Course descriptions

TABLE OF CONTENTS

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚA/J-S-ZL-006/16	Anatomy for Dental Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 4 / 3 **per level/semester:** 56 / 42
Form of the course: on-site learning

Number of credits: 8

Recommended semester: 1.

Educational level: I.II.

Prerequisites:

Course requirements:
100% 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. 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: vydavateľstvo 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: 55

A	ABS0	B	C	D	E	FX
25,45	0,0	40,0	23,64	7,27	3,64	0,0

Lecturers: doc. MUDr. Yvetta Mellová, CSc., MUDr. Gabriela Hešková, PhD., MUDr. Lenka Kunertová, doc. MUDr. Desanka Výbohová, PhD.

Last change: 24.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚA/J-S-ZL-009/17	Anatomy for Dental Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 4 / 3 **per level/semester:** 56 / 42
Form of the course: on-site learning

Number of credits: 10

Recommended semester: 2.

Educational level: I.II.

Prerequisites: JLF.ÚA/J-S-ZL-006/16 - Anatomy for Dental Medicine (1)

Course requirements:
100% 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:
Povinná literatúra: Čihák,R. Anatomie I. Praha: Grada, 2011. 534 s. ISBN 978-80-247-3817-8
Čihák,R. Anatomie II.Praha: Avicenum, 2013. 497 s. ISBN 978-80-247-4788-0
978-80-247-4788-0
Čihák,R. Anatomie III. Praha: Grada, 2016. 722s. ISBN 978-80-247-5636-3
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: 50

A	ABS0	B	C	D	E	FX
36,0	0,0	6,0	24,0	14,0	10,0	10,0

Lecturers: doc. MUDr. Yvetta Mellová, CSc., doc. MUDr. Desanka Výbohová, PhD.

Last change: 13.05.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KAIM/J-S-ZL-065/19	Anesthesiology and Intensive Medicine

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 2 **per level/semester:** 14 / 28
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Course requirements:
Attendance of 100 % practice workouts and successful complestition of final exam.

Learning outcomes:
With complestition of the subject, students will obtain following theoretical knowledge and practical experientce: history of anesthesia, role of anesthesia in surgical and diagnostic disciplines, types on anesthesia, general and regional anesthesia, induction and termination of anesthesia, side effects of anesthetic agents, management of critically ill patients, intensive care monitoring, mechanical ventilation, central venous access, intensive care nutristion.

Class syllabus:
History of anesthesia, definition, characteristics, types of anesthesia, clinical pharmacology, management of airways, i.v. access, intravenous anesthestics, inhalational anesthetics, analgetics, muscle relaxants, anesthesia equipment, general anesthesia, regional anesthesia, anesthesia in surgical disciplines, one day surgery.
History of intensive care and mechanical ventilation, admission ofpatient to intensive care, single and multiple organ failure, monitoring in intensive care, mechanical ventilation, extracorporal life support techniques, paliative medicine, brain death diagnostics

Recommended literature:
Stoelting RK, Miller RD Basics of anesthesia, fifth edition, Churchill Livingstone Elsevier, Philadelphia, 2007, 697 pp
Barash, P.G. et al.
Clinical anesthesia. 7th ed., Philadelphia: Lippincott Williams & Wilkins, 2013.
Allmann, K.G. Oxford Handbook of Anaesthesia. Oxford: Oxford University Press, 2011. 1309 s. ISBN 978-0-19-958404-8
Marini JJ, Wheeler AP Critical Care Medicine. The Essentials. Lippincott Williams & Wilkins; 4 edition (1 Nov 2009)
Bersten AD, Handy JM Oh's Intensive Care Manual, Elsevier; 8 edition, 2018

Languages necessary to complete the course:
english

Notes:

Past grade distribution
Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
92,59	0,0	3,7	3,7	0,0	0,0	0,0

Lecturers: doc. MUDr. Milan Minarik, PhD., prof. MUDr. Beata Drobná Sániová, PhD., MUDr. Denisa Osinová, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚCJ/J-S-ZL-002/16	Basic of Medical Terminology

Educational activities:
Type of activities: practicals
Number of hours:
per week: 2 **per level/semester:** 28
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 1.

Educational level: I.II.

Prerequisites:

Course requirements:
95% participation in seminars, at least 60% success in two written tests per semester.
Evaluation: A: 91-100%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, FX: less than 60%
Exam: final grade summary result for credit (40%) and exam performance (60%)
Scale of assessment (preliminary/final): 40% for credit tests / 60% for written exam

Learning outcomes:
The student is supposed to be well oriented in Latin medical terminology, since knowledge of certain components of the language structure of Latin as well as Greek is a prerequisite for adequate and economic mastery of almost all medical disciplines. On the basis of this subject the student acquires terminological competence, i. e. the ability to use Latin medical terminology accurately and correctly. After finishing this course, a medical student should meet the following criteria: a) mastering the phonetic and graphic aspects of Latin; b) knowledge of selected aspects of the linguistic morphological system related to selected substantial and verbal forms; c) knowledge of the lexical plan of the language; d) mastering the elementary syntactic structure of medical terms (multi-word terms, close and loose attribute, word order, Latin-form prescriptions); e) control of the word-formation system of one-word terms (affixation, prefix polysemy, polyfunctional suffixes) and relations of word-forming elements (synonyms, antonyms, homonyms).

Class syllabus:
1.Historical and linguistic introduction into medical Latin. 1st Latin and Greek declension.
2. 2nd Latin and Greek declension.
3. 3rd Latin declension.
4. 3rd Latin declension.
5. 4th and 5th Latin declension.
6. Adjectives of the 3rd declension.
7. TEST I.
8. Comparison of adjectives.
9. 3rd Greek declension.
10. Numerals. Latin medical prescription.
11. Prefixes.

12. Suffixes. Adverbs.
13. Compounds.
14. TEST II.

Recommended literature:
Bujalková, M., Šimon, F.: TERMINOLOGIA MEDICA LATINA. Učebnica lekárskej terminológie pre študentov medicíny. Martin: Vydavateľstvo Osveta 2019. 236 s.
3. doplnené a upravené vydanie. ISBN 978-80-8063-480-3

Languages necessary to complete the course:
Slovak and Latin language

Notes:

Past grade distribution
Total number of evaluated students: 55

A	ABS0	B	C	D	E	FX
58,18	0,0	23,64	12,73	0,0	5,45	0,0

Lecturers: PhDr. Božena Džuganová, PhD.

Last change: 17.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-093/21	Conservative Dentistry (6)

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 150s
Form of the course: on-site learning

Number of credits: 7

Recommended semester: 11., 12..

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-082/19 - Conservative Dentistry, Endodontics (5)

Course requirements:
Completion of 100% participation in practical exercises and lectures
Ongoing monitoring with evaluation record during clinical training
Final test with a minimum knowledge assessment of 65% in the relevant semester.
List of procedures during clinical practice:
Comprehensive examination of the oral cavity and facial area of an adult patient and design of a treatment plan (15)
Vital treatment of the dental pulp - indirect overlap (8)
Composite fillings (5)
Glass ionomer filling (5)
Endodontic treatment (5)
Filling with pulpal and parapulpal pins (3)
Examination of focal infection (5)
Evaluation of radiograms (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 DentistryFinal Evaluation: State Exam (12th week)

Learning outcomes:
The graduate acquires knowledge in the field of modern methods of diagnostics and treatment of hard dental tissues and pulpoperiodontal lesions, such as working with modern diagnostic and therapeutic devices under a microscope, diagnoser. He participates in the diagnosis of the causes of focal infections of dentogenic origin and subsequentlyparticipates practically in their elimination.

Class syllabus:
Errors in cavity preparation and filling applications: non-compliance with basic preparation principles. Complex endodontic remediation, complications of endodontic treatment. Possibilities of reconstruction of the crown of devital teeth - pulpal, parapulpal retention systems in vital teeth.

Traumatic damage to the crown and root and their treatment. Differential diagnosis of pain in the orofacial area. Examination and indications for the solution of dental focal infection. Professional ethics and ethical standards in relation to patients, staff and colleagues. Frontier issues of conservation dentistry with prosthetics, dentoalveolar surgery and periodontics.

Recommended literature:

Madarová, Ľ.: Klinická endodoncia, 1996.
Stejskalová, J.: Konzervační zubní lékařství, 2003, ISBN 8072622250.
Peřinka, L.: Zásady klinické endodoncie, 2003, ISBN 978-809038768-3 9788090387683.
Hellwig, E.: Záchovná stomatologie a parodontologie, 2003, ISBN 80 247 0311 4.
Whaites, E.: Essentials of dental radiography and radiology, 1999.
Thylstrup, A., Fejerskov, O.: Textbook of clinical cariology, 1994, ISBN 87 16 10916 3.
Kotula, R.: Endodoncia - filozofia a prax, Vydavateľstvo: Herba, 2006.
Vlasta Merglová a Hana Hecová: Praktická cvičení z dětského a konzervačního zubního lékařství, CZ, Vydavateľstvo: Karolinum, 2010.
Šedý, J.: Kompendium stomatologie II. 1. vydanie, Praha: Stanislav Juhaňák, Triton, 2016, 1195 s. ISBN 978-80-7553-220-6.
Minčík, J.: Kariológia. Košice: JES SK s.r.o., Košice, 2014, 255s. ISBN 978-80-88900-62-7.

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
71,43	0,0	28,57	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Martin Bačinský, MUDr. Radko Janovský, MUDr. Mária Hnátová

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-043/21	Conservative Dentistry, Endodontics (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 6.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-042/21 - Propedeutics of Dental Medicine (5) and JLF.KSMCh/J-S-ZL-035/21 - Preventive Dental Medicine (1) and JLF.KSMCh/J-S-ZL-034/21 - Dental materials and technologies (2)

Course requirements:
Completion of 100% participation in practical exercises and lectures.
Ongoing monitoring with evaluation record during clinical training.
Final test with a minimum knowledge assessment of 65% in the relevant semester.
List of procedures during clinical practice:
Comprehensive examination of the oral cavity and facial area of an adult patient and design of a treatment plan (14)
Vital treatment of the dental pulp - direct covering of the dental pulp (5 cases), indirect covering (5 cases), evaluation of radiograms (15 cases).
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 extention of the cavity, imbedding – retention of the filling, securing stability - resistence 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 Ist 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:
The graduate acquires knowledge about the origin of dental caries, diagnosis and treatment of dental caries, practical examination of patients, finding out the anamnesis, clinical learningof dental caries diagnosis andtreatment indications. It practically treats the patient under the control of the assistant teacher.

Class syllabus:
Subject and content of cariology: epidemiology and incidence of dental caries, economic importance of dental caries treatment, patient examination and the importance of anamnesis,

file documentation,proper treatment of glass walls, the importance of preventive extension, the importance of the quality of consistency of the filling material, the choice of instruments for the material application, compliance with the parameters of mixing time and solidification of materials. Etiopathogenesis of tooth decay. Diagnosis of dental caries. Mechanisms of defense of tooth decay - epimineralization, transparent dentin, tertiary dentine. Patomorphological picture of tooth decay. Dental caries treatment: clinical principles of preparation, indications for filling materials,practical treatment of individual types of dental caries according to Black, microinvasive preparations. Diagnosis and treatment of non-carious defects of hard dental tissues.

Recommended literature:

Stejskalová, J.: Konzervační zubní lékařství, 2003, ISBN 8072622250.
Hellwig, E.: Záchovná stomatologie a parodontologie, 2003, ISBN 80 247 0311 4.
Stejskalová, J. a kol.: Konzervační zubní lékařství (druhé vydání) CZ, Vydavateľstvo: Galén, 2008.
Kotula, R.: Endodoncia - filozofia a prax, Vydavateľstvo: Herba, 2006.
Minčík, J.: Kariológia, 2014, ISBN: 9788088900627.
Thylstrup, A., Fejerskov, O.: Textbook of clinical cariology, 1994, ISBN 87 16 10916 3.
Peřinka, L., Bartúšková, Š., Záhlavová, E.: Základy klinické endodoncie. Praha: Quintessenz, 2003. 288 s. ISBN 80-903181-2-6.
Kováč, J.: Základy endodoncie. Bratislava: Univerzita Komenského v Bratislave, 2013, ISBN 80-223-3390-0, skriptá.

