students acquire experience in diagnostics of manifestations of endocrinopathies, systemic bone disorders in oromaxillofacial region in children. Students can also analyse the manifestations of herodegenerative diseases in oromaxillofacial area in children. Completing the subject, the students gain complex theoretical knowledge and practical experience in Pediatric Dentistry and they can make use of this knowledge in complex examination, diagnostics and arrangement of the therapeutic plan in pediatric patient. Students can also provide the basic treatment in acute condition or in life-threatening condition within the Pediatric Dentistry.	
Class syllabus: Manifestations of Infectious Diseases in Oromaxillofacial Region in Children.	

Manifestations of Selected Nutritional Deficiency in Oromaxillofacial Region in Children.
 Manifestations of the Hematologic Diseases and Diseases of Hematopoietic Organs in Oromaxillofacial Region in Children.
 Manifestations of Disorders of Metabolic and Immunologic Mechanisms in Oromaxillofacial Region in Children.
 Manifestations of Endocrinopathies and Systemic Bone Disorders in Oromaxillofacial Region in Children.
 Manifestations of Heredodegenerative Diseases in Children.
 Oral Health Care in Medically Compromised Children.

Recommended literature:

Andrik, P. a kol.: Čelústná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s.
 Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983. 222 s.
 Bachratý, A., Bachratá, L., Suchancová, B.: Čelústná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.
 Bilický, J.: Klinická rádiológia. Bratislava: Veda, 2004. 67 s. ISBN 80-224-0799-2.
 Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X.
 Duránik, V.: Praktické cvičenia z predklinickej stomatológie. I. Bratislava: Univerzita Komenského, 1995, 1999. 64 s. Skriptá. ISBN 80-223-1361-0.
 Ďurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s. ISBN 80-217-0496-9.
 Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987. 180 s.
 Hellwig, E., Klimek, J., Attin, T.: Záchovní stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4.
 Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9.
 Martinko, V.: Praktikum stomatologickej propedeutiky. Bratislava: UK, 1980. 163 s. Skriptá.
 Slávik, J.: Stomatologická propedeutika, záchovní časť. Košice: UP JŠ, 1992, skriptá.
 Svoboda, O., Adam, M. a kol.: Stomatologická propedeutika. Praha: Avicenum, 1984. 392 s.
 Takač, L.: Stomatologická propedeutika, protetická časť. Košice: UP JŠ, 1982, skriptá.
 Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s.
 Tvrdoň, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 7

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Stateľová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.

Last change: 12.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.KDD/2-JZL-069/16		Course title: Pediatrics				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 9.						
Educational level: I.II.						
Prerequisites:						
Course requirements:						
Learning outcomes:						
Class syllabus:						
Recommended literature:						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
75,0	0,0	6,25	12,5	6,25	0,0	0,0
Lecturers: prof. MUDr. Peter Bánovčin, CSc.						
Last change:						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚFa/J-S-ZL-025/17	Course title: Pharmacology (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Physiology for Dental Medicine 2	
Course requirements: 1. To participate actively on the practical sessions. 2. To pass 2 written tests during the semester or one final test in the end of semester. The minimal limit of successfulness: 65 %. Assessment: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, Fx: 64 % and lower. Scale of assessment (preliminary/final): 100/0	
Learning outcomes: The knowledge of the student after completion of the Pharmacology 1: The basic pharmacokinetic principles (absorption, distribution, biotransformation and elimination of drugs) and factors influencing the fate of drugs in organism; The essential of pharmacodynamics –mechanisms of drugs action from the molecular to the level of the organism; Drugs prescription – the basic rules and methods for prescription of brand products (HVLP) as well individually prepared medicinal products (ILP); The following special pharmacology topics: Pharmacological groups of agents influencing vegetative nervous system; Respiratory system; Gastrointestinal system; Anticancer agents and essential of Immunopharmacology; Drugs influencing the metabolism of hormones, homeostasis of minerals, bone metabolism and Pharmacology of vitamins. The main properties of drugs classified as members of different pharmacological groups from the following point of view: mechanism of action, indications, contraindications, side effects, important interactions and dosage.	
Class syllabus: General Pharmacology: Introduction to pharmacology; Basic definitions; Kinds of therapy; The route of drug administrations; Drug metabolism: absorption, distribution, metabolism, elimination and excretion of drugs; The basic pharmacokinetic parameters; Basics of pharmacodynamics: Mechanism of drug action, The drug action at molecular level; Factors influencing pharmacokinetic and pharmacodynamic of drugs; Endogenous and exogenous factors determined drug effect.	

Basics of drugs prescription: Pharmacopoeia; Classification and nomenclature of drugs; Prescription writing; Rules of drugs prescribing (trade products, extemporaneous drugs, opioids, antibiotics); Prescription of liquid drug forms – trade products, basic extemporaneous drugs; Prescription of solid and soft drug forms – trade products, basic extemporaneous drugs; Special Pharmacology: Pharmacology of autonomic nervous system: Parasympathomimetics; Parasympatholytics; Sympathomimetics; Sympatholytics. Pharmacology of gastrointestinal system: Treatment of peptic ulcer disease; Inflammatory bowel diseases; Antiemetics; Emetics; Prokinetic agent; Spasmolytics; Treatment of diarrhoea; Laxatives; Pancreatic enzymes; Drugs affecting the function of the biliary system; Pharmacology of respiratory system: Treatment of asthma; COPD, antitussives and expectorants; Other drugs affecting the respiratory system. Hormones: Pancreatic hormones and antidiabetic drugs; Adrenal hormones; Sex hormones and contraceptives The hypothalamus and pituitary hormones; Thyroid hormones and antithyroidal drugs. Drugs affecting homeostasis of minerals, bone metabolism, vitamins. Principles of Anticancer pharmacotherapy. Fundamentals Immunopharmacology (Immunosuppression, Immunomodulation). Clinical trials of drugs.																				
Recommended literature: Lincová, D., Farghali, H. A kol.: Základní a aplikovaná farmakologie, II. vydání. Galén, 2007. Mirossay, L., Mojžiš, J. a kol.: Základná farmakológia a farmakoterapia, Equilibria, 2006. Hrková, V. a kol.: Receptúrna propedeutika, Martin, Osveta, 1993. Rang HP, Dale MM, Ritter JM.: Pharmacology. 7th ed., Churchill Livingstone, 2012. Rang HP, Dale MM: Pharmacology. 8th ed., Churchill Livingstone, 2015. Katzung, B.G.: Basic Clinical Pharmacology, 12th edition, New York : McGraw-Hill, 2015. Katzung, B.G.: Basic Clinical Pharmacology, 11th edition, New York : McGraw-Hill, 2013.																				
Languages necessary to complete the course: Slovak language																				
Notes:																				
Past grade distribution Total number of evaluated students: 10 <table border="1"> <thead> <tr> <th>A</th><th>ABS0</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>20,0</td><td>0,0</td><td>60,0</td><td>10,0</td><td>10,0</td><td>0,0</td><td>0,0</td></tr> </tbody> </table>							A	ABS0	B	C	D	E	FX	20,0	0,0	60,0	10,0	10,0	0,0	0,0
A	ABS0	B	C	D	E	FX														
20,0	0,0	60,0	10,0	10,0	0,0	0,0														
Lecturers: doc. RNDr. Soňa Fraňová, PhD., doc. MUDr. Juraj Mokrá, PhD., doc. MUDr. Martina Šutovská, PhD.																				
Last change: 12.01.2018																				
Approved by: prof. MUDr. Jarmila Procházková, CSc.																				

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚFa/J-S-ZL-036/17	Course title: Pharmacology (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Pharmacology I.	
Course requirements: 1. To participate actively on the practical sessions 2. To pass 2 written tests during the semester or one final test in the end of semester 3. To pass the final oral exam (Content of final exam-General and Special Pharmacology, Drug prescription) The minimal limit of successfulness: 65 %. Assessment: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, Fx: 64 % and lower. Scale of assessment (preliminary/final): 30/70	
Learning outcomes: The graduate of Pharmacology 2. acquire the extensive knowledge concerning the pharmacology of drugs affecting the functions of the central and peripheral nervous systems. After graduation of the subject, students gain detailed information about the pharmacotherapy of the cardiovascular system diseases, pain and inflammation, rational use of antibiotics and chemotherapeutic agents and poisoning treatment. Each part of the special pharmacology is aimed at pharmacological properties of selected representatives in terms of mechanism, indications, contraindications, side effects, serious interactions, dosage and pharmacokinetic parameters.	
Class syllabus: Pharmacology of CNS: classification of the receptor systems and drugs; Sedatives; Anxiolytics; Antidepressants; Antimanics; Neuroleptics; Nootropic and cognitive substances; Anticonvulsants; Antiparkinsonic drugs; Drugs used in anaesthesiology: General anaesthetics; Local anaesthetics; Muscle relaxants; Pharmacology of CVS: Therapy of hypertension; Therapy of heart failure; Antiarrhythmic drugs; Treatment of angina pectoris; Peripheral vasodilators; Anticoagulants; Thrombolytics; Prevention and therapy of CVS diseases; Antithrombotics, Lipid-lowering agents; Pharmacotherapy of obesity; Antibiotics and chemotherapeutics: Inhibitors of bacterial cell wall synthesis, Inhibitors of protein and nucleic acid synthesis; Antituberculous drugs; Antifungal agents; Anthelmintics; Antimalarial; Antiviral drugs;	

Treatment of pain and inflammation: Opioid analgesics and adjuvant therapy; Non-opioid analgesics; Principles of pain treatment; NSAIDs and Antirheumatic drugs; Principles of toxicology: Treatment of drug poisoning; Drug addiction and addiction therapy; Pharmacology of autacoids; Therapy of allergic diseases; Practical lessons aimed at the application of acquired knowledge obtained from the subjects Pharmacology 1. and Pharmacology 2. in clinical cases;						
Recommended literature: Lincová, D., Farghali, H. A kol.: Základní a aplikovaná farmakologie, II. vydání. Galén, 2007. Mirossay, L., Mojžiš, J. a kol.: Základná farmakológia a farmakoterapia, Equilibria, 2006. Hrková, V. a kol.: Receptúrna propedeutika, Martin, Osveta, 1993. Rang HP, Dale MM, Ritter JM.: Pharmacology. 7th ed., Churchill Livingstone, 2012. Rang HP, Dale MM: Pharmacology. 8th ed., Churchill Livingstone, 2015. Katzung, B.G.: Basic Clinical Pharmacology, 12th edition, New York : McGraw-Hill, 2015. Katzung, B.G.: Basic Clinical Pharmacology, 11th edition, New York : McGraw-Hill, 2013.						
Languages necessary to complete the course: Slovak language						
Notes:						
Past grade distribution Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. Soňa Fraňová, PhD., doc. MUDr. Juraj Mokrá, PhD., doc. MUDr. Martina Šutovská, PhD.						
Last change: 12.01.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚTV/J-S-ZL-TV1/15		Course title: Physical Training (1)				
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 30 Form of the course: on-site learning						
Number of credits: 1						
Recommended semester: 1.						
Educational level: I.II.						
Prerequisites:						
Course requirements: presence						
Learning outcomes: The graduate of this subject personify his attitude to the necessity of healthy life style. He will understand the health sense of active movement for the human health. He will bring into his attitude and conviction the role of active movement, sport as a effective prevention against civilization illnesses of today as a part of therapy to improve the state of health of the whole population. He will become own surely about the importance of sport and motion activities by harmonic young human character progress.						
Class syllabus: Deepen the base of collective games knowledge (basketball, volleyball, football, floorball, hockeyball). Explain and show the rules on examples. Collective games needs integration of individual ability and skills for its profit to the whole collective. All listed games support the active life style and offer progress of balance between physical and mental work of students at medical faculty.						
Recommended literature: Lubor Tománek , Teória a didaktika basketbalu Ludmila Zapletalová, Vladimír Přidal, Peter Mačura, 1996 Teória a didaktika volejbalu						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 2						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PaedDr. Jozef Šimeček						
Last change: 19.03.2018						

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚTV/J-S-ZL-TV2/15		Course title: Physical Training (2)				
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 30 Form of the course: on-site learning						
Number of credits: 1						
Recommended semester: 2.						
Educational level: I.II.						
Prerequisites:						
Course requirements: presence						
Learning outcomes: The graduate of this subject personify his attitude to the necessity of healthy life style. He will understand the health sense of active movement for the human health. He will bring into his attitude and conviction the role of active movement, sport as a effective prevention against civilization illnesses of today as a part of therapy to improve the state of health of the whole population. He will become own surely about the importance of sport and motion activities by harmonic young human character progress.						
Class syllabus: Deepen the base of collective games knowledge (basketball, volleyball, football, floorball, hockeyball). Explain and show the rules on examples. Collective games needs integration of individual ability and skills for its profit to the whole collective. All listed games support the active life style and offer progress of balance between physical and mental work of students at medical faculty.						
Recommended literature: Lubor Tománek , Teória a didaktika basketbalu Ludmila Zapletalová, Vladimír Přidal, Peter Mačura, 1996 Teória a didaktika volejbalu						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 1						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PaedDr. Jozef Šimeček						
Last change: 19.03.2018						

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚTV/J-S-ZL-TV3/16		Course title: Physical Training (3)				
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 30 Form of the course: on-site learning						
Number of credits: 1						
Recommended semester: 3.						
Educational level: I.II.						
Prerequisites:						
Course requirements: presence						
Learning outcomes: The graduate of this subject personify his attitude to the necessity of healthy life style. He will understand the health sense of active movement for the human health. He will bring into his attitude and conviction the role of active movement, sport as a effective prevention against civilization illnesses of today as a part of therapy to improve the state of health of the whole population. He will become own surely about the importance of sport and motion activities by harmonic young human character progress.						
Class syllabus: Deepen the base of collective games knowledge (basketball, volleyball, football, floorball, hockeyball). Explain and show the rules on examples. Collective games needs integration of individual ability and skills for its profit to the whole collective. All listed games support the active life style and offer progress of balance between physical and mental work of students at medical faculty.						
Recommended literature: Lubor Tománek , Teória a didaktika basketbalu Ludmila Zapletalová, Vladimír Přidal, Peter Mačura, 1996 Teória a didaktika volejbalu						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 6						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PaedDr. Jozef Šimeček						
Last change: 19.03.2018						

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚTV/J-S-ZL-TV4/16		Course title: Physical Training (4)				
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 30 Form of the course: on-site learning						
Number of credits: 1						
Recommended semester: 4.						
Educational level: I.II.						
Prerequisites:						
Course requirements: presence						
Learning outcomes: The graduate of this subject personify his attitude to the necessity of healthy life style. He will understand the health sense of active movement for the human health. He will bring into his attitude and conviction the role of active movement, sport as a effective prevention against civilization illnesses of today as a part of therapy to improve the state of health of the whole population. He will become own surely about the importance of sport and motion activities by harmonic young human character progress.						
Class syllabus: Deepen the base of collective games knowledge (basketball, volleyball, football, floorball, hockeyball). Explain and show the rules on examples. Collective games needs integration of individual ability and skills for its profit to the whole collective. All listed games support the active life style and offer progress of balance between physical and mental work of students at medical faculty.						
Recommended literature: Lubor Tománek , Teória a didaktika basketbalu Ludmila Zapletalová, Vladimír Přidal, Peter Mačura, 1996 Teória a didaktika volejbalu						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 2						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PaedDr. Jozef Šimeček						
Last change: 19.03.2018						

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚFy/J-S-ZL-014/16	Course title: Physiology for Dental Medicine (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 3 per level/semester: 45 / 45 Form of the course: on-site learning	
Number of credits: 6	
Recommended semester: 3.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Anatomy for dental medicine 2	
Course requirements: 1. To participate actively on the practical sessions, to take part at 93 % of practicals 2. To pass 2 credit tests by minimum of 60% (Physiology of Blood, Physiology of Cardiovascular system) Scale of assessment (preliminary/final): 100/0	
Learning outcomes: After completion of the subject the student obtains knowledge and recognizes the principles of the human body functions on the different levels: molecular, subcellular, cellular, tissue, organ and systemic. The major emphasize is on the mechanisms and regulations of functions. The principles are applied in the complex interactions between the systems maintaining the constant internal environment (homeostasis) and external environment. In Physiology for dental medicine 1 the student understands the functions of Blood, Cardiovascular System and Respiratory System. The student reaches deep knowledge by means of interactive lectures, case studies analysis and simulation technologies. The main aim of the practical training is to better understand body functions through examinations by modern clinical methods.	
Class syllabus: Physiology of blood (volume, composition, erythrocytes, ESR, leukocytes, platelets, hemostasis, blood groups, transfusion, principles of immunophysiology). Cardiovascular system (physiology of the heart, cardiac cycle and output, heart sounds, methods for examinations of the heart and vessels, regulation, reflexes, hemodynamics, circulation in the special regions, lymphatic circulation, ontogenetic aspects of the cardiovascular system from intrauterine life up to the elderly). Respiratory system (ventilation, mechanics of breathing, function tests, gas exchange, gas transport, pulmonary surfactant, oxygen therapy, artificial ventilation, regulation of the breathing, ontogenetic aspects).	
Recommended literature:	

Javorka K. a kol.: Lekárska fyziológia, 4. vyd., Martin, Osveta, 2014, 769 s. ISBN 978-80-8063-407-0 Čalkovská A. a kol.: Návod y k praktickým cvičeniam z fyziológie. Bratislava, UK, 2014, 153 s. ISBN 978-80-223-3578-2						
Languages necessary to complete the course: slovak						
Notes:						
Past grade distribution Total number of evaluated students: 17						
A	ABS0	B	C	D	E	FX
88,24	0,0	11,76	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Andrea Čalkovská, DrSc., prof. MUDr. Kamil Javorka, DrSc., prof. MUDr. Michal Javorka, PhD., doc. MUDr. Daniela Mokrá, PhD., doc. MUDr. Ingrid Tonhajzerová, PhD.						
Last change: 15.03.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚFy/J-S-ZL-019/16	Course title: Physiology for Dental Medicine (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 3 per level/semester: 45 / 45 Form of the course: on-site learning	
Number of credits: 7	
Recommended semester: 4.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Physiology for dental medicine 1	
Course requirements: 1. To participate actively on the practical sessions, to take part at 93 % of practicals 2. To pass 2 credit tests by minimum of 60% (Physiology of respiratory system, Physiology of GIS, Physiology of nervous system, senses and muscles)	
Learning outcomes: After completion of the subject the student obtains knowledge and recognizes the principles of the human body functions on the different levels: molecular, subcellular, cellular, tissue, organ and systemic. The major emphasize is on the mechanisms and regulations of functions. The principles are applied in the complex interactions between the systems maintaining the constant internal environment (homeostasis) and external environment. In Physiology for dental medicine 2 the student understands the functions of Gastrointestinal system, Muscles, Reproductive System, Endocrine System and Neural System. The student reaches deep knowledge by means of interactive lectures, case studies analysis and simulation technologies. The main aim of the practical training is to better understand body functions through examinations by modern clinical methods.	
Class syllabus: Physiology of gastrointestinal system (physiology of the mouth, esophagus, stomach, liver and biliary system, digestion and absorption). Renal physiology. Physiology of muscles (skeletal and smooth). Thermoregulation and fever. Physiology of the nervous system (peripheral, autonomic and central). Physiology of the endocrine system. Ontogenetic aspects of the systems. Ageing.	
Recommended literature: Javorka K. a kol.: Lekárska fyziológia, 4. vyd., Martin, Osveta, 2014, 769 s. ISBN 978-80-8063-407-0 Čalkovská A. a kol.: Návod y k praktickým cvičeniam z fyziológie. Bratislava, UK, 2014, 153 s. ISBN 978-80-223-3578-2	
Languages necessary to complete the course: slovak	

Notes:						
Past grade distribution Total number of evaluated students: 10						
A	ABS0	B	C	D	E	FX
60,0	0,0	10,0	20,0	0,0	10,0	0,0
Lecturers: prof. MUDr. Andrea Čalkovská, DrSc., prof. MUDr. Kamil Javorka, DrSc., prof. MUDr. Michal Javorka, PhD., doc. MUDr. Daniela Mokrá, PhD., doc. MUDr. Ingrid Tonhajzerová, PhD.						
Last change: 15.03.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-064/15	Course title: Practice in Dental Office (3)
Educational activities: Type of activities: practice Number of hours: per week: 10,66 per level/semester: 159,9 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 8.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I; Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III; Dental Prosthetics I, II, III; Dentoalveolar and Maxillofacial Surgery I, II	
Course requirements: Attendance 160 h in dental laboratory and outpatient. Individual work: performance of all the prescribed practical tasks Scale of assessment (preliminary/final): Written Evaluation by the Head of the Dpt. where the practical took place. Evaluation of the working diary by the guarant of the subject Individual work: performance of all the prescribed practical tasks	
Learning outcomes: Students gain skills within the area of Conservative Dentistry, Endodontics, Dental Prosthetics directly in the dental practice. They are able to perform all methods of the primary prevention from caries and periodontium diseases in patient's oral cavity. Students understand techniques of application of the local anaesthetics in the oromaxillofacial area. On completing this subject, students gain the complete picture of the problematics of indications and contraindications of tooth extractions. Students make themselves familiar with the basic sequence of performance of tooth extraction in patient's oral cavity.	
Class syllabus: Performance of the Basic Tasks within the Area of Conservative Dentistry, Endodontics, Dental Prosthetics and Dentoalveolar Surgery in the Dental Practice. Application of the Methods of Primary Prevention from Caries and from Diseases of Periodontium. Treatment of Caries and Pulp in Adult Patient – Indication and Diagnosis. Prosthetic Therapy of the Tooth with Fixed Bridges, Partially and Fully Removable Dentures. Application of the Topical, Infiltration and Regional Anaesthesia. Indications of the Tooth Extraction. Simple Extractions of the Teeth. Diagnosis and Therapy of Complications During and After Tooth Extraction. Conservative Treatment of dentitis difficilis.	

Extension of Practical Experience and Basic Tasks in Practical Daily Duties, including Office Duties, Administration and Communication with Insurance Companies.
Recommended literature:
Languages necessary to complete the course: english
Notes:
Past grade distribution Total number of evaluated students: 16
ABS0
100,0
Lecturers: doc. MUDr. Dagmar Státníková, CSc., MUDr. Mária Janíčková, PhD., MPH
Last change: 11.12.2017
Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-088/16	Course title: Practice in Dental Office (4)
Educational activities: Type of activities: practice Number of hours: per week: 10,66 per level/semester: 159,9 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course: slovak/english	
Notes:	
Past grade distribution Total number of evaluated students: 7	
ABS0	
100,0	
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH	
Last change: 12.12.2017	
Approved by: prof. MUDr. Jarmila Procházková, CSc.	