Languages necessary to complete the course:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 8

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., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Martin Bačinský

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-053/18	Conservative Dentistry, Endodontics (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 7.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Dental Materials and Technologies I, II; Propedeutics of Dental Medicine I, II, III, IV, V; Preventive Dental medicine I; Conservative Dentistry, endodontics I

Course requirements:
Completion of 100% participation in practical exercises and lectures.
Ongoing monitoring with evaluation record during clinical training.
Final test with a minimum knowledge assessment of 65% in the relevant semester.
List of procedures during clinical practice:
Comprehensive examination of the oral cavity and facial area of an adult patient and design of a treatment plan (15)
Vital treatment of the dental pulp - indirect overlap (8), direct overlap (5).
Local treatment of dentinal hypersensitivity (5).
Composite fillings (5).
Glass ionomer filling (4).
Evaluation of radiograms (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 exstirpation – 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:
The graduate will gain knowledge about the indications of individual types of materials, their properties, working procedures in the application of glass ionomer and composite materials, treatment and polishing of these materials.

Class syllabus:

Filling materials and instruments for the application of dental materials – chemicalcuring materials, light-curing filling materials, adhesives. Glass ionomer cements - properties, composition, adhesion mechanism,using indications. Diagnosis and treatment of non-carious defects of hard dental tissues - abrasion, atrium, erosion. Dentine hypersensitivity - diagnostics, methods of treatment. Practical treatment of individual types of dental caries according to Black, using various materials, treatment of teeth with dentinal hypersensitivity.

Recommended literature:

Stejskalová, J.: Konzervační zubní lékařství, 2003, ISBN 8072622250.
Hellwig, E.: Záchovná stomatologie a parodontologie, 2003, ISBN 80 247 0311 4.
Thylstrup, A., Fejerskov, O.: Textbook of clinical cariology, 1994, ISBN 87 16 10916 3.
Stejskalová, J. a kol.: Konzervační zubní lékařství (druhé vydání) CZ, Vydavateľstvo: Galén, 2008.
Kotula, R.: Endodoncia - filozofia a prax, Vydavateľstvo: Herba, 2006.
Minčík, J.: Kariológia, 2014, ISBN: 9788088900627.
Thylstrup, A., Fejerskov, O.: Textbook of clinical cariology, 1994, ISBN 87 16 10916 3.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 35

A	ABS0	B	C	D	E	FX
71,43	0,0	8,57	17,14	2,86	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková

Last change: 31.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-062/18	Conservative Dentistry, Endodontics (3)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 8.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-053/22 - Conservative Dentistry, Endodontics (2)

Course requirements:
Completion of 100% participation in practical exercises and lectures.
Ongoing monitoring with evaluation record during clinical training.
Final test with a minimum knowledge assessment of 65% in the relevant semester.
List of procedures during clinical practice:
Comprehensive examination of the oral cavity and facial area of an adult patient and design of a treatment plan (15).
Vital treatment of the dental pulp - indirect overlap (8), direct overlap (8).
Local treatment of dentinal hypersensitivity (5).
Composite fillings (5).
Glass ionomer filling (4).
Endodontic treatment (3).
Evaluation of radiograms (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 exstirpation – 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:
The graduate acquires theoretical knowledge of the treatment of root canals in endodontics, which indicates in clinical practice under the supervision of the professor. Can diagnose and indicate treatment of dental pulp diseases.

Class syllabus:
Endodontics, introduction to endodontics, histopathology and manifestation of dental pulp diseases. Causes, clinical features, diagnosis and therapy. Anatomical conditions of the medullary cavity, topography of the canal system, preparation, root instruments - ISO standard and therapeutic

agents in endodontics. Staged and one-time method of root canal treatment, differences, initiations and workflow. Evaluation of endodontic treatment - X-ray, Fechter's criteria. Procedures with preservation of dental pulp vitality - selective excavation, direct pulp overlap, vital pulpotomy. Comprehensive endodontic treatment of the root system. Mastering of working with magnifying glasses. Acquisition of working with intraoral X-ray device.

Recommended literature:

Harthy: Endodontics in clinical practise, ISBN-10: 0702031569, ISBN-13: 978-0702031564.
Stejskalová, J.: Konzervační zubní lékařství, 2003, ISBN 8072622250.
Stejskalová, J. a kol.: Konzervační zubní lékařství (druhé vydání) CZ, Vydavateľstvo: Galén, 2008.
Peřinka, L.: Zásady klinické endodoncie, 2003, ISBN 978-809038768-3 9788090387683.
Hellwig,E.: Záchovná stomatologie a parodontologie, 2003, ISBN 80 247 0311 4.
Kotula, R.: Endodoncia - filozofia a prax, Vydavateľstvo: Herba, 2006.
Vlasta Merglová a Hana Hecová: Praktická cvičení z dětského a konzervačního zubního lékařství, CZ, Vydavateľstvo: Karolinum, 2010.

Languages necessary to complete the course:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 35

A	ABS0	B	C	D	E	FX
62,86	0,0	11,43	17,14	0,0	8,57	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-073/19	Conservative Dentistry, Endodontics (4)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 9.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-062/18 - Conservative Dentistry, Endodontics (3)

Course requirements:
Completion of 100% participation in practical exercises and lectures
Ongoing monitoring with evaluation record during clinical training
Final test with a minimum knowledge assessment of 65% in the relevant semester.
List of procedures during clinical practice:
Comprehensive examination of the oral cavity and facial area of an adult patient and design of a treatment plan (15).
Vital treatment of the dental pulp - indirect overlap (8),
Composite fillings (5)
Glass ionomer filling (5)
Endodontic treatment (5)
Evaluation of radiograms (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 exstirpation – 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:
The graduate acquires skills in diagnosis, differential diagnosis and treatment of dental caries affecting the dental pulp, treatment of root canals in endodontics, but also focuses on the prevention of apical periodontitis. Under professional guidance, he will use the acquired knowledge and practical skills in clinical exercises.

Class syllabus:

Clinical endodontics: preparation of the dentinal canal system, methods and techniques, use of Ni - Ti preparation tools, determination of the working length of the root canal. Root canal filling - methods and techniques, root filling materials.
Apical periodontitis - causes, classification systems, diagnostics, differential diagnostics and therapies. X-ray assessment, prognosis. Surgical procedures supplementing endodontic treatment - possibilities of indication.

Recommended literature:

Madarová, Ľ.: Klinická endodoncia, 1996.
Stejskalová, J.: Konzervační zubní lékařství, 2003, ISBN 8072622250.
Peřinka, L.: Zásady klinické endodoncie, 2003, ISBN 978-809038768-3 9788090387683.
Hellwig, E.: Záchovná stomatologie a parodontologie, 2003, ISBN 80 247 0311 4.
Whaites, E.: Essentials of dental radiography and radiology, 1999.
Thylstrup, A., Fejerskov, O.: Textbook of clinical cariology, 1994, ISBN 87 16 10916 3.
Kotula, R.: Endodoncia - filozofia a prax, Vydavateľstvo: Herba, 2006.
Vlasta Merglová a Hana Hecová: Praktická cvičení z dětského a konzervačního zubního lékařství, CZ, Vydavateľstvo: Karolinum, 2010.

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
74,07	0,0	18,52	3,7	3,7	0,0	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-082/19	Conservative Dentistry, Endodontics (5)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-073/19 - Conservative Dentistry, Endodontics (4)

Course requirements:
Completion of 100% participation in practical exercises and lectures
Ongoing monitoring with evaluation record during clinical training
Final test with a minimum knowledge assessment of 65% in the relevant semester.
List of procedures during clinical practice:
Comprehensive examination of the oral cavity and facial area of an adult patient and design of a treatment plan (15)
Vital treatment of the dental pulp - indirect covering of the dental pulp (8)
Composite fillings (5)
Glass ionomer filling (5)
Endodontic treatment (8)
Evaluation of radiograms (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.

Learning outcomes:
The graduate acquires knowledge in the field of modern methods of diagnostics and treatment of hard dental tissues and pulpoperiodontal lesions, such as working with modern diagnostic and therapeutic devices under a microscope, diagnoser. He participates in the diagnosis of the causes of focal infections of dentogenic origin and subsequentlyparticipates practically in their elimination.

Class syllabus:
Whitening of devital and vital teeth - indications, mechanism ofpreparations action, individual types of used preparations. Pulpoparodontal lesions - clinical and X-ray, methods of treatment, prognosis. Focal infection of dentogenic origin and its consequences on the condition of systemic organs of the human body.

Recommended literature:
Madarová, Ľ.: Klinická endodoncia, 1996.

Stejskalová, J.: Konzervační zubní lékařství, 2003, ISBN: 8072622250.
Peřinka, L.: Zásady klinické endodoncie, 2003, ISBN 978-809038768-3 9788090387683.
Hellwig, E.: Záchovná stomatologie a parodontologie, 2003, ISBN 80 247 0311 4.
Whaites, E.: Essentials of dental radiography and radiology, 1999.
Thylstrup, A., Fejerskov, O.: Textbook of clinical cariology, 1994, ISBN 87 16 10916 3.
Kotula, R.: Endodoncia - filozofia a prax, Vydavateľstvo: Herba, 2006.
Vlasta Merglová a Hana Hecová: Praktická cvičení z dětského a konzervačního zubního lékařství, CZ, Vydavateľstvo: Karolinum, 2010.

Languages necessary to complete the course:
slovak/english

Notes:

Past grade distribution
Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
70,37	0,0	14,81	7,41	7,41	0,0	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-085/19	Dental Practice Management

Educational activities:
Type of activities: practice
Number of hours:
per week: 1,86 **per level/semester:** 26,04
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-064/22 - Summer practice in Dental surgery (3)

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 enactions 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.
Privátna zubná prax. Editori: Gasic,J., Siebert,T., vyd. RAABE, 2009
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: 27

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., doc. MUDr. Mária Janíčková, PhD., MPH, PhDr. Mária Zibolenová, doc. MUDr. Tomáš Siebert, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-044/21	Dental Protetics (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 6.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Dental materials and technologies I, II; Propedeutics of Dental Medicine I, II, III, IV, V; Preventive Dental Medicine I

Course requirements:
Attendance 100 %. Consecutive Evaluation - test: minimum to pass: 65% Individual work Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below. The following opinion on the overall rating of 80%.
Independent work: Completed operations in the patient's oral cavity within the framework of fixed prosthetics. Share of the overall rating of 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:
Student achieves basic knowledge about classification of prosthetic defects, learns direntand and undirect methods of prosthetic. Student improves himself in impression technics, analysis of prosthetic defects and lears basic prosthetic planning. Student understand principles of hard dental tissue preparation, understand methods of working in fixed prosthetic, understand procedures of making fixed crowns and bridges. Student becomes familiar with prosthetic documentation, acquires principles of hygiene and desinfection methods used in prosthetic. Achieved theoretical knowledge is able to apply in his dental ambulance during prosthetic practise.

Class syllabus:
Importance of prosthetic.
Morfological, functional examination in prosthetic.
Classification of prosthetic defects.
Direct and undirect working methods.
Types of restorations.
Characteristic and problematic of dental restoration.

Classification of defects, biological factor, mechanism of chewing forces transfer.
Indications of prosthetic examination.
Prosthetic documentation in patient.
Dental analysis of defects on plaster models.

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.: 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 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 language

Notes:

Past grade distribution
Total number of evaluated students: 8

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., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Filip Planeta

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-054/21	Dental Protetics (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 7.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-034/21 - Dental materials and technologies (2) and JLF.KSMCh/J-S-ZL-042/21 - Propedeutics of Dental Medicine (5) and JLF.KSMCh/J-S-ZL-035/21 - Preventive Dental Medicine (1) and JLF.KSMCh/J-S-ZL-044/21 - Dental Protetics (1)

Course requirements:
Attendance 100 %. Consecutive Evaluation - test: minimum to pass: 65% Individual work Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below. The following opinion on the overall rating of 80%.
Independent work: Completed operations in the patient's oral cavity within the framework of fixed prosthetics. Share of the overall rating of 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:
Student achieves basic knowledge about classification of prosthetic defects, learns direct and undirect methods of prosthetic. Student improves himself in impression technics, analysis of prosthetic defects and lears basic prosthetic planning. Student understand principles of hard dental tissue preparation, understand methods of working in fixed prosthetic, understand procedures of making fixed crowns and bridges. Student becomes familiar with prosthetic documentation, acquires principles of hygiene and desinfection methods used in prosthetic. Achieved theoretical knowledge is able to apply in his dental ambulance during prosthetic practise.

Class syllabus:
Fixed restorations, definition, basic terms, general preparation terms, types of preparation.
Crowns – types, indications, impression technics.
Veneer crowns – indications, characteristic, partial crowns – indications, types, preparation.
Root canal fixed crows (types, indications, working procedure).
Richmond crowns – indication, working procedure.
Post and core – working procedures.
Practical working method of crowns, bridges, post and core bridges with various pontics.

Hygienic and desinfection programe in prosthetic.

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.: 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.
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 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: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Filip Planeta

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-063/18	Dental Protetics (3)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 8.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-054/22 - Dental Protetics (2)

Course requirements:
Attendance 100 %. Consecutive Evaluation - test: minimum to pass: 65% Individual work
Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below. The following opinion on the overall rating of 80%.
Independent work: Completed operations in the patient's oral cavity within the framework of fixed prosthetics. Share of the overall rating of 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%.

Learning outcomes:
Student achieves basic knowledge about functional examination focused on biomechanic in oromaxillofacial region. Student understands biostatical and biomechanical processese of fixed bridges, also understands principe of atypical fixed restorations of dental defects. Students learns new alternative working procedures of fixed restorations achieved theoretical knowledge is able to use or apply during prosthetic practise.

Class syllabus:
Functional examination focused on biomechanic in oromaxillofacial region.
Biostatics and biodynamics of fixed bridges.
Protection of pillars.
Complexe restoration of defects indications, contraindications, materials, working procedure.
Ordinary and laboratory atypical restorations.
New alternative restorations.

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.: 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 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 language

Notes:

Past grade distribution
Total number of evaluated students: 35

A	ABS0	B	C	D	E	FX
65,71	0,0	25,71	8,57	0,0	0,0	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-072/19	Dental Protetics (4)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 9.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-063/18 - Dental Protetics (3)

Course requirements:
Final evaluation of students by tests and practical exam.
Share on complete evaluation 80%.
Attendance 100 %. Consecutive Evaluation - test: minimum to pass: 65% Individual work Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below. The following opinion on the overall rating of 80%.
Independent work: Finished work in oral cavity with partial, total removable dentures.
Completed operations in the patient's oral cavity within the framework of fixed prosthetics. Share of the overall rating of 20%.
Scale of assessment (preliminary/final): Final Evaluation by theoretical oral exam and practical examRate 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 cavityRate in the final evaluation: 20%

Learning outcomes:
Student achieve basic knowledge in partial removable dentures topic, focused on indications and components. Student understands basic problem of support chewing forces (dental, dentomucose and mucose transmission of chewing pressure). Student learns to analyze model situations and determines treatment plan with partial removable denture and adequate components to provide optimal transmission of chewing pressure. Student understands to relining (rebasation) and indications of temporary partial dentures. Achieved knowledge is able to use or apply during prosthetic practice.

Class syllabus:
Removable dentures (basic characteristics).
Indications of removable partial denture.
Classification, types of components.
Retainers of partial dentures in maxila, mandibula, working procedures - ordinary and laboratory.
Stabilisation components in maxila and mandibula.

Connectors and denture base in maxila and mandibula – working procedures – ordinary, laboratory.
Preparation of oral structures for partial dentures.
Impression technics, jaw relationships, partial removable.
Dentures with dental, dento-mucose and mucose transmission of chewing pressure (working procedures, ordinary and laboratory), removable bridges (indications components), dentomucose dentures (topic of mixed transmission of pressure); mucose dentures.
Mucose dentures (characteristics, indications).
Combine prosthetic therapy.
Temporary prosthetic treatment.
Maintaince and relining of partial dentures.

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.: 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 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

Notes:

Past grade distribution
Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
51,85	0,0	25,93	14,81	0,0	7,41	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Radko Janovský, MUDr. Janka Jenčová, PhD.

Last change: 06.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-081/19	Dental Protetics (5)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-072/19 - Dental Protetics (4)

Course requirements:
Attendance 100 %. Consecutive Evaluation - test: minimum to pass: 65%
Individual work
Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below. The following opinion on the overall rating of 50%.
Independent work: Completed operations in the patient's oral cavity within the framework of fixed prosthetics. Share of the overall rating - 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.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:
Student achieves basic knowledge in topic of total dentures focused on possibilities of their retention. Student understands basic problem of support chewing pressure by total dentures and resulting complications. Student learns to the analyze model situations and determines treatment plan with total denture, understands to record jaw relationships and adequate registration technics, achieved knowledge is able to apply during prosthetic practice.

Class syllabus:
Total dentures (general characteristic).
Indications of total denture.
Retention problem of total denture.
Examination of oral cavity focused on quality of alveolar ridge, resilience of mucosa, anatomical borders of total denture.
Working procedure of total dentures – ordinary, laboratory.
Biodynamics of total dentures – biocompatibility of used materials.
Total removable dentures - recording jaw relationships, registration technics, applications of cephalometry during recording jaw relationships.
Selection of artificial teeth – resin.

Rules of arranging the artificial teeth, articulation, shaping, delivering finished denture.
Hygiene of dentures.
Hybrid dentures.
Relining of dentures.
Immediate dentures.
Complications influenced from mucose, transmission of pressure, diagnostic and treatment possibilities.

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.: 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 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:

Notes:

Past grade distribution

Total number of evaluated students: 28

A	ABS0	B	C	D	E	FX
60,71	0,0	35,71	0,0	0,0	0,0	3,57

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-094/21	Dental Protetics (6)

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 150s
Form of the course: on-site learning

Number of credits: 7

Recommended semester: 11., 12..

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-081/19 - Dental Protetics (5)

Course requirements:
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
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 cavityRate in the final evaluation: 20%Final Evaluation: State Exam: in 12th semester

Learning outcomes:
Student achieves basic knowledge in topic of child patients within prosthetics student understands indications of fixed and removable dentures in child age, possible complications influenced from early loss of primary and permanent dentition. Student becomes familiar with possibilitier of prosthetic restoration with periodontical diseases.
Student learns to analyze possibilities of prosthetic rehabilitation in clefts. Student understands the complex principles of prosthetic hard and soft tissues restoration after onco-surgical treatment.
Student achieves basic knowledges about using modern technologies in prosthetic. Student understands indications, contraindications and complications of implantates and is inform about possibilities of implant therapy. Student knows to analyze and treat various reasons of pain in facial area. Achieved knowledge is able to apply during prosthetic practise.

Class syllabus:
Prosthetic treatment in child age – indications, types of dentures, contraindications, complications.
Main rules of child age prosthetics.
Fixed dentures in child age.
Removable dentures in child age.

Prosthetic in periodontological patient – indication, contraindication, principles of splinting.
Prosthetic restoration of clefts.
Complex prosthetic restoration of hard and soft tissues after onco-surgical treatment in oromaxillofacial area – obturation dentures, epithesis.
Modern technologies and materials in prosthetic implants – development, principles, prosthetic indications, working procedures, material
Articulators – TMJ dysfunctions – etiology, diagnostics, treatment, differential diagnostic in facial pain.
Metaloceramic – structure, technological methods non metaloceramic – structure, pressed ceramic, technological methods.
Zircon based materials – advantages indications.
Price calculation of dentures professional ethic codex.

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.: 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 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: 8

A	ABS0	B	C	D	E	FX
87,5	0,0	12,5	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Radko Janovský, MDDr. Filip Planeta
Last change: 06.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-099/21	Dental Radiology

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 5.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-033z/17 - Propedeutics of Dental Medicine (4) and JLF.KSMCh/J-S-ZL-034/21 - Dental materials and technologies (2)

Course requirements:
At the end of the semester a final oral exam and a midterm test are given.
The share of the theoretical oral exam in the overall evaluation is 80%.
Midterm evaluation of students in the form of a test: minimum success rate 65%.
Grading: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and less.
The share of the midterm test in the overall evaluation is 80%.
Scale of assessment (preliminary/final): 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 belowRate of the consecutive test result in final result: 80%

Learning outcomes:
The graduates of the course needs to know basic information about the usage of radiology in dentistry. They will get acquainted with various methods of imaging techniques. They will master the technique of intraoral imaging of individual teeth both theoretically and practically. They can differentiate between extraoral and intraoral imaging techniques. They can read digital imaging techniques, that are used in the diagnosis of pathological processes in the oral and maxillofacial region. The main imaging techniques used in dentistry are ortopantomography and CBCT imaging. They will be able to use the acquired theoretical knowledge in their future practices.

Class syllabus:
Formation of radiation and its characteristics.
Imaging methods.
Intraoral x-ray.
Extraoral x-ray.
Disorders of teeth development and dental diseases.
Fractures of facial bones.
Inflammatory changes in bone structures.
Cystic lesions.
Tumors in maxillofacial region.
Temporomandibular joint.

Recommended literature:
Lectures on individual topics.
Pasler, F., A.: Stomatologická radiologie. Grada, 2021, s. 280.
Krejčí, P.: Dentální radiologie. Olomouc 2009, s. 97.
Satko, I., Stanko, P., Švidráň, J.: Orálna a maxilofaciálna chirurgia. Bratislava, 2013, s. 308.

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 9

A	ABS0	B	C	D	E	FX
88,89	0,0	0,0	0,0	0,0	11,11	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Igor Malachovský, PhD., doc. MUDr. Kamil Zeleňák, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-018/21	Dental materials and technologies (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 3.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-023/21 - Propedeutics of Dental Medicine (2)

Course requirements:
Completion of 100% participation in practical exercises and lectures.
Ongoing monitoring with evaluation record during clinical practice.
Final test with a minimum knowledge assessment of 65% in the relevant semester.
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 belowRate of the consecutive test result in final result: 20%

Learning outcomes:
The graduate acquires knowledge of materials used in dentistry in the field of conservation dentistry and endodontics. These are materials used for the treatment of dental caries and materials used in the endodontic treatment of devital teeth, teeth with the dental pulpinflammatory diseases.

Class syllabus:
Materials used in conservative dentistry: fillers, pads and to maintain the vitality of the dental pulp. Preparations for determining the vitality of the dental pulp. Root filling materials. Biomaterials, their properties and using in medicine. Devices in dentistry, their using properties, technical handling and safe use.

Recommended literature:
Tvrdoň, M.: Protetická stomatológia, liečba a prevencia, 1999.
Smith, B.G.N.: Planning and making crowns and bridges, 1998.
Materiály a technologie v protetickém zubním lékařství CZ.
Hana Hubálková a Jana Krňoulová • Vydavateľstvo: Galén, 2009.

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 10

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

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., PhDr. Libuša Kovalská, MDDr. Kristína Pitáková

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-034/21	Dental materials and technologies (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 4.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-018/21 - Dental materials and technologies (1) and JLF.KSMCh/J-S-ZL-033/21 - Propedeutics of Dental Medicine (3)

Course requirements:
Completion of 100% participation in practical exercises and lectures.
Ongoing monitoring with evaluation record during clinical training.
Final test with a minimum knowledge assessment of 65% in the relevant semester.
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 belowRate of the consecutive test result in final result: 20%

Learning outcomes:
The graduate acquires knowledge of materials used in dentistry in the field of dental prosthetics. These are materials used in prosthetic dental treatment with a fixed or removable prosthesis, materials used in TMJ rehabilitation. They will get acquainted with the working procedures of making prosthetic works.