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-024/16	Course title: Practice in dental technique and at the dentist's (1)
Educational activities: Type of activities: practice Number of hours: per week: 5,33 per level/semester: 79,95 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 4.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I; Propedeutics of Dentistry I, II	
Course requirements: Practice in the Dental Laboratory and Dental Outpatient Scale of assessment (preliminary/final): Written Evaluation by the Head of the Dpt. where the practicals took place. Evaluation of the working diary by the guarant of the subject Individual work: performance of all the prescribed practical tasks	
Learning outcomes: Students gain the complex overview of work in the dental practice from the point of view of the assisting nurse. They make themselves familiar with the fundamentals of the hygienic regime of the dental practice, take part in disinfection and sterilisation of the instrumentation equipment. Students practically learn all the tasks performed by the nurse including file keeping, documenting the patients. They are expected to master all procedures related to processing various dental materials. On completing the subject, students acquire a complex picture of the sequence of procedures in the dental practice and dental technics.	
Class syllabus: Work in dental practice: preparation of the practice for the daily program. Preparation of instrumentation and materials. Hygienic and disinfective regime in the practice. Disinfection and sterilisation of instrumentation. Protective means. Preparation and storage of the filing and other dental materials. Stomatological instrumentation. Preparation and manipulation with the imprint materials. Practical performance of all nurse tasks in the dental practice. Basics of the health documentation file keeping. Work in laboratory: work in dental technique lab, equipment, protective means. Imprints making, casting, fabrication of all types of models. Maintenance of damaged prosthetic replacements. Familiarisation with the laboratory technological methods with emphasis on their linkup between dental practice and dental technic.	
Recommended literature:	

Languages necessary to complete the course: english
Notes:
Past grade distribution Total number of evaluated students: 10
ABS0
100,0
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH
Last change: 08.12.2017
Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-045/17	Course title: Practice in dental technique and at the dentist's (2)
Educational activities: Type of activities: practice Number of hours: per week: 5,33 per level/semester: 79,95 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I; Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I; Dental Prosthetics I	
Course requirements: Practice in the Dental Laboratory and Dental Outpatient , 80 hours, Individual work: performance of all the prescribed practical tasks Scale of assessment (preliminary/final): Written Evaluation by the Head of the Dpt. where the practicals took place.Evaluation of the working diary by the guarant of the subject	
Learning outcomes: Students gain the complex overview of work in the dental practice, they make themselves familiar with the fundamentals of the hygienic regime of the stomatological practice. Students are able to set a plan and perform basic therapeutical tasks in Preventive dentistry and Conservative Dentistry in patient's oral cavity. Students gain skills in work with and preparation of the fixed prosthetic replacements and fully removable dentures (replacements) within Dental Technology. On completing the subject, students acquire a complex picture of the sequence of procedures in the dental practice and dental technics.	
Class syllabus: Work in Dental Laboratory. Principles and Function of the Particular Instruments. Imprints Casting, Processing of Plaster Models. Modelling of Particular types of Crowns and Bridges Dental Putty Application in the Core. Metal Constructions Processing. Working Sequence in Preparation of Fully Removable Replacements (Dentures). The Importance of Work with Particular Types of Articulators to prepare a Quality Dental Replacement. Final Processing of the Fully Removable Dental Replacements (Dentures). Work in dental Practice. Individual Work in Patient's Oral Cavity under Supervision of a Tutor. Setting the Complete Plan of a Dental Treatment.	

Assessment of Indications of the Particular Treatments. Treatment within Preventive Dentistry, Conservative Dentistry and Dental prosthetics. Examination of the Condition of Periodontium, Removal of the Dental Calculus and Soft Plaque. Briefing on Dental Hygiene and Healthy Nutrition.
Recommended literature:
Languages necessary to complete the course: english
Notes:
Past grade distribution Total number of evaluated students: 0
ABS0
0,0
Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH
Last change: 08.12.2017
Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-035/17	Course title: Preventive Dental Medicine (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 45 / 30 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III	
Course requirements: Attendance 100 % Consecutive Evaluation – test: minimum to pass: 65% Scale of assessment (preliminary/final): Consecutive Evaluation – test: minimum to pass: 65% Evaluation Scale: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less	
Learning outcomes: Students gain complex information about the principles of primary, secondary and tertiary prevention in Dentistry. They familiarise with basics of examination of periodontal and hard dental tissues using the standardized methodics of WHO. They learn the basic principles of determination the indices of dental caries, gums-bleeding, and presence of the dental plaque. Students also understand the principles of professional optimal oral hygiene and motivation of the patient. Students understand the principles of briefing the patients about the home methods of ensuring the optimal oral hygiene. Completing the course (subject), students acquire the knowledge and skills inevitable for creating an individual prophylactic plan.	
Class syllabus: Definition of Oral Health and Prevention. Primary, Secondary and Tertiary Prevention, projects of WHO. Epidemiology of Diseases of Oral Cavity, Methods of Epidemiologic Studies, Results Interpretation. The Role of Nutrition, Biochemical Activity and Metabolism in Oral Cavity. The Importance of Nutrition in Prevention of Caries. Indices of Cariosity and of Interdental Papilla, Plaque Indices. Determination of Dental Caries Activity. Work in Dental Practice. Working Positions of Dentist, Dental Nurse and Patient in Different Areas of Oral Cavity . Principles of Infection Transmission in the dental Practice. Case History and Its Role in Patient's Examination.	

The Contents of Extroral and Intraoral Examination.
 Saliva, Main Functions and Composition – Salivation Examination.
 Periodontal Tissues.
 Gingiva.
 Periodontological Probe of WHO.
 Pathology of Sulcus Gingivalis.
 Bleeding During Examination in Region of Sulcus Gingivalis.
 Recessus Gingivalis, Loss of Attachment, Classification of the Root Furcations.
 Frenulum labii at Frenuli accessorii (lateralis)- Clinical Anatomy and Examination of Attachment, Its Etiopathogenesis in Etiology of Periodontal Disease.
 Dental Plaque – Definition, Composition, and Etiopathogenesis in Formation of Diseases of Oral Cavity
 Plaque Detection, Indices.
 Caries, Definition, Diagnostics.
 Radiological Diagnostics of Caries. Radiological Index of Cariosity DMF-S, PBI, CPITN.
 Role of Dental Hygiene in Oral Health, Motivation and Briefing of the Patient.
 Ensuring Optimal Oral Hygiene Considering the Values of BoP and PBI.
 Dental Calculus.
 Initial Arrangement of Individual Prophylaxy.
 Professional Teeth Cleaning. Reconstruction and Polishing of Fillings to Remove the Marginal irritations. Local Methods of Teeth Fluoridation.

Recommended literature:

Kovaľová, E. a kol.: Orálna hygiena 2 a 3. Prešov: Pavol Šidelský □ Akcent print Zúrrich, 2010. 667 s. ISBN 978-80-89295-24-1.
 Kovaľová, E. a kol.: Orálna hygiena 4. Prešov: Prešovská Univerzita, 2012. 334 s. ISBN 978-80-555-0567-1.
 Kovaľová, E. a kol.: Orálna hygiena 5. Prešov: Pavol Šidelský. Akcent print, 2013. ISBN 978-80-89295-39-5.
 Kovaľová, E. a kol.: Parodontológia-Orálna hygiena 6. Prešov: Pavol Šidelský. Akcent print, 2015. ISBN 978-80-89295-60-90.
 Kovaľová, E. a kol.: Parodontológia II. Prešov: Michal Vaško-Vydavateľstvo Prešov, 2017. ISBN 978-80-8198-005-3.
 Kovaľová, E. a kol.: Parodontológia III. Prešov: Michal Vaško-Vydavateľstvo Prešov, 2017. ISBN 978-80-8198-007-7
 Matuševská, M.: Anatómia pre dentálnu hygienu. ISBN: 978-80-967145-6-8

Languages necessary to complete the course:

english

Notes:

Past grade distribution

Total number of evaluated students: 10

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH

Last change: 07.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-087/16	Course title: Preventive Dental Medicine (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 45 / 30 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I, Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I, II, III, IV; Dental Prosthetics I, II, III, IV; Periodontics I; Pediatric Dentistry I; Dentoalveolar and Maxillofacial Surgery I, II, III; Orthodontics I	
Course requirements: Attendance 100 % Consecutive Evaluation – test: minimum to pass: 65% Scale of assessment (preliminary/final): Final evaluation in form of theoretical oral exam. Rate of the oral exam result in final evaluation: 80% Consecutive Evaluation – test: minimum to pass: 65% Evaluation Scale: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less Rate of the test in final evaluation: 20%	
Learning outcomes: Acquirement of complex information about the aims, projects and epidemiological studies concerning the oral health. Students understand the principles of prevention from occurrence of prosthetic defects, orthodontics anomalies, diseases of TMJ, oncological diseases in oromaxillofacial region and injuries in oromaxillofacial area. Students are capable of applying the knowledge actively in work with patients in dental practice.	
Class syllabus: Oral Health – Aims of WHO For Oral Health Protection. Project WHO – „Health for all by the Year 2000“ and „Health 21“. Epidemiology of Chronic, Infectious, Non- transmissible Diseases – Caries, Periodontal Diseases. Results of Epidemiological Studies in Europe and in the Slovak Republik. Age- groups Important for Observation of Parameters of Oral Health Participation of Particular Governmental Structures in Health Protection. Importance of Education and Briefing on Oral Health in Primary Prevention Practical Realisation of Oral Health Education in Elementary Schools for Children Aged 6-14 - According to the Model and Recommendations of WHO. Prevention of the Overall Complications in Dentistry Prevention of Complications and Treatment of Patients with Complex Diseases.	

Prevention of Orthodontic Anomalies. Prevention in Prosthetics. Prevention of Diseases of TMJ. Prevention of Injuries in Oromaxillofacial Region. Prevention of Oncological Diseases in Oromaxillofacial Region.						
Recommended literature: Kovaľová, E. a kol.: Orálna hygiena 2 a 3. Prešov: Pavol Šidelský, Akcent print, 2010. ISBN 978-80-89295-24-1. Kovaľová, E. a kol.: Orálna hygiena 4. Prešov: Prešovská Univerzita, 2012. 334 s. ISBN 978-80-555-0567-1. Kovaľová, E. a kol.: Orálna hygiena 5. Prešov: Pavol Šidelský. Akcent print, 2013. ISBN 978-80-89295-39-5. Kovaľová, E. a kol.: Parodontológia-Orálna hygiena 6. Prešov: Pavol Šidelský. Akcent print, 2015. ISBN 978-80-89295-60-90. Kovaľová, E. a kol.: Parodontológia II. Prešov: Michal Vaško-Vydavateľstvo Prešov, 2017. ISBN 978-80-8198-005-3. Kovaľová, E. a kol.: Parodontológia III. Prešov: Michal Vaško-Vydavateľstvo Prešov, 2017. ISBN 978-80-8198-007-7 Matuševská, M.: Anatómia pre dentálnu hygienu. ISBN: 978-80-967145-6-8						
Languages necessary to complete the course: slovak/english						
Notes:						
Past grade distribution Total number of evaluated students: 7						
A	ABS0	B	C	D	E	FX
85,71	0,0	0,0	14,29	0,0	0,0	0,0
Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH						
Last change: 12.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-017/16	Course title: Propedeutics of Dental Medicine (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 1.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Fundamental of medical terminology	
Course requirements: Attendance 100 % Consecutive Evaluation – test Individual work Scale of assessment (preliminary/final): Consecutive Evaluation – test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in the overall evaluation: 80% Individual work: tooth modelling (wax), rate in overall consecutive evaluation: 20%	
Learning outcomes: Students understand the basic terminology of Dentistry. They gain detailed information about morphology of the permanent and deciduous dentition. They make themselves familiar with the difference between permanent and deciduous teeth. Subject contributes to development of the manual skills by enabling students to model the teeth using various materials: wax, chalk.	
Class syllabus: Terminology in Dentistry. Anatomy and Morphology of the Dentice and Teeth. Morphology of the Permanent and Deciduous Dentition. Differences between the Permanent and Deciduous Dentice. Morphology of the Particular Teeth. Basic Equipment of a dental unit. Basic Technical Equipment in Dentistry.	
Recommended literature: Duránik, V., Holomáňová, A., Gabániová, D.: Detailná anatómia zubov. Návod na modelovanie zubov. Bratislava: Univerzita Komenského, 2002. 64 s. Skriptá. ISBN 80-223-1622-9. Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9.	

Martinko, V.: Praktikum stomatologickej propedeutiky. Bratislava: Univerzita Komenského, 1980. 163 s. Skriptá. Slávik, J.: Stomatologická propedeutika, záchovná časť. Košice: UPJŠ, 1992, skriptá. Svoboda, O. a kol.: Stomatologická propedeutika. Praha: Avicenum, 1984. 392 s. Takač, L.: Stomatologická propedeutika, protetická časť. Košice: UPJŠ, 1982, skriptá.						
Languages necessary to complete the course: english						
Notes:						
Past grade distribution Total number of evaluated students: 17						
A	ABS0	B	C	D	E	FX
76,47	0,0	5,88	17,65	0,0	0,0	0,0
Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.						
Last change: 08.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-023/16	Course title: Propedeutics of Dental Medicine (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 45 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 2.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Propedeutics of Dentistry I	
Course requirements: Attendance 100 % Consecutive Evaluation – test: minimum to pass: 65% Individual work Scale of assessment (preliminary/final): Consecutive Evaluation – test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in the overall evaluation: 80% Individual work: preparation of cavities according to Black, creation of fillings on the models. Rate in overall consecutive evaluation: 20%	
Learning outcomes: Students get the basic theoretical information and practical skills concerning the basics of Cariology and Prosthetics, they are also trained in basic skills of work with rotating instruments. They adopt the techniques of preparation of the hard dental tissues. Students understand the principles of preparation of the fixed crown replacements and complete removable replacements. Students manage the imprint technique, they are capable of analysing the intermaxillary relations. Acquired theoretical knowledge is used at work with dental models and phantom heads.	
Class syllabus: Caries – Predilection Location of Occurrence. Classification of the Cavities. Principles of the Cavity Preparation (access and opening of the cavity, cavity profile, preventive extension, filling anchorage, protection of the tooth and filling resistance). Preparation of the 1st Class Cavities According to Black, Preparation of the 2nd Class Cavities According to Black, Preparation of the 3rd Class Cavities According to Black, Preparation of the 5th Class Cavities According to Black. Permanent and Temporary Fillings. Working Procedures for Preparation of Crown Replacements. Fixed Bridges – Working Procedure of Preparation, Types of Abutment teeth. Working Procedures for Preparation of Complete Fixed Dentures. Peripheries of the Upper Complete Removable Denture.	

Imprint Material– Classification, Features, Usage. Developments of the Skills in Imprint Technique, Preparation of Models, Reconstruction of Intermaxillary Relations, Importance of the Particular Methods and Causes of Possible Mistakes. Defects of Teeth and Dentice. Instruments, Materials and Working Procedures in Preparation of Resin Crown, Complete Cast, Faceted, and Ceramic Crown, Fixed Bridge and Complete Removable Denture. Paralelometer – Analysis of the Dental Model. Intermaxillary Relations and Rules of Teeth Positioning, Polymerisation.																				
Recommended literature: Duránik, V.: Praktické cvičenia z predklinickej stomatológie. I. Bratislava: Univerzita Komenského, 1995, 1999. 64 s. Skriptá. ISBN 80-223-1361-0. Hubáľková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9. Martinko, V.: Praktikum stomatologickej propedeutiky. Bratislava: UK, 1980. 163 s. Skriptá. Slávik, J.: Stomatologická propedeutika, záchovná časť. Košice: UP JŠ, 1992, skriptá. Svoboda, O., Adam. M. a kol.: Stomatologická propedeutika. Praha: Avicenum, 1984. 392 s. Takač, L.: Stomatologická propedeutika, protetická časť. Košice: UP JŠ, 1982, skriptá.																				
Languages necessary to complete the course: english																				
Notes:																				
Past grade distribution Total number of evaluated students: 7 <table border="1"> <thead> <tr> <th>A</th><th>ABS0</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>42,86</td><td>0,0</td><td>42,86</td><td>14,29</td><td>0,0</td><td>0,0</td><td>0,0</td></tr> </tbody> </table>							A	ABS0	B	C	D	E	FX	42,86	0,0	42,86	14,29	0,0	0,0	0,0
A	ABS0	B	C	D	E	FX														
42,86	0,0	42,86	14,29	0,0	0,0	0,0														
Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.																				
Last change: 08.12.2017																				
Approved by: prof. MUDr. Jarmila Procházková, CSc.																				

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-033/17	Course title: Propedeutics of Dental Medicine (3)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 4 / 2 per level/semester: 60 / 30 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 3.	
Educational level: I,II.	
Prerequisites:	
Recommended prerequisites: Propedeutics of Dentistry I,II	
Course requirements: Attendance 100 % Consecutive Evaluation – test: minimum to pass: 65% Rate in the overall evaluation: 80% Individual work Rate in final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation – test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in the overall evaluation: 80% Individual work: one of the following tasks on dental model or phantom head: modelling of the occlusion template, imprints and fabrication of models for removable denture, registration of the intermaxillary relations (templates ready in advance), fabrication of a resin crown, modelling of a complete cast crown from wax, modelling of the root superstructure, model analysis in paralelometer, plotting the anchorage components, making imprints for the fixed denture, fixation of the models in articulator by the occlusion imprint, positioning of teeth in wax for the complete removable denture (1/2 circle). Rate in final evaluation: 20%	
Learning outcomes: Students gain detailed theoretical knowledge and practical skills corresponding with Cariology, Endodontics and Prosthetics. They familiarise with the fundamentals of Orthodontics . They understand the basics of sterilisation and disinfection. Students understand the principles of usage of RTG radiation in diagnostics of hard dental tissues diseases.. Students also manage the administration in stomatology, are capable of analysing the dentice condition and setting the treatment plan. Acquired theoretical knowledge is used at work with dental models and phantom heads.	
Class syllabus: Classification of the Prosthetic Replacements According to Chewing Momentum Transmission. Partial Removable Replacements – Classification. Construction Components of Partial removable Denture with Metal Construction.	

Direct and Indirect Method of Fabricating Cast Filling. Root Superstructure – Methods of Fabrication, Root-filling Materials. Instruments Used in Root-Canal Preparation. Endodontic Treatment of a Single-rooted Tooth. Modellation Clays – Characteristics and Usage. Pumice and Polish Materials and Instruments. Types of Maxillary Othopaedic Apparati and Their Basic Components. Dental Metal Alloys – Classification and Usage. Terminology in Maxillary Orthopaedics. Putty Clays – Qualities and Usage. Wax in Dentistry – Types and Usage Examination Instruments used in Conservative Dentistry. Exmination, Documenting, Administration in Dentistry, Treatment Plan. Disinfection and Sterilisation. Equipment in RTG Practice. RTG Devices – Description and Usage. RTG Lighting and RTG Radiation. Features of Dental RTG Film. Elaboration of RTG Film in Dark Room, Types. Developer and Fixer- Characteristics Abberations in RTG Image Development .
Recommended literature: Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983. 222 s. Andrik, P. a kol.: Čeľustná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s. Bachratý, A., Bachratá, L., Suchancová, B.: Čeľustná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0. Bilický, J.: Klinická rádiológia. Bratislava: Veda, 2004. 67 s. ISBN 80-224-0799-2. Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X. Duránik, V.: Praktické cvičenia z predklinickej stomatológie. I. Bratislava: Univerzita Komenského, 1995, 1999. 64 s. Skriptá. ISBN 80-223-1361-0. Ďurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s., ISBN 80-217-0496-9. Hubáľková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9. Martinko, V.: Praktikum stomatologickej propedeutiky. Bratislava: UK, 1980. 163 s. Skriptá. Slávik, J.: Stomatologická propedeutika, záchovná časť. Košice: UP JŠ, 1992, skriptá. Svoboda, O., Adam. M., a kol.: Stomatologická propedeutika. Praha: Avicenum, 1984. 392 s. Takač, L.: Stomatologická propedeutika, protetická časť. Košice: UP JŠ, 1982, skriptá. Tvrdon, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7.
Languages necessary to complete the course: slovak/english
Notes:

Past grade distribution						
Total number of evaluated students: 7						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.						
Last change: 13.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-033z/17	Course title: Propedeutics of Dental Medicine (4)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 4 / 2 per level/semester: 60 / 30 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 4.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I; Propedeutics of Dentistry I,II, III; Preventive Dentistry I	
Course requirements: Attendance 100 % Consecutive Evaluation – test: minimum to pass: 65% Rate in the overall evaluation: 80% Individual work Rate in final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation – test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in the overall evaluation: 80% Individual work: one of the following tasks on dental model or phantom head: modelling of the occlusion templates, imprints and fabrication of models for removable denture, registration of the intermaxillary relations (templates ready in advance), fabrication of a resin crown, modelling of a complete cast crown from wax, modelling of the root superstructure, model analysis in paralelometer, plotting the anchorage components, making imprints for the fixed denture, fixation of the models in articulator by the occlusion imprint, positioning of teeth in wax for the complete removable denture (1/2 circle), surgical instrumentation, extraction techniques- phantom head. Rate in final evaluation: 20%	
Learning outcomes: Students gain complex information about the working sequence in dental practice and dental technic lab concerning fabrication of prosthetic removable replacements. They gain skills in preparation of the hard dental tissues within Cariology and Endodontics. Students understand the basics of sterilisation and disinfection. Students understand the principles of usage of RTG radiation in diagnostics. They understand the principles of local anaesthesia. They make themselves familiar with surgical instrumentation and basic extraction methods. Acquired theoretical knowledge is used at work with dental models and phantom heads.	
Class syllabus: Working Sequence in Fabrication of Crown Replacements. Working Sequence in Fabrication of Fixed Bridges and Various Types of abutment teeth.	

Working Sequence in Fabrication of Partial and Complete Removable Dentures.
 Fundamentals of Periodontology – Terminology, Instrumentation, Basics of Calculus Removal .
 Hygiene in Dental Practice.
 Disinfection and Sterilisation.
 Cold Sterilisation.
 Hot Air Sterilisation.
 Chemical Disinfection Means.
 Autoclave.
 Sterilisation in Oil.
 Extraoral RTG Projections.
 Anatomical Formations Visible in RTG Image of Mandible.
 Anatomical Formations Visible in RTG Image of Maxilla.
 Orthopantomograph – Principle and Usage.
 Principle and Usage of Tele RTG.
 Principles of Tomography.
 RTG of Teeth and Surrounding Area.
 Ciecinsky Rule and Its Usage in RTG Imaging.
 Orthoradial and Eccentric Projection.
 Protection from X-Ray Radiation – General.
 Damage Caused by X-Ray Radiation.
 Anaesthesia in Dentistry.
 Infiltration Anaesthesia, Points for Regional Anaesthesia in Maxilla and Mandible.
 Options of Extraoral Anaesthesia.
 Terminology of Surgical Performances in Oral Cavity .
 Surgical Instrumentation – Description, Usage, Extraction, Extraction Pliers and Levers .
 Extraction of Teeth Using Pliers and Levers – Technique and Description of Performance.
 Complications of Extraction Performance.
 Instrumentary, Material and Working Sequence in Wound Sewing.

Recommended literature:

Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983, 222 s.
 Andrik, P. a kol.: Čeľustná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s.
 Bachratý, A., Bachratá, L., Suchancová, B.: Čeľustná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.
 Bilický, J.: Klinická rádiológia. Bratislava: Veda, 2004. 67 s. ISBN 80-224-0799-2.
 Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X.
 Duránik, V.: Praktické cvičenia z predklinickej stomatológie. I. Bratislava: Univerzita Komenského, 1995, 1999. 64 s. Skriptá. ISBN 80-223-1361-0.
 Ďurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s. ISBN 80-217-0496-9.
 Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987. 180 s.
 Hellwig, E., Klimek, J., Attin, T.: Zábovní stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4.
 Hubáľková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9.
 Martinko, V.: Praktikum stomatologickej propedeutiky. Bratislava: UK, 1980. 163 s. Skriptá.
 Slávik, J.: Stomatologická propedeutika, zábovní časť. Košice: UP JŠ, 1992, skriptá.
 Svoboda, O., Adam, M., a kol.: Stomatologická propedeutika. Praha: Avicenum, 1984. 392 s.
 Takač, L.: Stomatologická propedeutika, protetická časť. Košice: UP JŠ, 1982, skriptá.

Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s.
 Tvrdoň, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006.
 580 s. ISBN 80-969-524-4-4-7.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 0

A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.

Last change: 13.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-042/17	Course title: Propedeutics of Dental Medicine (4)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 4 / 2 per level/semester: 60 / 30 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I; Propedeutics of Dentistry I,II, III; Preventive Dentistry I	
Course requirements: Attendance 100 % Consecutive Evaluation – test: minimum to pass: 65%. Rate in the overall evaluation: 80% Individual work : one of the following tasks on dental model or phantom head: modelling of the occlusion templates, imprints and fabrication of models for removable denture, registration of the intermaxillary relations (templates ready in advance), fabrication of a resin crown, modelling of a complete cast crown from wax, modelling of the root superstructure, model analysis in paralelometer, plotting the anchorage components, making imprints for the fixed denture, fixation of the models in articulator by the occlusion imprint, positioning of teeth in wax for the complete removable denture (1/2 circle), surgical instrumentation, extraction techniques- phantom head. Rate in final evaluation: 20% Scale of assessment (preliminary/final): Consecutive Evaluation – test: minimum to pass: 65%Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in the overall evaluation: 80%Individual work: rate in the overall evaluation: 20 %	
Learning outcomes: Students gain complex information about the working sequence in dental practice and dental technic lab concerning fabrication of prosthetic removable replacements. They gain skills in preparation of the hard dental tissues within Cariology and Endodontics. Students understand the basics of sterilisation and disinfection. Students understand the principles of usage of RTG radiation in diagnostics. They understand the principles of local anaesthesia. They make themselves familiar with surgical instrumentation and basic extraction methods. Acquired theoretical knowledge is used at work with dental models and phantom heads	
Class syllabus: Working Sequence in Fabrication of Crown Replacements. Working Sequence in Fabrication of Fixed Bridges and Various Types of abutment teeth. Working Sequence in Fabrication of Partial and Complete Removable Dentures. Fundamentals of Periodontology – Terminology, Instrumentation, Basiscs of Calculus Removal .	