Class syllabus:
Distribution of prosthetic materials: own prosthetic materials (metal alloys, porcelain, resins), imprint materials. Gypsum - composition, properties, using indications. Waxes - composition, using indications. Putties. Materials used for the treatment and polishing of metals. Auxiliary materials used in the manufacture of dental prostheses. Principles of metal casting, resin and porcelain processing. Biomaterials, their properties and use in medicine. Prosthetics devices in dentistry, properties of their use, technical handling, safe use.

Recommended literature:
Tvrdoň, M.: Protetická stomatológia, liečba a prevencia, 1999.
Smith, B.G.N.: Planning and making crowns and bridges, 1998.
Materiály a technologie v protetickém zubním lékařství, CZ.
Hana Hubálková a Jana Krňoulová • Vydavateľstvo: Galén, 2009.

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 18

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., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., PhDr. Libuša Kovalská, MDDr. Kristína Pitáková

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-034/21	Dental materials and technologies (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 5.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-018/21 - Dental materials and technologies (1) and JLF.KSMCh/J-S-ZL-033/21 - Propedeutics of Dental Medicine (3)

Course requirements:
Completion of 100% participation in practical exercises and lectures.
Ongoing monitoring with evaluation record during clinical training.
Final test with a minimum knowledge assessment of 65% in the relevant semester.
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 belowRate of the consecutive test result in final result: 20%

Learning outcomes:
The graduate acquires knowledge of materials used in dentistry in the field of dental prosthetics. These are materials used in prosthetic dental treatment with a fixed or removable prosthesis, materials used in TMJ rehabilitation. They will get acquainted with the working procedures of making prosthetic works.

Class syllabus:
Distribution of prosthetic materials: own prosthetic materials (metal alloys, porcelain, resins), imprint materials. Gypsum - composition, properties, using indications. Waxes - composition, using indications. Putties. Materials used for the treatment and polishing of metals. Auxiliary materials used in the manufacture of dental prostheses. Principles of metal casting, resin and porcelain processing. Biomaterials, their properties and use in medicine. Prosthetics devices in dentistry, properties of their use, technical handling, safe use.

Recommended literature:
Tvrdoň, M.: Protetická stomatológia, liečba a prevencia, 1999.
Smith, B.G.N.: Planning and making crowns and bridges, 1998.
Materiály a technologie v protetickém zubním lékařství, CZ.
Hana Hubálková a Jana Krňoulová • Vydavateľstvo: Galén, 2009.

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 18

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., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., PhDr. Libuša Kovalská, MDDr. Kristína Pitáková

Last change: 07.04.2022

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-SS4/21	**Course title:** Dentoalveolar and Maxillofacial Surgery
Number of credits: 6	
Recommended semester: 11., 12..	
Educational level: I.II.	

Course requirements:

The final assessment of students takes the form of a practical state examination and a theoretical oral state examination.
The share of the practical state examination in the total is 20%.
The share of the theoretical oral state examination in the overall assessment is 80%.
The practical State examination shall consist of some of the following: History, examination and medical documentation of the patient in oral and maxillofacial (OMF) surgery, radiodiagnostics in OMF surgery, local anaesthesia in the oromaxillofacial region - anaesthetics, indications and contraindications for the administration of different types of anaesthetics, application of local anaesthesia in the jaw and the temple, tooth extractions - extraction technique, instrumentation - extraction tools (forceps, levers), resection of root tips of single-rooted teeth (surgical procedures complementing endodontic treatment of the tooth), treatment of simple fractures of the facial skeleton by loading maxillo-mandibular immobilization (dental splints, Halmosch ligation).
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:

The graduate of the course acquires comprehensive information about the principles and principles of treatment in dentoalveolar surgery.
The student will learn the principles of antisepsis, asepsis, disinfection and sterilization in oral and maxillofacial (OMF) surgery.
He/she will master the treatment of pulpoperiodontal complex inflammation, subperiosteal and submucosal abscesses of dentogenic origin.
Acquires skills in the treatment of post-extractive alveolitis.
Understands the principles of etiology, diagnosis, treatment, and prevention of oroantral and oronasal communications.
The graduate of this course will gain comprehensive information on pre-prosthetic surgical issues and pre-prosthetic surgical procedures on the hard and soft tissues of the oral cavity.
The student will gain a comprehensive knowledge of dental implants.

The student will become familiar with the methods of augmentation and guided tissue regeneration in dentoalveolar and maxillofacial surgery.
Understand the issues of dentoalveolar surgical procedures complementing maxillo-orthopaedic treatment.
Understand the issues involved in mucogingival surgery.
The graduate of the course acquires comprehensive information and knowledge about the diagnosis and treatment of periosteal inflammation.
The student will understand the specific and non-specific inflammations in the oromaxillofacial region.
Learn about inflammation and necrosis of the bones of the facial skeleton.
Gain a comprehensive knowledge of lymph node diseases in the OMF region, their etiology, symptomatology, diagnosis, differential diagnosis, treatment and complications.
Masters the issues of rational antibiotic treatment of diseases of the OMF area.
Gain comprehensive knowledge of the diagnosis and treatment of salivary gland diseases.
Gain comprehensive knowledge of the etiology, symptomatology, differential diagnosis and treatment of diseases of the temporomandibular joint, understand the principles of diagnosis and surgical treatment of oromaxillofacial cysts.
By completing this course, the student will acquire the ability to analyze, diagnose, and design a treatment plan for patients with injuries in the maxillofacial region.
By completing the course, the student acquires a comprehensive knowledge of the problems of malignant epithelial and mesenchymal tumors in the OMF region.
The student will learn the principles of complex multimodal treatment of malignant tumors of the OMF region.
Gain comprehensive information on reconstruction and modern regenerative medicine options in the OMF region. Acquire theoretical knowledge and basic practical experience in the differential diagnosis of pain in the facial area and become familiar with the possibilities of its treatment.
By completing the course, the student acquires comprehensive knowledge of the problems of craniomaxillofacial anomalies, understands their classification, masters the principles of examination, diagnosis, treatment and understands the possibilities of complications. Acquire comprehensive knowledge of orthognathic surgical procedures, their indications, contraindications and complications.

Class syllabus:
History and introduction to oral and maxillofacial (OMF) surgery.
Antisepsis, asepsis, disinfection and sterilization in OMF surgery.
Patient history and examination, medical records.
Principles and principles of treatment in dentoalveolar surgery.
Local anaesthesia in the orofacial area.
Anaesthetic distribution, composition, active substances, maximum doses.
Indications and contraindications for the administration of different types of local anaesthetics.
Techniques of application of local anaesthesia in the OMF area.
Complications in the administration of local anaesthetics.
Tooth extraction: indications and contraindications.
Instrumentation - extraction tools (forceps, levers).
Techniques of tooth extraction in the jaw and temple.
Local and general complications during and after tooth extraction.
Extraction wound healing and its complications.
Suture techniques in the OMF area.
Acute and chronic inflammation of the pulpoperiodontal complex, etiology, diagnosis, prevention and treatment.

Surgical procedures complementing endodontic treatment of the tooth.
Dentoalveolar inflammation, subperiosteal and submucosal abscesses of dentogenic origin etiology, diagnosis, prevention and treatment.
Postextraction alveolitis, etiology, diagnosis, prevention and treatment.
Oroantral and oronasal communications etiology, diagnosis, prevention and treatment.
Dentogenic maxillary sinusitis, foreign body in the maxillary sinus, etiology, diagnosis, treatment complications and therapy.
Surgical extraction definition, techniques, procedures, indications, contraindications.
Third molar surgery.
Preprosthetic surgical treatment, indications, contraindications.
Preprosthetic surgical procedures on hard and soft tissues.
Absolute and relative elevation of the alveolar processes of the jaw and the canine.
Dentoalveolar surgical procedures complementary to maxillo-orthopedic treatment.
Dental implants, classification, indications and contraindications.
Mucogingival surgical procedures.
Augmentation and guided tissue regeneration in dentoalveolar and maxillofacial surgery.
Hard and soft tissue cysts in the OMF region classification, diagnosis, differential diagnosis, treatment and prevention.
Injuries of the hard tissues of the teeth and the hinge apparatus of the teeth, etiology, diagnosis, treatment, complications.
Tooth replantation and autotransplantation.
Perimaxillomandibular inflammation of dentogenic origin: anatomical demarcation of spaces, etiology, modes of spread, diagnosis, therapy, complications.
Specific and nonspecific inflammation in the oro-maxillofacial region.
Inflammations of the bones of the facial skeleton: acute and chronic ostitis, osteomyelitis, etiology, diagnosis, therapy and complications.
Osteoradionecrosis, drug-related osteonecrosis and systemic bone diseases in the OMF region.
Lymph node diseases in the OMF region:etiology, symptomatology, diagnosis, differential diagnosis, treatment and complications.
Salivary gland diseases: etiology, diagnosis, treatment and complications.
Etiology, diagnosis and treatment of temporomandibular joint disorders (extracapsular, intracapsular, inflammatory degenerative diseases, mobility disorders).
Traumatology of the oromaxillofacial region: etiology of injuries, clinical signs, principles of examination.
Classification of fractures of the facial skeleton. Conservative and surgical treatment of fractures of the facial skeleton. Complications of facial skeletal fractures.
Etiology of malignant and benign tumors of the oro-maxillofacial region.
Precancerous lesions: definition, classification, etiology, differential diagnosis, diagnosis and treatment.
Dispensing of patients with precancerous and malignant tumors in the OMF region: objectives and methods.
Prevention of malignant and benign tumors of the oro-maxillofacial region.
Benign epithelial and mesenchymal tumors of the OMF region: classification, clinical features, principles of examination, differential diagnosis, diagnosis, treatment and complications.
Odontogenic tumors: classification, clinical features, principles of examination, differential diagnosis, diagnosis, treatment and complications.
Benign bone lesions in the OMF region: classification, clinical features, principles of examination, differential diagnosis, diagnosis, treatment and complications.

Malignant epithelial tumors of the OMF region definition, classification, clinical features, principles of examination, differential diagnosis, diagnosis.
Malignant mesenchymal tumors of the OMF region definition, classification, clinical signs, principles of examination, differential diagnosis, diagnosis.
Comprehensive multimodal treatment of malignant tumors of the OMF region: surgical treatment, radiotherapy, chemotherapy, indications, contraindications, complications, adverse effects.
Reconstruction options and modern regenerative medicine in the OMF area.
Pain in the OMF region, neuralgia n. V. and other neuralgias: classification, etiology, clinical signs, principles of examination, differential diagnosis, diagnosis, treatment and complications.
Craniomaxillofacial anomalies, clefts: definition, classification, clinical signs, principles of examination, diagnosis, treatment and complications.
Orthognathic surgery: indications, contraindications, complications.

State exam syllabus:

Recommended literature:

Pazdera, J.: Základy ústní a čelistní chirurgie. 4 vyd. Olomouc: Univerzita Palackého, 2016, 336 s., ISBN 978-80-244-4915-9.
Kizek, P., Minčík, J., Schwartzová, V., Kučera, J., Novák, B.: Propedeutika ústnej, čeľustnej a tvárovej chirurgie. Košice, Rotaprint, s.r.o., 2017, 189 s., ISBN 978-80-972772-9-1.
Mazánek, J.: Orofaciální onkologie. 2018, Praha: Triton, 2018, 423s., ISBN 9788075535214.
Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987. 180 s.
Lemeš, L. a kol.: Topografická anatomie pro stomatology. Praha: Avicenum, 1984. 246 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.
Wotke, J.: Patologie orofaciální oblasti. Praha: Avicenum Grada publishing, 2001. 335 s. ISBN 80-7169-975-6.
Pazdera, J., Marek, O.: Neodkladné situace ve stomatologii. Grada, 2005. aj E-kniha, pdf.
Malachovský, I., Statelová, D.: Diagnostika a liečba porúch temporomandibulárneho kĺbu. Vedecká monografia. Martin: Libuša Chrasteková-vydavateľstvo, 2011.
Černochová, P.: Diagnostika retinovaných zubu, Grada Publishing, Praha. 2006, ISBN 80-247-1269-5.