Hygiene in Dental Practice.
 Disinfection and Sterilisation.
 Cold Sterilisation.
 Hot Air Sterilisation.
 Chemical Disinfection Means.
 Autoclave.
 Sterilisation in Oil.
 Extraoral RTG Projections.
 Anatomical Formations Visible in RTG Image of Mandible.
 Anatomical Formations Visible in RTG Image of Maxilla.
 Orthopantomograph – Principle and Usage.
 Principle and Usage of Tele RTG.
 Principles of Tomography.
 RTG of Teeth and Surrounding Area.
 Cieczinsky Rule and Its Usage in RTG Imaging.
 Orthoradial and Eccentric Projection.
 Protection from X-Ray Radiation – General.
 Damage Caused by X-Ray Radiation.
 Anaesthesia in Dentistry.
 Infiltration Anaesthesia, Points for Regional Anaesthesia in Maxilla and Mandible.
 Options of Extraoral Anaesthesia.
 Terminology of Surgical Performances in Oral Cavity .
 Surgical Instrumentation – Description, Usage, Extraction, Extraction Pliers and Levers .
 Extraction of Teeth Using Pliers and Levers – Technique and Description of Performance.
 Complications of Extraction Performance.
 Instrumentary, Material and Working Sequence in Wound Sewing.

Recommended literature:

Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983, 222 s.
 Andrik, P. a kol.: Čelústná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s.
 Bachratý, A., Bachratá, L., Suchancová, B.: Čelústná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.
 Bilický, J.: Klinická rádiológia. Bratislava: Veda, 2004. 67 s. ISBN 80-224-0799-2.
 Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X.
 Duránik, V.: Praktické cvičenia z predklinickej stomatológie. I. Bratislava: Univerzita Komenského, 1995, 1999. 64 s. Skriptá. ISBN 80-223-1361-0.
 Ďurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s. ISBN 80-217-0496-9.
 Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987. 180 s.
 Hellwig, E., Klimek, J., Attin, T.: Záchovní stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4.
 Hubáľková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9.
 Martinko, V.: Praktikum stomatologickej propedeutiky. Bratislava: UK, 1980. 163 s. Skriptá.
 Slávik, J.: Stomatologická propedeutika, záchovní časť. Košice: UP JŠ, 1992, skriptá.
 Svoboda, O., Adam, M., a kol.: Stomatologická propedeutika. Praha: Avicenum, 1984. 392 s.
 Takač, L.: Stomatologická propedeutika, protetická časť. Košice: UP JŠ, 1982, skriptá.
 Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s.

Tvrdoň, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7.

Languages necessary to complete the course:
english

Notes:

Past grade distribution

Total number of evaluated students: 10

A	ABS0	B	C	D	E	FX
70,0	0,0	20,0	10,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.

Last change: 11.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-097/17	Course title: Propedeutics of Dental Medicine (5)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 4 / 2 per level/semester: 60 / 30 Form of the course: on-site learning	
Number of credits: 6	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Materials and Technologies in Dentistry I; Propedeutics of Dentistry I,II, III, IV; Preventive Dentistry I	
Course requirements: Attendance 100 % Consecutive Evaluation- test: minimum to pass: 65% Individual work: rate in final evaluation: 20% Final Evaluation in form of the theoretical oral exam. Scale of assessment (preliminary/final): Consecutive Evaluation- test: minimum to pass: 65% Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Final Evaluation in form of the theoretical oral exam. Rate in final evaluation: 80% Individual work: one of the following tasks on dental model or phantom head: modelling of the occlusion templates, imprints and fabrication of models for removable denture, registration of the intermaxillary relations (templates ready in advance), fabrication of a resin crown, modelling of a complete cast crown from wax, modelling of the root superstructure, model analysis in paralelometer, plotting the anchorage components, making imprints for the fixed denture, fixation of the models in articulator by the occlusion imprint, positioning of teeth in wax for the complete removable denture (1/2 circle), surgical instrumentation, extraction techniques-phantom head. Rate in final evaluation: 20%	
Learning outcomes: Students acquire basic information about the problematics of maxillary orthopaedic anomalies. They make themselves familiar with causes of occurrence, classification systems and diagnostic actions. Students understand the actions of analysis of cephalometric images. Students understand the principles of usage of RTG radiation in diagnostics. They understand the principles of local anaesthesia. They make themselves familiar with surgical instrumentation and basic extraction methods. Acquired theoretical knowledge is used at work with dental models and phantom heads.	
Class syllabus: Extraoral RTG Projections Anatomical Formations Visible in RTG Image of Mandible Anatomical Formations Visible in RTG Image of Maxilla	

Orthopantomograph – Principle and Usage
 Principle and Usage of Tele RTG
 Principles of Tomography
 RTG of Teeth and Surrounding Area
 Cieczinsky Rule and Its Usage in RTG Imaging
 Orthoradial and Eccentric Projection
 Protection from X-Ray Radiation – General
 Damage Caused by X-Ray Radiation
 Eugnathia and Disgnathia
 Causes of Maxillary Orthopaedic Anomalies
 Developmental Aberrances of the Teeth, Dental Arches and Intermaxillary Relations
 Classification System in Diagnostics of Anomalies
 Maxillary Orthopaedic Therapy Generally, Basic Types of Maxillary Orthopaedic Apparati
 Fixed and Removable Orthodontic Apparati, Indications, Contraindications
 Removable Orthodontic Apparati, Indications, Construction Elements
 Materials Used in Maxillary Orthopaedics
 Anaesthesia in Dentistry
 Infiltration Anaesthesia, Points for Regional Anaesthesia in Maxilla and Mandible
 Options of Extraoral Anaesthesia
 Terminology of Surgical Performances in Oral Cavity
 Surgical Instrumentation – Description, Usage, Extraction, Extraction Pliers and Levers
 Extraction of Teeth Using Pliers and Levers – Technique and Description of Performance
 Complications of Extraction Performance
 Instrumentary, Material and Working Sequence in Wound Sewing

Recommended literature:

Andrik, P. a kol.: Stomatologická protetika. Martin: Osveta, 1983, 222 s.
 Andrik, P. a kol.: Čelústná ortopédia □ Ortodoncia. Martin: Osveta, 1981. 221 s.
 Bachratý, A., Bachratá, L., Suchancová, B.: Čelústná ortopédia. 4., uprav. vyd. Bratislava: Univerzita Komenského, 2006. 88 s. ISBN 80-223-2073-0.
 Bilický, J.: Klinická rádiológia. Bratislava: Veda, 2004. 67 s. ISBN 80-224-0799-2.
 Bitner, J., Bartáková, V.: Protetická technológia. Martin: Osveta, 1992. 237 s. ISBN 80-217-0392-X.
 Duránik, V.: Praktické cvičenia z predklinickej stomatológie. I. Bratislava: Univerzita Komenského, 1995, 1999. 64 s. Skriptá. ISBN 80-223-1361-0.
 Ďurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993. 250 s. ISBN 80-217-0496-9.
 Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987. 180 s.
 Hellwig, E., Klimek, J., Attin, T.: Záchovní stomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4.
 Hubálková, H., Krňoulová, J.: Materiály a technologie v protetickém zubním lékařství. Praha: Galén, 2009. 301 s. ISBN 978-80-7262-581-9.
 Martinko, V.: Praktikum stomatologickej propedeutiky. Bratislava: UK, 1980. 163 s. Skriptá.
 Slávik, J.: Stomatologická propedeutika, záchovní časť. Košice: UP JŠ, 1992, skriptá.
 Svoboda, O., Adam, M., a kol.: Stomatologická propedeutika. Praha: Avicenum, 1984. 392 s.
 Takač, L.: Stomatologická propedeutika, protetická časť. Košice: UP JŠ, 1982, skriptá.
 Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s.
 Tvrdoň, M. a kol.: Protetická stomatológia: liečba a prevencia. Bratislava: Science, 2001, 2006. 580 s. ISBN 80-969-524-4-4-7.

Languages necessary to complete the course:						
Notes:						
Past grade distribution						
Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Dagmar Statelová, CSc., MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD.						
Last change: 07.12.2017						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.PK/2-JZL-050/15	Course title: Psychiatry
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 7.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Medical psychology and basics of communication	
Course requirements: active participation in practicals - permanent study check (control question), examination of patients, case reports and analysis, favourable results during running controls, written test, practical exam, oral exam – minimal success 65 %; rating: A/1 = 93 – 100 %; B/1,5 = 86 – 92 %; C/2 = 79 – 85 %; D/2,5 = 72 – 78 %; E/3 = 65 – 71 %, Fx = less than 65 %	
Learning outcomes: After completion of the subject the student has a knowledge in basics of general psychiatry –etiopathogenesis, diagnostic methods and treatment of psychiatric disorders and general psychopathology. Student has a knowledge in basics of special psychiatry – student is able to understand specific mental disorders. Student is skilled in basic diagnostics, differential diagnostics and therapy of specific groups of mental disorders. He/she has knowledges about legal status of mentally ill. Student fulfils requirements for basics of communication with mentally ill patients. Student is able to perform basic examination aimed to patient's history and disturbed mental functions.	
Class syllabus: Characteristics and content of psychiatry, etiopathogenesis of psychiatric disorders General psychopathology / disturbances of perception, disturbances of emotivity, thinking, volitional acting, consciousness, memory, intellect and personality/ Diagnostics, treatment and rehabilitation of psychiatric disorders Some organizational, law and ethical aspects Schizophrenia, schizotypal disorders and other psychotic disorders Affective (mood) disorders Organic mental disorders including symptomatic mental disorders Psychogenic (stress-related) mental disorders Problematics of drug dependences Some specific mental disorders / child psychiatry, gerontopsychiatry/	
Recommended literature:	

Kolibáš, E. a kol. Všeobecná psychiatria. Bratislava: UK, 2007. 183 s. ISBN 978-80-223-2388-8
 Novotný, V. kol. Špeciálna psychiatria. Bratislava: UK, 2010. 248 s. ISBN 978-80-223-2624-7
 Höschl, C. a kol. Psychiatrie. Praha: Tigris, 2004. 883 s. ISBN 80-900130-1-5
 Raboch, J., Zvolský, P. a kol. Psychiatrie. Praha: Galén, 2001. 622 s. ISBN 80-246-0390-X
 Dušek, K., Večeřová-Procházková, A. První pomoc v psychiatrii. Praha: Grada Publishing, 2005. 176 s. ISBN 80-247-0197-9
 Hort, V. a kol. Dětská a adolescentní psychiatrie. Praha: Portál, 2000. 496 s. ISBN 80-7178-472-9

Languages necessary to complete the course:

Slovak

Notes:

Past grade distribution

Total number of evaluated students: 25

A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Igor Ondrejka, PhD., MUDr. Milena Drímalová, CSc., MUDr. PhDr. Igor Hrtánek, PhD.