Languages necessary to complete the course:
slovak/english

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-052/18	Dentoalveolar and Maxillofacial Surgery (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
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,II,IV; Dental Prosthodontics I,II,III,IV,V,

Course requirements:
Attendaance 100 %. Consecutiveevaluation- test: minimum to pass: 65%
Scale of assessment (preliminary/final): Consecutiveevaluation- 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.

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 Anaesthesis 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:

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 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 language

Notes:

Past grade distribution
Total number of evaluated students: 35

A	ABS0	B	C	D	E	FX
91,43	0,0	8,57	0,0	0,0	0,0	0,0

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

Last change: 28.01.2019

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-052/21	Dentoalveolar and Maxillofacial Surgery (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 4 / 1 **per level/semester:** 56 / 14
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 6.

Educational level: I.II.

Prerequisites:

Course requirements:
Continuous assessment test: minimum pass mark 65%.
A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below. 80% share of the overall grade.
Independent work: Performing prescribed dentoalveolar procedures in the patient's oral cavity in the context of tooth extractions and application of local anaesthesia. Share in the overall assessment 20%.
Scale of assessment (preliminary/final): Consecutiveevaluation- 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.

Learning outcomes:
The graduate of the course acquires basic information about the principles and guidelines of treatment in dentoalveolar surgery. The student will learn the principles of antisepsis, asepsis, disinfection and sterilization in oral and maxillofacial (OMF) surgery. The student will become familiar with the indications, contraindications and complications of local anaesthetics. Understand the basic methods of local anesthetic application. Learn the indications, contraindications and complications of tooth extraction. Acquire skills in performing all techniques of tooth extractions in the maxilla and the mandible. The student is able to analyse and deal with post-extraction complications.
He/she can apply the acquired theoretical knowledge when working with patients in the dental outpatient clinic, operating theatres and the bedside department of the KSaMCH.

Class syllabus:
History and introduction to oral and maxillofacial surgery.
Antisepsis, asepsis, disinfection and sterilization in OMF surgery.
Patient history and examination, medical records.
Principles and guidelines of treatment in dentoalveolar surgery.
Local anaesthesia in the orofacial area.
Anaesthetic distribution, composition, active substances, maximum doses.
Indications and contraindications for the administration of different types of local anaesthetics.
Techniques of application of local anaesthesia in the OMF area.

Complications in the administration of local anaesthetics.
Tooth extraction: indications and contraindications.
Instrumentation - extraction tools (forceps, levers).
Techniques of tooth extraction in the maxilla and mandible.
Local and general complications during and after tooth extraction.
Extraction wound healing and its complications.
Techniques of soft tissue suture in the OMF area.

Recommended literature:

Pazdera, J.: Základy ústní a čelistní chirurgie. 4 vyd. Olomouc: Univerzita Palackého, 2016, 336 s., ISBN 978-80-244-4915-9.
Kizek, P., Minčík, J., Schwartzová, V., Kučera, J., Novák, B.: Propedeutika ústnej, čeľustnej a tvárovej chirurgie. Košice, Rotaprint, s.r.o., 2017, 189 s., ISBN 978-80-972772-9-1.
Dostálová., T., Seydlová, M. a kol.: Stomatologie. Praha.: Grada, 2008, 196 s., ISBN 978-80-247-2700-4.
Satko, I., Stanko, P., Švidráň. J.: Orálna a maxilofaciálna chirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013, 308 s., ISBN 978-80-223-3366-5.
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.
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.

Languages necessary to complete the course:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 8

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., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Juraj Strecha, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-061/21	Dentoalveolar and Maxillofacial Surgery (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 4 / 1 **per level/semester:** 56 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 8.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Propedeutics of Dental Medicine I, II, III, IV, V; Preventive Dental Medicine I; Conservatory Dental Medicine and Endodontics I; Dental Prosthetics I

Course requirements:
Continuous assessment test: minimum pass mark 65%.
A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below. 80% share of the overall grade.
Independent work: Performing prescribed dentoalveolar procedures in the patient's oral cavity in the context of tooth extractions and application of local anaesthesia. Share in the overall assessment 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:
The graduate of the course acquires comprehensive information about dentoalveolar inflammatory processes.The graduate becomes familiar with their etiological factors, diagnostic, treatment and prevention options. He/she can analyze the risk resulting from their possible complications. The student will master the treatment of pulpoperiodontal complex inflammations, subperiosteal and submucosal abscesses of dentogenic origin. Acquire skills in the treatment of post-extraction alveolitis. Understands the principles of etiology, diagnosis, treatment and prevention of oroantral and oronasal communications.
Gain a comprehensive knowledge of pre-prosthetic hard and soft tissue surgical procedures, their indications and contraindications. Become familiar with dental implants, augmentation and guided tissue regeneration in dentoalveolar and maxillofacial surgery.
He/she will be able to apply the acquired theoretical knowledge when working with patients in dental outpatient clinics, operating theatres and in the bedside department of the KSaMCH.

Class syllabus:

Acute and chronic inflammation of the pulpoperiodontal complex, etiology, diagnosis, prevention and treatment.
Surgical procedures complementing endodontic treatment of the tooth.
Dentoalveolar inflammation, subperiosteal and submucosal abscesses of dentogenic origin, etiology, diagnosis, prevention and treatment.
Postextraction alveolitis, etiology, diagnosis, prevention and treatment.
Oroantral and oronasal communications etiology, diagnosis, prevention and treatment.
Dentogenic maxillary sinusitis, foreign body in the maxillary sinus, etiology, diagnosis, treatment, complications and therapy.
Surgical extraction definition, techniques, procedures, indications, contraindications.
Third molar surgery, classification, diagnosis, indications, contraindications and complications.

Recommended literature:

Pazdera, J.: Základy ústní a čelistní chirurgie. 4 vyd. Olomouc: Univerzita Palackého, 2016, 336 s., ISBN 978-80-244-4915-9.
Kizek, P., Minčík, J., Schwartzová, V., Kučera, J., Novák. B.: Propedeutika ústnej, čeľustnej a tvárovej chirurgie. Košice, Rotaprint, s.r.o., 2017, 189 s., ISBN 978-80-972772-9-1.
Dostálová, T., Seydlová, M. a kol.: Stomatologie. Praha : Grada, 2008, 196s., ISBN 978-80-247-2700-4.
Satko, I., Stanko, P., Švidráň, J.: Orálna a maxilofaciálnachirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013, 308 s., ISBN 978-80-223-3366-5.
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.
Ďurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993, 250 s., ISBN 80-217-0496-9.
Lemeš, L. a kol.: Topografická anatomie pro stomatology. Praha: Avicenum, 1984, 246 s.
Haisová, L., Antalovská, Z.: Anestézie ve stomatologii. Praha: Avicenum, 1987, 180 s.
Hirjak, D., Machoň, V.: Tretie moláre (M3). 1. vyd. Bratislava, Slovensko, s.r.o., 2016, 126 s., ISBN 978-80-971444-4-9.
Hrušák, D.: Stomatochirurgie, Current media, 2017, 343 s., ISBN 9788088129257.
Bartáková, V., Nátek, Š., Kopecká, D., Černý, D., Bavor: Vybrané kapitoly z dentoalveolární chirurgie. Praha, Karolinum, 2003, 200 s., ISBN 8024605821.

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

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-071/19	Dentoalveolar and Maxillofacial Surgery (3)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 3

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; DentalProsthodontics I, II, III; Dentoalveolar and Maxillofacial Surgery I, II

Course requirements:
Attendaance 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 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 priciples 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:

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 čeľustí a tváre. Martin: Osveta, 1983. 250 s.

Kufner, J., Urban, F.: Chirurgie čelistních a obličejových anomalií. 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:
english

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: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Ján Staško, PhD., MUDr. Igor Malachovský, PhD., MUDr. Katarína Mikušková, PhD.

Last change: 27.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-080/19	**Course title:** Dentoalveolar and Maxillofacial Surgery (4)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 10.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Propedeutics of Dental Medicine I, II, III, IV, V; Preventive Dental Medicine I, II; Conservatory Dental Medicine and Endodontics I, II, III, IV; Dental Prosthetics I, II, III, IV; Dentoalveolar and Maxillofacial Surgery I, II, III

Course requirements:
Continuous assessment test: minimum pass mark 65%.
A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below. 80% share of the overall grade.
Independent work: Performing prescribed procedures in the patient's oral cavity in the context of tooth extractions and the application of local anaesthesia. Contribution to the overall assessment 20%.
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:
The graduate of the course acquires comprehensive information and knowledge about inflammation in the oromaxillofacial area. The student will get acquainted with their etiological factors, diagnostic and treatment options. The student is able to analyse the risk arising from possible complications. Understand the complexities of the differential diagnosis of oromaxillofacial inflammation. Manage patients with oromaxillofacial inflammation of dentogenic origin. Understand the specific and non-specific inflammation in the oromaxillofacial region. The student will master the problems of inflammation and necrosis of the bones of the facial skeleton. Gain a comprehensive knowledge of salivary gland and temporomandibular joint diseases. Understand their aetiology, learn the diagnostic procedures for these diseases, be able to indicate the correct therapeutic procedures and know how to prevent their occurrence.
The acquired theoretical knowledge can be applied when working with patients in the dental clinic, operating theatres and in the bed ward of the KSaMCH.

Class syllabus:

Periocular inflammation of dentogenic origin: anatomical demarcation of spaces, etiology, modes of spread, diagnosis, therapy, complications.
Specific and non-specific inflammation in the oro-maxillofacial region.
Inflammations of the bones of the facial skeleton: acute and chronic ostitis, osteomyelitis, etiology, diagnosis, therapy and complications.
Osteoradionecrosis, drug-related osteonecrosis and systemic bone diseases in the OMF region: diagnosis, differential diagnosis, treatment, complications and prevention.
Lymph node diseases in the OMF region: etiology, symptomatology, diagnosis, differential diagnosis, treatment and complications.
Salivary gland diseases: etiology, diagnosis, treatment and complications.
Diseases of the temporomandibular joint: classification, etiology, diagnosis and treatment.

Recommended literature:

Pazdera, J.: Základy ústní a čelistní chirurgie. 4 vyd. Olomouc: Univerzita Palackého, 2016, 336 s., ISBN 978-80-244-4915-9.
Kizek, P., Minčík, J., Schwartzová, V., Kučera, J., Novák. B.: Propedeutika ústnej, čeľustnej a tvárovej chirurgie. Košice, Rotaprint, s.r.o., 2017, 189 s., ISBN 978-80-972772-9-1.
Dostálová., T., Seydlová, M. a kol.: Stomatologie. Praha.: Grada, 2008, 196 s., ISBN 978-80-247-2700-4.
Satko, I., Stanko, P., Švidráň. J.: Orálna a maxilofaciálna chirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013, 308 s., ISBN 978-80-223-3366-5.
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.
Ďurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993, 250 s., ISBN 80-217-0496-9.
Lemeš, L. a kol.: Topografická anatomie pro stomatology. Praha: Avicenum, 1984, 246 s.
Wotke, J.: Patologie orofaciální oblasti. Praha: Avicenum Grada publishing, 2001, 335 s., ISBN 80-7169-975-6.
Stárek, I., Černý, L., Simpson, R. W. H. a kol.: Choroby slinných žláz. Praha: Grada, 2000, 266 s., ISBN 80-7169-966-7.
Hirjak, D., Machoň, V.: Atlas léčby onemocnění temporomandibulárního kloubu. Praha: Triton, 2014, 316 s., ISBN 978-80-7387-807-8.

Languages necessary to complete the course:

slovak/english

Notes:

Past grade distribution

Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
92,59	0,0	7,41	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Ján Staško, PhD., MUDr. Igor Malachovský, PhD., MUDr. Katarína Mikušková, PhD.