Last change: 16.09.2016

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚVZ/2-JZL-046/15	Course title: Public Health
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 7.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Scale of assessment (preliminary/final): 100/100	
Learning outcomes: After completion of the subject the student understands the role of epidemiology, hygiene and social medicine (preventive medicine branches) within public health and in advocacy of regional and national health politics. The student understands identification, monitoring and control of physical, chemical, biological and psychosocial factors that influence environmental and occupational health. The student understands epidemiological methods of work, principles of epidemic process, chronic diseases, preventive programs, preventive and repressive measures controlling occurrence of these diseases. The student understands organization of health care, taking care of population health, health education, essential health related legislative norms and relevant laws. The student is able to apply knowledge on monitoring of population health, its indicators, morbidity, mortality, social determinants of health, and health statistics in dentistry practice.	
Class syllabus: Public Health – history, goals. Public Health in Slovakia – aim, goals, tasks, cooperation. International Public Health. The role of hygiene, epidemiology and social medicine within public health. Hospital Hygiene. Hygiene-epidemiological regime in dentistry facilities. Epidemiology of infectious and chronic non-communicable diseases. Living and occupational environment – risk factors and their impact on population health. National health promotion program. Preventive programs. Methodology in public health. Using of epidemiological methods in dentistry practice. Organization, management and financing of health care system and public health in Slovakia, health insurance companies. State health policy – goals and programs in Slovakia.	
Recommended literature: OBLIGATORY LITERATURE: HUDEČKOVÁ, H., ŠVIHROVÁ, V.: Očkovanie. Martin, Osveta, 2013, 221 s. ISBN 978-80-80633-96-7	

ROVNÝ, I. a kol.: Vybrané kapitoly verejného zdravotníctva II. Turany, P+M, 2013, 896 s., ISBN 978-80-89057-44-3

ROVNÝ, I. a kol.: Vybrané kapitoly verejného zdravotníctva I. Turany, P+M, 2011, 592 s., ISBN 978-80-89057-33-7

ŠEVČÍKOVÁ, L. a kol.: Hygiena. Univerzita Komenského v Bratislave, Vydavateľstvo UK 2006, 328 s., ISBN 80-223-2103-6

BENCKO, V. a kol.: Hygiena. Učebné texty k seminárom a praktickým cvičením. Praha, UK Praha – Nakladatelství Karolinum 2002, 205 s.

MÜLLEROVÁ, D.: Zdravá výživa a prevence civilizačních nemocí ve schématech. Praha, Triton 2003, 99 s.

BUCHANCOVÁ, J., KLIMENTOVÁ, G., ŠULCOVÁ, M., FABIANOVÁ, E.: Pracovné lekárstvo a toxikológia, Osveta, Martin 2003, 1133 s. ISBN 80 8063-113-1.

ŠAGÁT T. Organizácia zdravotníctva. Martin: Osveta, 2004. 210 s. ISBN 80-8063-143-3.

JURKOVIČOVÁ, J. a kol. Praktické cvičenia z hygieny. Bratislava: UK, 2010, 330 s. ISBN 978-80-223-2816-6

RECOMMENDED LITERATURE:

BAZOVSKÁ S., a kol.: Epidemiológia pre študentov zubného lekárstva. UK Bratislava, vytlačilo Polygrafické stredisko UK v Bratislave, 136 s., ISBN 978-80-223-2716-9

TUČEK, M., CIKRT, M., PELCLOVÁ, D. Pracovní lékařství pro praxi. Příručka s doporučenými standardy, Praha: Grada, 2005. 328 s.

ŠTEFKOVIČOVÁ M.: Hygienické kompendium stomatológa, Skalica, Didaktik 2005, 74 s., ISBN 80-969379-4-4

Zákony: 576/2004; 577/2004; 578/2004; 579/2004; 580/2004; 581/2004 a ich novelizácie.

Languages necessary to complete the course:

slovak, czech

Notes:

Past grade distribution

Total number of evaluated students: 25

A	ABS0	B	C	D	E	FX
84,0	0,0	12,0	4,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Henrieta Hudečková, PhD., MPH, doc. MUDr. Tibor Baška, PhD., prof. MUDr. Viera Švihrová, CSc.

Last change: 08.09.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.RK/J-S-ZL-032/17	Course title: Radiology of Orofacial Region
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 1. Mandatory requirements are: 100 % attendance of clinical practices and at least 8 lectures. It is necessary to write an essay for each missed practicum (the same topic; at least 2000 words). 2. During semester, students can be evaluated by short written test anytime (at least 60 % success rate is mandatory; A: 95 % - 100 %, B: 88 % - 94 %, C: 77 % - 87 %, D: 66 % - 76 %, E: 60 % - 65 %). 3. Practical exam (last practicum) 4. Final oral exam (3 questions). No question can be graduated by FX to pass the exam successfully	
Learning outcomes:	
Class syllabus:	
Recommended literature: MANDATORY LITERATURE 1.Krejčí P. a kol.Dentální radiologie, Univerzita Palackého v Olomouci,2009,ISBN: 80-244-1452-X 2.Friedrich A., et. al.Stomatologická radiologie - kapesní atlas,Grada2007,ISBN 978-80-247-1307-6 3.Heřman M.Základy radiologie,Univerzita Palackého v Olomouci,2014,ISBN 9788024429014 4.Đurovič E., et. al.Atlas stomatologickej rádiodiagnostiky,Osveta 1993,ISBN 80-217-0496-9 Additional literature 5.Minčík J., Kariológia, Vydavateľstvo Jes,2014, ISBN 978-80-88-900-62-7 6.Kamínek M.,et.al, Ortodoncie, Galén, 2014, ISBN 978-80-7492-112-4 7.Hellwig E.,Klimek J.,Attin T., Záchovná stomatologie a parodontologie, Grada, 2003, ISBN 80-247-0311-4 8.Pazdera Jindřich a kol., Základy ústní a čelistní traumatologie, Univerzita Palackého v Olomouci, 2014, ISBN 978-80-244-3981-5 9.Hirjak D.,Machoň V., Traumatológia skeletu tváre,Slovensko,s.r.o., 2014, ISBN 978-80-971444-0-1 10.Malachovský I.,Statelová D., Diagnostika a liečba chorôb temporomandibulárneho kĺbu, Mgr.Libuša Chrásteková-vydavateľstvo,2011, ISBN 978-80-970665-0-5 11.Whaites Eric,Drage Nicolas, Essentials of Dental Radiography and Radiology-5th Edition, Elsevier, 2013,ISBN 9780702045998	

12. White Stuart, Pharoah Michael, Oral Radiology, 7th Edition-Principles and Interpretation, Elsevier, 2014, ISBN 978-0-323-09633-1
13. Angus C. Cameron, Richard P. Widmer, Handbook of Pediatric Dentistry, 4th Edition, Elsevier, 2013, ISBN 9780723436959
14. Herbert Frommer, Jeanine Stabulas-Savage, Radiology for the Dental Professional-9th Edition, Elsevier, 2011, ISBN 9780323064019
15. MacDonald D., Oral and Maxillofacial Radiology: A Diagnostic Approach, Wiley-Blackwell, 2011, ISBN 9780813814148
16. Koenig L., et al., Diagnostic Imaging: Oral and Maxillofacial, Amirsys, 2011, ISBN 9781931884204
17. Ferda J., et al., Základy zobrazovacích metod, Galén, 2015, ISBN 978-80-7492-164-3
18. Ferda J., et al., Inovativní zobrazovací metody, Galén, 2015, ISBN 987-80-7492-186-5
19. Kovaľová E., et al., Dentálna rádiografia v praxi, Pavol Šidelský-Akcent print, ISBN 80-969274-7-7
20. Hořejš J., et al., Stomatologická rentgenologie, Avicenum, 1985
21. Adam A., et al., Grainger & Allison's Diagnostic Radiology, 6th Edition, Churchill Livingstone Elsevier, 2015, ISBN 978-0-7020-4295-9
22. Geschwind J., et al., Abrams Angiography: Interventional Radiology-3rd edition, Lippincott Williams and Wilkins, 2013, ISBN 13 978-1609137922
23. Zeleňák K., et al., Radiology Imaging Techniques of Brain tumors, InTech, 2013 DOI: 10.5772/53470
<http://www.intechopen.com/books/clinical-management-and-evolving-novel-therapeutic-strategies-for-patients-with-brain-tumors/radiology-imaging-techniques-of-brain-tumours>
24. Krajina A., et al., Therapeutic Embolization of Cranial Tumors, Diagnostic Techniques and Surgical Management of Brain Tumors, InTech, 2011, DOI: 10.5772/19639
<http://www.intechopen.com/books/diagnostic-techniques-and-surgical-management-of-brain-tumors/therapeutic-embolization-of-cranial-tumors>

Languages necessary to complete the course:

Slovak language

Notes:

Past grade distribution

Total number of evaluated students: 10

A	ABS0	B	C	D	E	FX
50,0	0,0	40,0	0,0	10,0	0,0	0,0

Lecturers: doc. MUDr. Kamil Zeleňák, PhD.

Last change: 27.02.2018

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚVZ/J-S-ZL-041/17	Course title: Research Preparation
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1,5 / ,5 per level/semester: 22,5 / 7,5 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Evaluation of students is provided through development of a bibliographic search of original research articles and critical appraisal analysis of the references. Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Scale of assessment (preliminary/final): 100/0	
Learning outcomes: After completion of the subject the student understands principles of the scientific dealing with problems in laboratory, clinical and population research in medical sciences. He/she is able to retrieve and critically appraise scientific information, he/she knows basic methods of empiric data collection, study design, standard formal structure of the scientific work and understands principles of scientific communication and scientometry.	
Class syllabus: Fundaments and structure of a modern science Scientific and non-scientific methods – kinds and characteristics Methods of scientific data collection Methods of processing and analyzing scientific information Research process and its phases Kinds of research and development of research project Ethics of scientific work and presentation of results Evidence based medicine Types of scientific and expert publications Student scientific and expert work at the Jessenius Faculty of Medicine, Comenius University in Martin	
Recommended literature: Hulín I et al.: Úvod do vedeckého bádania. Slovak Academic Press Bratislava, 2003, 553s Hanáček J, Javorka K a kol. Základy vedecko-výskumnej práce. Príručka pre doktorandov a mladých vedeckých pracovníkov. Osveta Martin, 1. vydanie, 2008 https://moodle.uniba.sk/ https://www.ncbi.nlm.nih.gov/pubmed/ www.scopus.com	

Languages necessary to complete the course: Slovak, Czech, English						
Notes:						
Past grade distribution Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Tibor Baška, PhD., prof. MUDr. Jarmila Procházková, CSc.						
Last change: 15.03.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ChKTC/2-JZL-SS2/16	Course title: Surgery
Number of credits: 0	
Educational level: I.II.	
State exam syllabus:	
Last change:	
Approved by: prof. MUDr. Jarmila Procházková, CSc.	

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ChKTC/2-JZL-048/15			Course title: Surgery (1)			
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 30 / 15 Form of the course: on-site learning						
Number of credits: 4						
Recommended semester: 7.						
Educational level: I.II.						
Prerequisites:						
Recommended prerequisites: surgical propaedeutic 1,2.						
Course requirements: Scale of assessment (preliminary/final): Continuous assessment of students takes the form of a written examination-test, minimum threshold of success: 65 %. Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less						
Learning outcomes: Student knows the diseases of the thoracic cavity and mediastinum, arterial and venous system diseases, thromboembolic and surgical heart diseases. Knows the principles of transplantation and donor program, familiar diseases of the endocrine glands, which are treated surgically.						
Class syllabus: Surgical diseases of thoracic cavity and mediastinum. Arterial and venous system diseases, thromboembolic diseases, surgical diseases of the heart. Transplantation and donor program. Surgical diseases of the endocrine glands.						
Recommended literature: Siman, J. a kol. Princípy chirurgie. Bratislava: SAP, 2007. 923 s. ISBN 8089104940 Way L.W. a kol.: Současná chirurgická diagnostika a léčba, I.,II. Praha, Grada, 1998, 1659s. Ferko A. a kol. : Chirurgie v kostce. Grada Publishing. spol.s.r.o. 2002, 598s. Muller M. a spol. : Chirurgie pro studium a praxi. Praha, Publishing, 1997, 441 s.						
Languages necessary to complete the course: slovak language						
Notes:						
Past grade distribution Total number of evaluated students: 25						
A	ABS0	B	C	D	E	FX
84,0	0,0	16,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Ľudovít Laca, PhD.						