Last change: 27.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-089/21	Dentoalveolar and Maxillofacial Surgery (5)

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 150s
Form of the course: on-site learning

Number of credits: 7

Recommended semester: 11., 12..

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Propedeutics of Dental Medicine I, II, III, IV, V; Conservatory Dental Medicine and Endodontics I, II, III, IV; Dental Prosthetics I, II, III, IV; Dentoalveolar and Maxillofacial Surgery I, II, III, IV; Maxillofacial Orthopaedics I

Course requirements:
Continuous assessment test: minimum pass mark 65%.
A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and below. 80 % share of the overall grade
Independent work: Performing prescribed procedures in the patient's oral cavity in the context of tooth extractions and application of local anaesthesia. Contribution to the overall assessment 20%.
Final examination in the form of a test: minimum pass mark 65%.
A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% or less. 80% share of the overall grade.
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:
By completing the course, the student acquires comprehensive knowledge of the problems of injuries in the OMF area. The student will understand the classification of fractures of the facial skeleton. The student acquires the ability to analyze, diagnose and design a treatment plan for patients with injuries in the maxillofacial region. Knows how to conservatively address simple mandibular fractures - by loading maxillo-mandibular immobilization. Familiarise with soft tissue injuries of the oromaxillofacial region. Gain an overview of the management of the polytrauma patient.
By completing this course, the student will understand the etiology, prevention, and principles of dispensary management of patients with precancerous lesions and tumors in the oromaxillofacial region. The student will acquire a comprehensive knowledge of benign epithelial and mesenchymal

tumors, odontogenic tumors, and benign bone lesions in the oromaxillofacial region. He will understand their classifications, the principles of examination, differential diagnosis, diagnosis and treatment.
The acquired theoretical knowledge can be applied when working with patients in the dental outpatient clinic, operating theatres and in the bed ward of the KSaMCH.

Class syllabus:
Traumatology of the oromaxillofacial region: etiology of injuries, clinical signs, principles of examination.
Classification of fractures of the facial skeleton.
Conservative and surgical treatment of fractures of the facial skeleton.
Complications of facial skeletal fractures.
Etiology of malignant and benign tumors of the oromaxillofacial region.
Precancerous lesions: definition, classification, etiology, differential diagnosis, diagnosis and treatment.
Dispensing of patients with precancerous and malignant tumors of the oromaxillofacial region: objectives and methods.
Prevention of malignant and benign tumours of the oromaxillofacial region.
Benign epithelial and mesenchymal tumours of the oromaxillofacial region: classification, clinical features, principles of examination, differential diagnosis, diagnosis, treatment and complications.
Odontogenic tumors: classification, clinical features, principles of examination, differential diagnosis, diagnosis, treatment and complications.
Benign bone lesions in the OMF region: classification, clinical features, principles of examination, differential diagnosis, diagnosis, treatment and complications.

Recommended literature:
Pazdera, J.: Základy ústní a čelistní chirurgie. 4 vyd. Olomouc: Univerzita Palackého, 2016, 336 s., ISBN 978-80-244-4915-9.
Mazánek, J.: Orofaciální onkologie. 2018, Praha: Triton, 2018, 423s., ISBN 9788075535214.
Mazánek, J.: Traumatologie orofaciální oblasti. Praha: Grada, 2006, 200s., 978-80-247-6359-0.
Satko, I., Stanko, P., Švidráň. J.: Orálna a maxilofaciálna chirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013, 308 s., ISBN 978-80-223-3366-5.
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.
Ďurovič, E., Hrubala, D.: Atlas stomatologickej rádiodiagnostiky. Martin: Osveta, 1993, 250 s., ISBN 80-217-0496-9.
Lemeš, L. a kol.: Topografická anatomie pro stomatology. Praha: Avicenum, 1984, 246 s.

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 8

A	ABS0	B	C	D	E	FX
12,5	0,0	50,0	25,0	12,5	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Ján Staško, PhD., MUDr. Igor Malachovský, PhD., MUDr. Katarína Mikušková, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.DK/J-S-ZL-055/18	Dermatovenerology

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
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: 35

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 Péč, CSc., MUDr. Tatiana Hurtová, PhD.

Last change:

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-058/18	Diploma Thesis Seminar (1)

Educational activities:
Type of activities: seminar
Number of hours:
per week: 1 **per level/semester:** 14
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
Scale of assessment (preliminary/final): individual work, credit

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:
Acquaintance with the internal regulations related to the process of writing diploma thesis. Acquaintance with the basic stages of the diploma thesis. An option of a specific topic of thesis. Strategy of diploma thesis (dedline plan). The warp of diploma thesis and the main goals of assignments. Information research-literature and documents suitable for thesis. Consultation.

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 language

Notes:

Past grade distribution
Total number of evaluated students: 35

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., doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Lukáš Plank, CSc., prof. MUDr. Katarína Adamicová, PhD., MUDr. Tomáš Balhárek, PhD., MUDr. Jozef Mičák, PhD., MUDr. Petra Kolenčíková, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-070/21	Diploma Thesis Seminar (2)

Educational activities:
Type of activities: seminar
Number of hours:
per week: **per level/semester:** 50s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 9.

Educational level: I.II.

Prerequisites: JLF.KHT/J-S-VL-595/22 - Diploma Thesis Seminar (2)

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:

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: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Lukáš Plank, CSc., prof. MUDr. Katarína Adamicová, PhD., MUDr. Tomáš Balhárek, PhD., MUDr. Jozef Mičák, PhD., MUDr. Petra Kolenčíková, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-079/19	Diploma Thesis Seminar (3)

Educational activities:
Type of activities: seminar
Number of hours:
per week: **per level/semester:** 50s
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.KHT/J-S-VL-595/22 - Diploma Thesis Seminar (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 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: 27

A	ABS0	B	C	D	E	FX
96,3	0,0	0,0	3,7	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Lukáš Plank, CSc., prof. MUDr. Katarína Adamicová, PhD., MUDr. Tomáš Balhárek, PhD., MUDr. Jozef Mičák, PhD., MUDr. Petra Kolenčíková, PhD.

Last change: 06.04.2022

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-SS3/21	**Course title:** Diploma Thesis and Defense of Diploma Thesis
Number of credits: 3	
Recommended semester: 11., 12..	
Educational level: I.II.	
Prerequisites: JLF.KSMCh/J-S-ZL-079/19 - Diploma Thesis Seminar (3)	
Course requirements: Elaboration of the final version of the diploma work, submission of the diploma thesis, powerpoint 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: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚA/J-S-ZL-095/20	Effective Learning Methods

Educational activities:
Type of activities: lecture
Number of hours:
per week: 1 **per level/semester:** 14
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 1.

Educational level: I.II.

Prerequisites:

Course requirements:
Participation in lectures. Participation and evaluation of the questionnaires: motivation for learning, learning styles, coping strategies. Time management diary for successful learning.
Scale of assessment (preliminary/final): 50/100Evaluation:A:95% - 100%, B:88% - 94%, C: 77% - 87%, D: 86% - 76%, E: 60% - 65%

Learning outcomes:
The graduates acquire the information about the effective learning strategies based on the latest evidences from neuropsychology and neuropedagogy, useful information about the memory, forgetting curve, motivation and concentration. Students identify preferred learning styles by using verified questionnaires. The effect of the stress and anxiety on the academic success and learning will be discussed.

Class syllabus:
Learning processes, brain compatible learning. Motivation for learning. Concentration. Memory, repetition and Ebbinghaus forgetting curve. Multitasking and the brain. Time management for learning, procrastination. Learning styles. Sleep, memory and learning. Regime and learning. Stress, memory and learning. Exam stress. Coping strategies and autogenic training. Learning with digital technologies. Alternative learning techniques.

Recommended literature:
Boleková, Výbohová, Hešková et al. Ako sa učiť a nezabúdať – Princípy mozgovo-kompatibilného učenia. Univerzita Pavla Jozefa Šafárika v Košiciach, ŠafárikPress, Košice 2020, ISBN 978-80-8152-898-9 https://unibook.upjs.sk/sk/lekarska-fakulta/1390-ako-sa-ucit-a-nezabudat-principy-mozgovo-kompatibilneho-ucenia
Hanáček, Mokrý a spol. Trendy v medicínskom vzdelávaní a hodnotenie jeho výsledkov, Osveta, Martin, 2018.
Vašasová, Kaliská, Žitniaková Gurgová. Vybrané kapitoly zo psychológie učenia, OZ PF Univerzity myteja Bela, Banská Bystrica, 2017.
Tepperwein. Ako sa ľahko učiť, Eko-konzult, Bratislava, 2004.

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: doc. MUDr. Desanka Výbohová, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚHE/J-S-ZL-097/21	Elements of Embryology

Educational activities:
Type of activities: practicals
Number of hours:
per week: 1 **per level/semester:** 14
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 3.

Educational level: I.II.

Prerequisites:

Course requirements:
80% participation on teaching process (at least 11 weeks), final test
Evaluation: A - Fx
Scale of assessment (preliminary/final): 20/80

Learning outcomes:
Review of human prenatal development with emphasis on chosen organs/systems, considering the fundamental knowledge from cell biology and genetics in given aspects. Attention being paid especially to teratogenic agents.

Class syllabus:
1) Introduction to embryology, gametogenesis, fertilization.
2) First month of intrauterine development - Review.
3) Placenta development and clinical correlations.
4) Development of CNS and PNS with clinical correlations.
5) Development of cardiovascular system and clinical correlations.
6) Development of respiratory system and clinical correlations.
7) Development of digestive system and clinical correlations.
8) Development of endocrine system and clinical correlations.
9) Development of urogenital system and clinical correlations.
10) Development of skin and its derivatives with clinical correlations.
11) Multiple pregnancy and clinical correlations.
12) Developmental defects and congenital anomalies (genetic, chemical, physical a biological factors).
13) On-demand lecture selected by students.

Recommended literature:
Obligatory literature:
Sadler T.W.: Langmanova lékařská embryologie. Grada, 2010, 414 s., ISBN 9788024726403
Recommended literature:

Kapeller, K., Pospíšilová, V.: Embryológia človeka. Martin: Osveta, 2001, 370 s. ISBN 80-8063-072-0

Languages necessary to complete the course:
slovak, 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. Marian Adamkov, DrSc.

Last change: 16.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚO/J-S-ZL-031/17	Ethics in medicine

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 6.

Educational level: I.II.

Prerequisites:

Course requirements:
Active participation in seminars. Two knowledge tests (continuous and final) written with min. 60% success rate. Overall evaluation of the course based on the results of the first and second test:
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%.
Scale of assessment (preliminary/final): 50/50

Learning outcomes:
By completing the course, the student acquires knowledge of the basic problems of medical ethics and bioethics in the context of dentistry. The student understands the principles of medical ethics and their importance in education, practice, and research in the field of medicine. The student can apply knowledge to case studies, can analyse them, identify problems and dilemmas and propose solutions. The course contributes to the formation of moral attitudes of students to medicine, patients, and other health professions in a team.

Class syllabus:
Introduction to general ethics. Ethics, morality, and moral reasoning. Basic ethical theories in the context of medical ethics. Ethics and law.
Introduction to medical ethics. Basic terminology of medical ethics. Hippocratic tradition and oath. Medical oath of the World Medical Association (Geneva Declaration). Principles of medical ethics and their application. Code of ethics. Specifics of ethics in dentistry.
Dignity. Patients' rights. The doctor-patient relationship. Paternalism and partnership.
Informed consent and the right to refuse treatment. Ethical aspects of providing information.
Ethics at the beginning of human life (contraception, sterilization, assisted reproduction, abortion).
Basics of thanatology. Dying with dignity. The issue of euthanasia and assisted suicide.
Ethical aspects of biomedical research and publishing. Ethics committee.