Last change: 25.01.2018
Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ChKTC/2-JZL-056/15	Course title: Surgery (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 30 / 15 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 8.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: surgery 1	
Course requirements: Scale of assessment (preliminary/final): Continuous assessment of students takes the form of a written examination-test, minimum threshold of success: 65 %. Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less	
Learning outcomes: Student after completing the course knows the problems of acute abdomen, the issue of diseases of the stomach, small intestine, colon, liver disease, gallbladder, biliary tract and pancreas. Know the issues of hernia and specificities of Pediatric Surgery.	
Class syllabus: Acute abdomen, Surgical diseases of the stomach, small and large intestine, liver, gallbladder, biliary tract and pancreas. Hernias. Specificities of Pediatric Surgery.	
Recommended literature: Siman, J. a kol. Princípy chirurgie. Bratislava: SAP, 2007. 923 s. ISBN 8089104940 Laca Ľ. : Ochrenie pečene, žlčových ciest a pankreasu. Učebné texty z chirurgie pre študijný odbor všeobecné lekárstvo. I. vydanie. Neografia a.s. martin 2009, 120 s. Way L.W. a kol.: Současná chirurgická diagnostika a léčba, I.,II. Praha, Grada, 1998, 1659s. Ferko A. a kol. : Chirurgie v kostce. Grada Publishing. spol.s.r.o. 2002, 598s. Muller M. a spol. : Chirurgie pro studium a praxi. Praha, Publishing, 1997, 441 s. Černý,J.: Chirurgia tráviacej rúry, Martin,Osveta,1998,497 s. Černý,J.: Špeciálna chirurgia 2,Martin, Osveta,1992,584 s.	
Languages necessary to complete the course: slovak language	
Notes:	

Past grade distribution						
Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Ľudovít Laca, PhD.						
Last change: 25.01.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ChKTC/2-JZL-066/16	Course title: Surgery (3)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 30 / 30 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: surgery 2	
Course requirements: Scale of assessment (preliminary/final): Student Assessment takes the form of a written examination-test, the threshold of success:65 %. Rating: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % a menej	
Learning outcomes: The student knows the priority treatment in multiple trauma, controls the principles of diagnosis and treatment for injuries of the chest, abdomen and extremities. Familiar with the concept of orthopedics control principles for the assessment of morphology and function of the musculoskeletal system. He knows urological diseases, their diagnosis and treatment principles. Knows the content, diagnostic and therapeutic procedures in plastic surgery and neurosurgery.	
Class syllabus: Priority treatment for multiple traumas, injuries of the chest and intrathoracic organs, closed and open abdominal injury, characteristics of joint and bones injuries, injuries in the soft parts of extremities. Orthopedics - definition, concept and content. Role of muscle -skeletal system in the body, principles for the assessment of morphology and function of the muscle -skeletal system. Urology as a medical discipline, content, content, diagnostic and therapeutic procedures. Neurosurgery and plastic surgery, content of diagnostic and therapeutic procedures.	
Recommended literature: Breza, J. a kol. Všeobecná a špeciálna urológia pre poslucháčov lekárskech fakúlt. Bratislava: UK, 2004. 259 s. ISBN 80-223-1907-4 Tanagho, E.A.McAninch, J.W.: Smithova všeobecná urológia. Martin: Osveta, 2006. 773 s. ISBN 80-8063-206-5 Kalman, E. Traumatológia končatín a chrbtice. Bratislava: UK, 1988. 94 s. Skriptá. Zeman, M. Obvazová a sádrovací technika. Praha: Avicenum, 1985. 231 s. Sosna, A. a kol. Základy ortopédie. Praha: Triton ,2001. 175 s. ISBN 80-7254-202-8 Dungl, P. a kol. Ortopedie. Praha: Grada, 2005. 1273 s. ISBN 80-247-0550-8	

Náhlovský, J. et al. Neurochirurgie. Praha: Galén, 2006. 606 s. ISBN 80-7262-319-2						
Languages necessary to complete the course: slovak language						
Notes:						
Past grade distribution Total number of evaluated students: 16						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Ľudovít Laca, PhD.						
Last change: 25.01.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ChKTC/2-JZL-078/17		Course title: Surgery (4)				
Educational activities: Type of activities: practicals Number of hours: per week: 4 per level/semester: 60 Form of the course: on-site learning						
Number of credits: 2						
Recommended semester: 10.						
Educational level: I.II.						
Prerequisites:						
Recommended prerequisites: surgery 3						
Course requirements: Scale of assessment (preliminary/final): Student Assessment takes the form of a written examination-test, the threshold of success:65 %. Rating: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % a menej						
Learning outcomes: Graduates have a comprehensive knowledge of surgical disciplines.						
Class syllabus: Within the block of the course work in the department, and outpatient clinics operating rooms in position as a younger secondary physician. Participate in ward rounds, seminars, assistance in operations; make small diagnostic and therapeutic interventions.						
Recommended literature: Černý,J.: Chirurgia tráviacej rúry, Martin,Osveta, 1998, 497 s. Černý,J.: Špeciálna chirurgia 2,Martin, Osveta,1992,584 s. Zvrara,V. a kol.: Špeciálna urológia,UK,1992.104s.Skriptá Schnorrer,M.a kol.: Špeciálna chirurgia pre stomatológov. Bratislava:UK,1987, 227s Zeman,M.a kol.: Chirurgická propedeutika.Praha.Građa 1993.487s.						
Languages necessary to complete the course: slovak language						
Notes:						
Past grade distribution Total number of evaluated students: 9						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Ľudovít Laca, PhD.						

Last change: 25.01.2018
Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ChKTC/J-S-ZL-027/17	Course title: Surgical Propedeutics (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 5.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Anatomy – stomatology 2	
Course requirements: Scale of assessment (preliminary/final): Student Assessment takes the form of a written examination-test, the threshold of success: 60 %. Rating: A: 95–100 %, B: 85–90 %, C: 75–80 %, D: 65–70 %, E: 60 %, FX: less than 60 %	
Learning outcomes: The student knows the operation of the surgical ward can investigate the surgical patient and keep documentation. Can indicate non-invasive and invasive tests and the results can be interpreted. Knows the patient preparation for surgery, the principles of local and general anesthesia, know the basics of surgery procedures and postoperative care.	
Class syllabus: History of Surgery (breakthrough period, important personalities in surgery). Division of surgery and principles of surgical treatment, indications for surgical treatment. Basic surgical techniques and procedures. Minimally invasive surgery. Asepsis, antisepsis, sterilization, disinfection. History and physical examination of the surgical patient. Invasive and non-invasive diagnostic methods in the investigation of the surgical patient. Operational risk. Principles of preoperative preparation. Reaction of the organism to injuries and surgical trauma. Changes in the homeostasis of the organism after injury and surgery. Post-operative care and post-operative complications - (CNS, cardiovascular, pulmonary, renal, GI, wound et al.). Shock - definition, classification, and pathophysiology of shock. Monitoring. Prevention and treatment of shock. Nutritional disorders in surgical patients. Enteral and parenteral nutrition. Complications of parenteral nutrition. Hemostatic mechanism and its failure in surgical patients. Antiplatelet, anticoagulant and fibrinolytic therapy. Blood transfusion, blood derivatives, alternative solutions. Indications, risks and complications of blood transfusions and blood products.	
Recommended literature: Zeman, M. Chirurgická propedeutika. Praha: Grada, 2006. 524 s. ISBN 80-7169-705-2	

Siman, J. a kol. Princípy chirurgie. Bratislava: SAP, 2007. 923 s. ISBN 8089104940						
Languages necessary to complete the course: slovak language						
Notes:						
Past grade distribution Total number of evaluated students: 10						
A	ABS0	B	C	D	E	FX
40,0	0,0	20,0	40,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Ľudovít Laca, PhD.						
Last change: 25.01.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ChKTC/J-S-ZL-040/17	Course title: Surgical Propedeutics (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 6.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: surgical propaedeutic 1	
Course requirements: Scale of assessment (preliminary/final): Continuous assessment of students takes the form of a written examination-test, minimum threshold of success: 65 %. Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less	
Learning outcomes: Student knows the principles of asepsis, antisepsis and sterilization, is familiar with surgical infections, knows the principles of diagnosis and treatment of surgical infections. Knows injuries of the soft tissues, bones, knows the principles of wound care. Knows the basic principles of surgical oncology and surgical treatment. Knows the basic methods of minimally invasive surgery. Student knows preparation of patient before the operation, principles of local and general anesthesia.	
Class syllabus: Infections in surgery - surgical sources of infection. Nosocomial infections. Bacteremia, sepsis, SIRS, multiorgan failure in sepsis. Factors affecting the occurrence and course of infection. Prevention, diagnosis and treatment of surgical infections. Chemotherapy and antibiotic treatment, the principle of prophylactic and therapeutic administration of antibiotics. Bacteriological monitoring. Pyogenic infections of wounds, lymphangitis, lymphadenitis, hidrosadenitis, cellulitis, abscess, osteomyelitis, anaerobic infection, gas phlegmon, folliculitis, furuncle, carbuncle, cheilitis. Post-operative infections. Inflammatory diseases of the fingers and hand. Growth and spread of malignant tumors, diagnosis, treatment, primary and secondary prevention of tumors. Basics of the oncological surgery. Classification of tumors. Ethical problems in surgery, legal aspects in surgery, surgical assessment activities. Blood transfusion, blood derivatives, alternative solutions. Indications, risks and complications of administration transfusion and blood derivatives. Infections in surgery - surgical sources of infection. Nosocomial infections. Bacteremia, sepsis, SIRS, multiorgan failure in sepsis. Factors affecting the occurrence and course of infection. Prevention, diagnosis and treatment of surgical infections. Chemotherapy and antibiotic treatment, the principle of prophylactic and therapeutic administration of antibiotics. Bacteriological monitoring. Pyogenic wound infections, lymphangitis, lymphadenitis, hidrosadenitis, cellulitis, abscess, osteomyelitis, anaerobic infection, gas cellulitis, folliculitis, furuncle, carbuncle, cheilitis.	

Post-operative infections. Inflammatory diseases of the fingers and hand. Growth and spread of malignant tumors, diagnosis, treatment, primary and secondary prevention of tumors. Basics of the oncological surgery. Classification of tumors. Transplantation and donor program, immunological aspects. Ethical problems in surgery, legal aspects in surgery.						
Recommended literature: Zeman, M. Chirurgická propedeutika. Praha: Grada, 2006. 524 s. ISBN 80-7169-705-2 Siman, J. a kol. Princípy chirurgie. Bratislava: SAP, 2007. 923 s. ISBN 8089104940						
Languages necessary to complete the course: slovak language						
Notes:						
Past grade distribution Total number of evaluated students: 10						
A	ABS0	B	C	D	E	FX
90,0	0,0	10,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Ľudovít Laca, PhD., doc. MUDr. Ivana Dedinská, PhD., prof. MUDr. Alexander Ferko, CSc., MUDr. Michal Hošala, PhD., MUDr. Ján Janík, PhD., MUDr. Marek Malík, MUDr. Marek Smolár, PhD., MPH						
Last change: 25.01.2018						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/2-JZL-SS5/17	Course title: Therapeutic Dental Medicine
Number of credits: 5	
Educational level: I.II.	
Recommended prerequisites: J-S-ZL-093 Conservative Dentistry, Endodontics 6, J-S-ZL-091 Parodontology 3, J-S-ZL-092 Pediatric Dentistry 3	
Course requirements: The final assessment of the students takes the form of a practical state examination and a theoretical oral examination. The part of the practical state exam on the total is 20%. The part of the theoretical oral examination in the overall assessment is 80%. Independent practical work (one of the following exercises): Division of black cavities according to Black, preparation of hard tooth tissues, access and opening of the caries locality, creation of cavity contour and preventative cavity extension, anchoring - filling retention, resistance - tooth and fill resistance, remove all caries residuals, enamel walls and edges, toilet and final cavity control, caries treatment - I. class, caries treatment -II. class, caries treatment -III. class, caries treatment -IV. class, cervical caries treatment - V. grade (permanent teeth, deciduous teeth, teeth with undeveloped development). Indirect overlaying of the pulp, direct overlay of the pulp .Vitality and mortality. Pulp- amputation, pulp- extirpation, therapy with infected root canal, mechanical treatment of infected root canal, chemical-medication treatment of root canals, single/multiple - step treatment of infected root canal. Endodontic treatment of deciduous teeth and permanent teeth with incomplete development. Patient examination with diseases of periodontal tissues, PBI indexes, CPITN. The plan of the periodontal disease: the preservation phase of the treatment, the maintenance phase of the treatment. Motivation and instruction of the patient in the treatment of inflammation of the periodontal tissues. Removing tartar and soft coatings. Scale of assessment (preliminary/final): The final assessment of the students takes the form of a practical state examination and a theoretical oral examination.The part of the practical state exam on the total is 20%.The part of the theoretical oral examination in the overall assessment is 80%.Independent practical work (one of the following exercises): Division of black cavities according to Black, preparation of hard tooth tissues, access and opening of the caries locality, creation of cavity contour and preventative cavity extension, anchoring - filling retention, resistance - tooth and fill resistance, remove all caries residuals, enamel walls and edges, toilet and final cavity control, caries treatment - I. class, caries treatment -II. class, caries treatment -III. class, caries treatment -IV. class, cervical caries treatment - V. grade (permanent teeth, deciduous teeth, teeth with undeveloped development). Indirect overlaying of the pulp, direct overlay of the pulp .Vitality and mortality. Pulp- amputation, pulp- extirpation, therapy with infected root canal, mechanical treatment of infected root canal, chemical-medication treatment of root canals, single/multiple -step treatment of infected root canal.Endodontic treatment of deciduous teeth and permanent teeth with incomplete development. Patient examination with diseases of periodontal tissues, PBI indexes, CPITN. The plan of the periodontal disease: the preservation phase of the	

treatment, the maintenance phase of the treatment. Motivation and instruction of the patient in the treatment of inflammation of the periodontal tissues. Removing tartar and soft coatings.