Recommended literature:
American College of Dentists. Ethics Handbook for Dentists: An Introduction to Ethics, Professionalism, and Ethical Decision Making [online]. Gaithersburg: Maryland,

2012. Dostupné na internete: https://www.dentalethics.org/wp-content/uploads/Ethics_Handbook_for_Dentists_2016.pdf
American Dental Association. Council on Ethics, Bylaws and Judicial Affairs. ADA Principles of Ethics and Code of Professional Conduct. Chicago: ADA, 2020. Dostupné na internete: https://www.ada.org/-/media/project/ada-organization/ada/ada-org/files/about/ada_code_of_ethics.pdf?rev=82d95a7422ac47f6bd7cb856be68e359&hash=B429E3FC0E5A2131978DAB037CA73F70
DA.org/ethics
Beauchamp L.T., Childress, F.J. Principles of Biomedical Ethics. 6th. ed. New York, Oxford : Oxford University Press, 2009, 417 p. ISBN 978-0-19-533570-5.
Čáp, J. Lekárska etika pre študijný program Zubné lekárstvo – súbor prezentácii. Multimediálna podpora výučby klinických a zdravotníckych disciplín :: Portál Jesseniovej lekárskej fakulty Univerzity Komenského [online] 14.10.2015, posledná aktualizácia 14.10.2015. Dostupné na internete: http://portal.jfmed.uniba.sk/clanky.php?aid=304
Čáp, J., Palenčár, M., Kurucová, R. Ľudská dôstojnosť v kontexte smrti a umierania. Martin: Vydavateľstvo Osveta, 2016.
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.
Charta práv pacienta v Slovenskej republike.
Nemčeková, M., Žiaková, K., Mištuna, D. Práva pacientov : Medicínske, ošetrovateľské a filozoficko-etické súvislosti. 1. vyd. Martin : Osveta, 2004. 213 s. ISBN 80-8063-162-X.
Príručka lekárskej etiky. Svetová asociácia lekárov. 2008. ISBN 978-80-8095-036-1
Ptáček, R., Bartůněk et al. Etika a komunikace v medicíně. Praha: Grada, 2011.
Ptáček, R., Bartůněk et al. Etické problémy medicíny na prahu 21. století. Praha: Grada, 2014.
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:
The subject is supported by MS Teams.

Past grade distribution
Total number of evaluated students: 43

A	ABS0	B	C	D	E	FX
90,7	0,0	9,3	0,0	0,0	0,0	0,0

Lecturers: doc. Mgr. Juraj Čáp, PhD.

Last change: 23.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚCJ/J-S-ZL-003/15	Foreign Language for Dental Medicine (1)

Educational activities:
Type of activities: practicals
Number of hours:
per week: 2 **per level/semester:** 28
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 1.

Educational level: I.II.

Prerequisites:

Course requirements:
95% participation in seminars, two written credit tests, the minimum percentage to pass each test is 60%.
Evaluation: A: 91-100%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, FX: less than 60%
Scale of assessment (preliminary/final): 50% / 50%

Learning outcomes:
The output of the foreign language education is to address professional needs of dental students as future doctors in practising and acquiring effective reading strategies and skills (study skills) needed for obtaining and processing medical information from foreign resources and in acquiring such productive skills that enable them to function effectively in typical professional situations and contexts.

Class syllabus:
English Language:
1. Medical education
Reading: Study at the University. Medical language: Medical Subjects and Specialties. Video: A Day in a Life of a Dental Student. Famous personalities: Jan Jessenius.
2. Head anatomy
Reading: Head and Neck Anatomy. Medical language: Describing the human body: Locative adjectives, Verbs describing position and direction, Locative adverbs and prepositions.
3. The oral cavity
Idioms. Reading: The Oral Cavity. Medical language: Numbers and Shapes. Video: Eruption of Teeth.
4. Tooth anatomy
A language knowledge test. Reading: Tooth anatomy. Medical language: Derived Adjectives. Video: Tooth Anatomy.
5. Dentistry
Reading: Dentistry. Medical language: Formation of Medical Terms. Video: Modern dentistry & technology. Supplementary reading: Stomatitis.
6. 1st credit test

7. Dental practice
Common vocabulary used in a dental office. Listening: Departments in a Dental Practice. Reading: The Dental Centre. Basic Dental Instruments. Medical language: Important Terms with Examples. Video: Sterilization and Disinfection of Dental Instruments.
8. Communication in the dental practice
Reading: Communication in the Dental Practice. Video: Communication in Dentistry. Medical language: Effective Words and Phrases. Supplementary reading: Why people are afraid of a dentist?
9. Interviewing the patient
Appropriate headings for the dialogues. Reading: Taking a Patient's History. Medical language: Instructions, Commands, Requests. Video: Dialogues at the dentist.
10. Common dental problems
Brainstorming. Quiz. Reading: Common Dental Problems. Medical language: Compound Adjectives. Listening: Common dental problems.
11. Inflammatory diseases
Reading: Regular and Irregular Plural. Listening: Plaque and Your Teeth. Video: Gingivitis Bleeding Gums.
12.-13. Dental caries
Reading: Dental Caries. Classification of Cavities. Medical language: Causative Use of have and to be used to. Video: Dental Caries (Animation). Tooth Decay. Supplementary reading: Fissure Sealants.
14. 2nd credit test
German Language:
1. Anatomie-Unterricht
Anatomie des menschlichen Körpers: Körperteile, Skelett. Typen und Bau der Knochen; Gelenktypen. Im Anatomieunterricht. Grammatik: Konjugation der unregelmäßigen Verben – Präsens.
2. Anatomie und Krankheiten
Gelenkerkrankungen: Arthrose. Künstliche Körperteile. Anatomieunterricht am Tablet-PC. Grammatik: Passivformen.
3. Kardiologie und Herzerkrankungen
Das Herz. Lungen- und Körperkreislauf. Myokardinfarkt – Ursachen, Symptome und Therapie. Grammatik: Deklination von Adjektiven, Imperativ.
4. Pneumologie
Aufbau der Atmungsorgane. Funktion der Atmungsorgane. Atmung des Menschen. Grammatik: Trennbare und untrennbare Verben.
5. Lungenerkrankungen
Erkrankungen der Lunge. Die häufigsten Atemwegserkrankungen. Gespräch beim Hausarzt.
Grammatik: Verben – Vergangenheit.
6. Test I
7. Urologie
Das Urogenitalsystem. Urogenitaltrakt bei der Frau und beim Mann. Aufbau und Funktion der Nieren. Grammatik: Nebensätze
8. Erkrankungen der Nieren und Harnwege
Erkrankungen der Prostata (Vorsteherdrüse). Harnsteine (Urolithiasis). Harnwegsinfekt; Blasenschwäche (Harninkontinenz). Grammatik: Infinitiv mit zu
9. Verdauung
Aufbau und Funktion des Verdauungssystems. Der Verdauungsprozess. Erkrankungen des Verdauungstraktes: Darmerkrankungen. Darmspiegelung (Koloskopie). Grammatik: Hilfsverben mit Infinitiv + zu; Präpositionen mit Dativ und Akkusativ.

10. Gynäkologie und Geburtshilfe
Frauenheilkunde. Anatomie der Gebärmutter. Geburtshilfe. Grammatik: Wortbildung
11. Frauenkrankheiten und Schwangerschaft
Brustkrebs. Postmenstrualsyndrom. Gefahren in der Schwangerschaft. Grammatik: Mehrteilige Konjunktionen
12. Hämatologie
Das Blut – Zusammensetzung des Blutes. Physiologie des Blutes – Hämostase. Blutgruppen-Systeme, Rhesus- Faktor. Grammatik: Partizipien als Adjektivattribute.
13. Bluterkrankungen
Anämie. Hämophilie. Leukämie – Blutkrebs. Grammatik: Präpositionen mit Genitiv
14. Test II

Recommended literature:
English language:
Džuganová, B. (2015) English for dental students. Bratislava: Vydavateľstvo UK.
Studziňska-Pasieka, K. – Otto, M. (2011): Open Your English Wider!!! English for dental professionals. Bestom. Poľsko
Internet
German language:
Bujalková, M., Barnau, A. (2018) Fachdeutsch Medizin. Ein Lehrbuch für zukünftige Ärzte. Martin: Osveta,

Languages necessary to complete the course:
English language/German language

Notes:

Past grade distribution
Total number of evaluated students: 65

A	ABS0	B	C	D	E	FX
55,38	0,0	30,77	10,77	3,08	0,0	0,0

Lecturers: PhDr. Božena Džuganová, PhD., Mgr. Anna Barnau, PhD.

Last change: 18.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚCJ/J-S-ZL-007/15	Foreign Language for Dental Medicine (2)

Educational activities:
Type of activities: practicals
Number of hours:
per week: 2 **per level/semester:** 28
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 2.

Educational level: I.II.

Prerequisites:

Course requirements:
one written test and one PowerPoint presentation, a final written and oral exam, the minimum percentage to pass each part is 60%.
Evaluation: A: 91-100%, B: 90-81%, C: 80-73%, D: 72-66%, E: 65-60%, FX: less than 60%
Scale of assessment (preliminary/final): 40% / 60%

Learning outcomes:
The output of the foreign language education is to address professional needs of dental students as future doctors in practising and acquiring effective reading strategies and skills (study skills) needed for obtaining and processing medical information from foreign resources and in acquiring such productive skills that enable them to function effectively in typical professional situations and contexts.

Class syllabus:
English Language:
1. Tooth charting
Reading: Universal Tooth Numbering System. Video: 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
2. Dental hygiene
Reading: Dental Care. Medical language: Derived Adjectives. Video: How to Brush Your Teeth in 4 Simple Steps, Student's power-point presentation of a chosen topic.
3. Malocclusions
Reading: Malocclusions. Medical language: Prepositional Verbs. Listening: What is Malocclusion? Video: Introduction to Orthodontics. Supplementary reading: Prognathism.
4. Orthodontics
Recognition of Appliances. Reading: Orthodontics. Medical language: Relative clauses. Short-Form Clauses. Video: Adult Orthodontic Treatment. Supplementary reading: Dental Impression.
5. Tooth anomalies

Tooth anomalies. Survey of Tooth Anomalies. Reading: Supernumerary Teeth. Hypodontia. Medical language: Negative Prefixes. Supplementary reading: Inherited Deformities and Disorders. Student's power-point presentation of a chosen topic.
6. Credit test 1
7. Tooth wear
Reading : Attrition, Abrasion, Erosion. What is Bruxism? Medical language: The Passive voice. Video: Bruxism. Student's power-point presentation of a chosen topic.
8. - 9. Dental restorations
Idioms. Reading: Dental Restorations. Medical language: Word Formation – Useful Suffixes. Listening: Dental Health and Tooth Restorations. Medical history: Historical Dental Fillings. Student's power-point presentation of a chosen topic.
10. Cosmetic dentistry
Causes of Tooth Discolouration. Reading: Cosmetic Dentistry. Medical language: Prepositions. Listening: Teeth Whitening: Who Should Not Undergo Teeth Whitening? Video: Tooth Bonding. Student's power-point presentation of a chosen topic.
11. Prosthodontics
Images of Prosthodontic Treatment. Reading: Prosthodontics. Dental Implants. Medical English: Synonyms and Antonyms. Listening: Dental Implants. Student's power-point presentation of a chosen topic.
12. Implants
Reading: Interesting Facts about Dental Implants Video: Implant vs. bridge. Single toot implant Student's power-point presentation of a chosen topic
13. – 14. Student's power-point presentations
German Language:
1. Otorhinolaryngologie
Womit beschäftigt sich ORL? Aufbau und Funktion des Ohres, das Hören. Die Nase – Aufbau und Funktion. Grammatik: Erweiterte Partizipialattribute
2. H-N-O-Krankheiten
Heuschnupfen, Sinusitis, Angina, Larynxkarzinom, Tinnitus, Otitis media. Formen von Sinusitis. Medizinische Berufe. Grammatik: n-Deklination der Substantive
3. Stomatologie
Aufbau der Zähne. Milchgebiss. Erwachsenengebiss. Grammatik: Pronominaladverbien und Fragewörter.
4. Zahnerkrankungen
Karies, Plaque, Parodontitis und Zahnausfall. Stufen bei Karies. Gespräch beim Zahnarzt. Grammatik: Antonyme.
5. Endokrinologie
Die exokrinen und endokrinen Drüsen. Hormone – chemische Botenstoffe des Körpers. Funktion und Wirkung der Hormone. Grammatik: Direkte und indirekte Fragesätze.
6. Stoffwechsel- und Hormonerkrankungen
Schilddrüsenerkrankungen. Zuckerkrankheit (Diabetes mellitus). Fettstoffwechselerkrankungen.
7. Test I
8. Augenheilkunde
Aufbau des Auges. Funktion des Auges. Sehvorgang, Akkomodation. Grammatik: Nominalisierung von Verben und Adjektiven.
9. Augenkrankheiten & Sehschwäche
Altersbedingte Augenkrankheiten und Augenentzündungen. Sehschwäche – Fehlsichtigkeit (Weit-, Kurz- und Stabsichtigkeit). Refraktive Chirurgie. Grammatik: Passiversatzformen.
10. Dermatologie