Learning outcomes:

Graduate of the subject acquires a complex view of cariology, endodontics focusing on aesthetic dentistry. Graduation of the subject is improved in modern methods of treatment of hard tooth tissues. Theoretical knowledge and practical skills in tooth whitening and aesthetic reconstruction of hard tooth tissues will be gained. The subject acquires comprehensive theoretical knowledge and practical experience from the children's dentistry department, which they can use in the comprehensive examination, diagnosis and design of a treatment plan in a child's patient. Graduate of the subject acquires comprehensive information on etiopathogenesis of periodontal disease. By completing the subject the student acquires a comprehensive view of the complex treatment of periodontitis including conservative and surgical procedures, prosthetic treatment with weakened periodontium, use of controlled bone regeneration and implants. Graduate of the subject acquires comprehensive information about etiopathogenesis of oral mucosal diseases. Understand the principles of treating patients at risk. It is possible to analyze pathological conditions on mucous membranes during pregnancy. They are familiar with HIV infection in the oromaxillofacial area. Understand the problem of the presence of white areas on mucous membranes of the oral cavity. They gain practical experience in the diagnosis, dispensarisation and treatment of keratotic and non-keratotic white surfaces.

Class syllabus:

Subject and content of cariology, importance of dental caries treatment.
Patient examination and the importance of history, documentation.
Etiopathogenesis of tooth decay.
Diagnosis of tooth decay.
Mechanisms of defense of tooth decay - mineralization, transparent dentin, tertiary dentin.
Patomorphological image of tooth decay.
Treatment of tooth decay - clinical principles of preparation, indications.
Dystrophic and regressive changes of pulp.
Drain inflammation - hyperaemia, acute and chronic inflammation.
Reversible and irreversible changes of pulp.
Therapy of pathological conditions of pulp.
Dental filling materials and instrumentation for their application.
Etiology, pathology, clinic and therapy of periodontal inflammation.
Treatment of the infected root canal.
Pulp-periodontal complex - symptomatology, differential diagnosis and therapy.
Surgical procedures complementing preservative treatment.
Dental focal infection.
Clinical endodontics: preparation of the dentinal canal system, methods and techniques.
Modern methods of hard dental treatment - the meanings of aesthetic treatment of the tooth.
Whitening of devital and vital teeth - indications, mechanism of action of preparations, individual types of used preparations.
Micro invasive techniques for caries treatment.
Aesthetic reconstruction in cariology.
Border issues of preserving dentistry with prosthetics, surgery and parodontology.
Oral health care of young generation.
Growth and development of deciduous teeth, determination of dental age in deciduous dentition.
The role and function of deciduous dentition, fluoride and non-fluoride prevention of tooth decay in children.

The role of mixed teeth.

Teeth with incomplete development, characteristics of teeth with incomplete development, their treatment.

Differences between deciduous and permanent dentition.

Psychoprophylaxis and psychotherapy in childhood.

Medical preparation of the child before treatment.

Deciduous cariology, diagnostics, early stages of tooth decay and their treatment.

X-ray diagnosis of tooth decay.

Endodontic treatment of deciduous teeth and permanent teeth with incomplete development.

Apexogenesis, apexification.

Child anesthesia, complications, and resuscitation.

Tooth extraction in children, indication, complications, consequences of premature tooth loss.

Periodontal disease in children, etiology, treatment diagnosis, complications.

Oral mucosa inflammation in children, etiology, diagnosis, treatment, complications.

Circulatory inflammation in childhood, etiology, diagnosis, treatment, complications.

Inflammation of lymph nodes in children, etiology, diagnostics, differential diagnosis, treatment, complications.

Tooth injuries in children, etiology, diagnosis, treatment, complications. Fractures of hard tooth tissues (crowns and roots).

Injury tooth system injuries.

Inflammatory diseases in oromaxillofacial region in children.

Manifestation of the carotid symptoms in the oromaxillofacial area in children.

Blood and hematopoietic disorders in the oromaxillofacial area in children.

Symptoms of disorders of the metabolic and immune mechanisms of the in oromaxillofacial area in children.

Exacerbations of endocrinopathies and systemic bone disorders of the in oromaxillofacial region in children.

The manifestations of heredo-degenerative diseases of children.

Dental Care of Healthy Compromised Children.

Etiopathogenesis of asthma - determinants, local and general risk factors.

Classification of periodontal disease.

The plan of the periodontal disease: the preservation phase of the treatment, the maintenance phase of the treatment.

Surgical methods for the treatment of periodontal disease: indications and contraindications.

Local and general medical treatment of periodontal disease.

Traumatic occlusion - diagnostics, principles of articulation.

Principles and indications of prosthetic treatment in patients with periodontitis.

Etiopathogenesis of oral mucosal disease.

Keratotic and non-keratotic white areas, precancerosis of the oral cavity.

Changes in oral tissues during pregnancy, necessity of quality of oral health before and during pregnancy, risk of focal infection during pregnancy for the fetus, risks of treatment in the oral cavity during pregnancy.

Influence of HIV infection in the orofacial area, diagnostics, differential diagnosis. Principles and principles of patient care in the orofacial area, importance of oral hygiene, caries treatment, periodontal disease, oral mucosa and salivation.

Specific inflammations and their manifestations in the oral cavity, treatment and principles of care.

Use of implants, controlled tissue regeneration and transplantation procedures in the treatment of periodontitis.

State exam syllabus:

Recommended literature:

Conservative Dentistry, Endodontics :

Duránik, V., Javorka, V. a kol.: Praktické cvičenia z predklinickej stomatológie. I. 2., uprav. vyd. Bratislava: Univerzita Komenského, 1999. 63 s. Skriptá. ISBN 80-223-1361-0.

Hellwig, E., Klimek, J., Attin, T.: Záchovnástomatologie a parodontologie. Praha: Grada, 2003. 332 s. ISBN 80-247-0311-4.

Javorka, V., Janková, M., Tomandlová, A.: Praktické cvičenia z preventívnej stomatológie. Bratislava: Univerzita Komenského, 1995. 81 s. Skriptá. ISBN 80-223-0910-9.

Kotula, R.: Ošetrovanie devitálnych zubov. Martin: Osveta, 1984. 233 s.

Madárová, L.: Klinická endodoncia. Košice: LF UPJŠ, 1994. 236 s. Skriptá. ISBN 807097267X

Novák, L. a kol.: Základy záchovnástomatologie. Praha: Avicenum, 1981. 322 s.

Peřinka, L., Bartůšková, Š., Záhlavová, E.: Základy klinické endodoncie. Praha: Quintessenz, 2003. 288 s. ISBN 80-903181-2-6.

Stejskalová, J. a kol.: Konzervační zubní lékařství. Praha: Grada, 2003. 235 s. ISBN 80-7262-225-0.

Kováč, J.: Základy endodoncie. Bratislava: Univerzita Komenského v Bratislave, 2013, ISBN 80-223-3390-0, skriptá.

Pediatric Dentistry:

Kilian, J.: Úrazy u dětí. Praha: Avicenum, 1985. 299 s.

Komínek, J. a kol.: Dětská stomatologie. Praha: Avicenum, 1980. 542 s.

Ležovič, J. a kol.: Dětské zubné lékařstvo. 2., dopl.vyd. Banská Bystrica: DALI – BB, 2012. 377 s.

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Tsukiboshi, M.: Plán ošetření předporanění zubů: klinické postupy. Praha: Quintessenz, 2001. 119 s. ISBN 80-902118-7-9.

Parodontology:

Đurovič, E., Vodrážka, J., Đurovičová, J., Vincze, K.: Choroby sliznic ústnej dutiny. Prešov: Vydavateľstvo Michala Vaška, 2005. 367 s. ISBN 80-7265-506.

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Kováčová, E. a kol.: Orálna hygiena 2 a 3. Prešov: Pavol Šidelský Akcent print Zúrich, 2010. 667 s. ISBN 978-80-89295-24-1.

Kováčová, E. a kol.: Orálna hygiena 4. Prešov: Prešovská Univerzita, 2012. 334 s. ISBN 978-80-555-0567-1.

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Languages necessary to complete the course:

slovak/english

Last change: 15.12.2017

Approved by: prof. MUDr. Jarmila Procházková, CSc.

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚA/J-S-ZL-012/16	Course title: Topographic anatomy of oral and maxillofacial area
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 1 per level/semester: 15 / 15 Form of the course: on-site learning	
Number of credits: 4	
Recommended semester: 3.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 100% participation in practical exercises and dissection, at least 60% success at the tests. Successful completion of the oral examination. Scale of assessment (preliminary/final): 20/80	
Learning outcomes: The aim of the study is to upgrade the knowledge of the anatomy of the head and neck and to improve understanding of relations of the structures of the head and neck what is necessary for the study of special clinical disciplines of dentistry.	
Class syllabus: The contents of lectures is the topographical anatomy of deep structures of the face and neck. The contents of practicals is systemic anatomy of the musculoskeletal and neurovascular structures of superficial and deep spaces of the face and their topographical-anatomical dissection.	
Recommended literature: Čihák R.: Anatomie I. Praha: Grada, 2001. 497 s. ISBN 80-7169-970-5 Čihák R.: Anatomie II. Praha: Avicenum, 2002. 470 s. ISBN 80-247-0143-X Mráz P. a kol. Anatómia ľudského tela 1. Bratislava: SAP, 2004. 509 s. ISBN 80-89104-57-6 Mráz P. a kol. Anatómia ľudského tela 2. Bratislava: SAP, 2005. 487 s. ISBN 80-89104-96-7 Mráz P. a kol. Pitevné cvičenia. Martin: Osveta, 1995. 199 s. ISBN 80-217-0550-7 Šedý, Jiří, Foltán, René Klinická anatomie zubů a čelistí. 1. Vyd. Praha: vydavatel'stvo Triton, 2009. 175 s. ISBN 978-80-7387-312-7 M.J.Fehrenbach, S.W.Herring: Illustrated anatomy of the head and neck 4th Edition. Elsevier, 2012, 317pp. ISBN 978-1-4377-2419-6	
Languages necessary to complete the course: slovak	
Notes:	

Past grade distribution						
Total number of evaluated students: 17						
A	ABS0	B	C	D	E	FX
47,06	0,0	35,29	17,65	0,0	0,0	0,0
Lecturers: doc. MUDr. Yvetta Mellová, CSc.						
Last change: 26.10.2016						
Approved by: prof. MUDr. Jarmila Procházková, CSc.						