Aufbau der Haut. Funktion der Haut. Hauterkrankungen (Hautkrebs, Neurodermitis). Grammatik: Personal-, Reflexiv- und Relativpronomen.
11. Pädiatrie
Kinderheilkunde und Jugendmedizin. Häufige Kinderkrankheiten (Mumps, Röteln, Scharlach, Windpocken). Vorsorgeuntersuchungen für Kinder und Jugendliche. Grammatik: Nebensätze – Temporalsätze.
12. Neurologie
Zentrales und peripheres Nervensystem. Das Gehirn und die Verknüpfungen im Gehirn. Funktionen der Gehirnbereiche. Grammatik: Konjunktiv II
13. Neurologische Erkrankungen
Erkrankungen des menschlichen Nervensystems. Alzheimer – Krankheit des Vergessens. Ratschläge für Alzheimer-Patienten. Grammatik: Ratschläge für das Lösen eines Problems.
14. PowerPoint-Präsentationen der Studenten.

Recommended literature:
English language:
Džuganová, B. (2015) English for dental students. Bratislava: Vydavateľstvo UK.
Studziňska-Pasieka, K. – Otto, M. (2011): Open Your English Wider!!! English for dental professionals. Bestom. Poľsko
Internet
German language:
Bujalková, M., Barnau, A. (2018) Fachdeutsch Medizin. Ein Lehrbuch für zukünftige Ärzte. Martin: Osveta.

Languages necessary to complete the course:
English language/German language

Notes:

Past grade distribution
Total number of evaluated students: 64

A	ABS0	B	C	D	E	FX
73,44	0,0	23,44	1,56	1,56	0,0	0,0

Lecturers: PhDr. Božena Džuganová, PhD., Mgr. Anna Barnau, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚSLME/J-S-ZL-051/18	Forensic Medicine and Medical Legislative

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 7.

Educational level: I.II.

Prerequisites: JLF.ÚPA/J-S-ZL-028/17 - Pathological Anatomy for Dental Medicine (1) and JLF.ÚPF/J-S-ZL-029/17 - Pathological Physiology for Dental Medicine (1) and JLF.ÚPA/J-S-ZL-037/21 - Pathological Anatomy for Dental Medicine (2) and JLF.ÚPF/J-S-ZL-038/17 - Pathological Physiology for Dental Medicine (2)

Course requirements:
Exam

Learning outcomes:
The student has to have basic informations concerning Penal and Civil Code and his/her legal responsibilities in the medical profession. He/she is able to evaluate various forms of violence towards the human beings, even with the application of marginal forensic disciplines (toxicology, serology, criminalistics, balistics, biomechanics). After the course of Forensic Medicine the student is well prepared for administrative and practical tasks in medical examination of cadavers and the crime scene. While asked by the police authorities he/she is competent to perform the general overlook of the living persons being suspected of the criminal activity, both as offencers or victims. The information pool of forensic medicine should be applied by the student also in the other medical disciplines.

Class syllabus:
I. Basics of Penal and Civil Code, legal responsibilities in a medical profession.
II. Forensic thanatology.
III. Administrative and practical tasks on the crime scene investigation.
IV. Basics of forensic alcohology and toxicology.
V. Forensic traumatology, evaluation and insurance compensation of traumatic accidents
VI. Drugs and drug abuse, types of dependencies
VII. Medical aspects of traffic accidents, single and double-trace vehicles
VIII. Injuries caused by firearms, explosives

Recommended literature:

Languages necessary to complete the course:
Slovak language

Notes:

Past grade distribution
Total number of evaluated students: 35

A	ABS0	B	C	D	E	FX
80,0	0,0	14,29	2,86	2,86	0,0	0,0

Lecturers: prof. MUDr. Ľubomír Straka, PhD., prof. MUDr. František Novomeský, PhD., doc. MUDr. Jozef Krajčovič, PhD., doc. MUDr. Martin Janík, PhD.

Last change: 21.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.GPK/J-S-ZL-068/19	Gynecology and Obstetrics

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Course requirements:
85% compulsory attendance at practical exercises, oral exam
Scale of assessment (preliminary/final): Final evaluation

Learning outcomes:
Credits

Class syllabus:
Anatomy of female genitals. Spontaneous labor.
Fetal monitoring. Postpartum period.
Basic gynecological and obstetric examinations.
Selected gynecological pathologies (endometriosis, precanceroses and malignancies).
Embryological development of the orofacial structures. Congenital malformations of the orofacial region.
Congenital epulis and tumors of the fetal orofacial region.
Oral health and dental care during pregnancy. Oral health and pregnancy loss, premature birth. Pregnancy gingivitis. Pregnancy periodontitis.
Epulis gravidarum (Granuloma gravidarum). Stomatological malignancies in pregnancy. Stomatological pharmacotherapy during pregnancy. Imaging methods in dentistry of pregnant women.

Recommended literature:
Povinná literatúra
Danko, J. a kol.: Aktuálny stav diagnostiky hypoxie plodu, Bratislava: Vydavateľstvo UK, 2014, 172 s., ISBN 978-80-223-3566-9
Roztočil A. a kol.: Moderní porodnictví. 2. vyd., Grada, 2017, 656 s., ISBN: 978-80-247-5753-7.
Odporúčaná literatúra
Dubová O., Zikán M.: Praktické repetitorium gynekologie a porodnictví. Maxdorf. 2. vyd., 2022, 866 s., ISBN: 978-80-7345-716-7.
Pilka R.: Gynekologie. Maxdorf, 2017, 332 s., ISBN: 9788073455309. Kolařik D. a kol.: Repetitorium gynekologie. Maxdorf, 2012, 1070 s., ISBN: 9788073452674.

Biringer K.: Gynekologická endokrinológia v adolescentnom veku. In: Dorastové lekárstvo. Martin: Osveta, 2014. ISBN 978-80-8063-419-3, s. 285-312.
Biringer K.: Gynekologická sonografia v adolescentnom veku. In: Dorastové lekárstvo. Martin: Osveta, 2014. ISBN 978-80-8063-419-3, s. 313-328.
Danko, J., Mlynček, M. Vybrané kapitoly z gynekológie a pôrodníctva I. Bratislava: UK, l99l. (dotlač 2015) 114 s., skriptá ISBN 80-223-0376-3
Danko, J. a kol. Vybrané kapitoly z gynekológie a pôrodníctva II. Bratislava: UK, l995. (dotlač 2014) 207 s., skriptá ISBN 80-2230-904-4
Danko, J. a kol. Vybrané kapitoly z gynekológie a pôrodníctva III. Bratislava: UK, 1999. (dotlač 2014) 190 s., skriptá ISBN 80-2231-358-0

Languages necessary to complete the course:
Slovak language

Notes:

Past grade distribution
Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
96,3	0,0	0,0	3,7	0,0	0,0	0,0

Lecturers: doc. MUDr. Kamil Biringer, PhD., doc. MUDr. Erik Kúdela, PhD., prof. MUDr. Jozef Višňovský, CSc., MUDr. Imrich Žigo, CSc., MUDr. Michaela Hrtánková, PhD., MUDr. Štefan Krivuš, CSc., MUDr. Zuzana Laučeková, PhD., MUDr. Marcela Ňachajová, PhD., MUDr. Jana Siváková, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚHE/J-S-ZL-010/18	Histology and Embryology for Dental Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 2 **per level/semester:** 42 / 28
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 practical 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 conpensatory week),
2. student is required to pass 2 written tests (including multiple choice questions with one correct answer; TRUE/FALSE questions; diagram description), minimum percentage to pass each test is 70%,
3. practical (credit exam) – to identify and describe 2 human tissue slides (discussion and final result on responsibility of teacher). Evaluated A-Fx.
Scale of assessment (preliminary/final): 20/80

Learning outcomes:
After completition of the subject, the student understands routine work with light microscope and is able to orient 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.

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 heard wall – endocard, myocard, epicard, conducting system, clinical correlations.
- Cardiovascular system II - embryology, arteries, veins, capillaries, lymphatics, clinical correlations.
- Lymphoid system - embryology, classification of lymphocytes, primary and secondary lymphatic organs and tissues, functional histology of thymus, lymph node, spleen, and tonsil, clinical correlations.
- Differential diagnosis of human tissues and organs.

Recommended literature:

Mescher A.L.: Junqueirovy základy histologie. Galén, 2018, 558 s. ISBN 9788074923241
Sadler T.W.: Langmanova lékařská embryologie. Grada, 2010, 414 s. ISBN 9788024726403
Junqueira L. C., Carneiro J., Kelley R. O.: Základy histológie. Praha H&H, 2002, 502 s. ISBN 80-
8578-737-7
Kapeller, K., Pospíšilová, V.: Embryológia človeka. Martin: Osveta, 2001, 370 s. ISBN 80-8063-072-0
Kapeller, K., Strakele, H.: Cytomorfológia. Martin: Osveta, 1999, 237 s. ISBN 80-88824-79-6
Adamkov M.: Priečne pruhovaný sval a myofasciálna bolesť hlavy. Druhé doplnené a prepracované
vydanie. Vydavateľstvo P+M Turany. 2020, 111 s. ISBN: 978-80-89694-69-3.
Adamkov M.: Apoptóza a antiapoptotický proteín survivin ako sľubný nádorový biomarker. Rank Germany, 2020, 156 s. ISBN 978-3-9812043-9-1
Berkovitz B. K. B., Holland G. R., Moxham B. J.: Oral Anatomy, Histology and Embryology, 5th edition. Elsevier, 2018, 462 s. ISBN 978-0-7234-3812-0
Chiego D.: Essentials of Oral Histology and Embryology. A Clinical Approach. 5th Edition. Elsevier-Health Science Division, 2018, 231 s. ISBN 9780323497251

Languages necessary to complete the course:

Slovak language

Notes:

Past grade distribution

Total number of evaluated students: 37

A	ABS0	B	C	D	E	FX
59,46	0,0	32,43	8,11	0,0	0,0	0,0

Lecturers: prof. MUDr. Marian Adamkov, DrSc., doc. MVDr. Soňa Bálentová, PhD., Ing. Veronika Cígerová, PhD., RNDr. Mária Kovalská, PhD., RNDr. Veronika Mešťanová, PhD., MUDr. Eva Ochodnická, CSc.
Last change: 05.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚHE/J-S-ZL-013/16	Histology and Embryology for Dental Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 2 **per level/semester:** 42 / 28
Form of the course: on-site learning

Number of credits: 7

Recommended semester: 3.

Educational level: I.II.

Prerequisites: JLF.ÚHE/J-S-ZL-010/18 - Histology and Embryology for Dental Medicine (1)

Course requirements:
- Student actively participates in 93% of all practical sessions (a student is allowed to miss out one practical 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 conpensatory week),
2. student is required to pass 2 written tests (including multiple choice questions with one correct answer; TRUE/FALSE questions; diagram description), 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 ontogenetic relations. Student is able to reproduce functional histology and morphology of teeth in detail and in association with their development. 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:

- Respiratory system - embryology, general organization and subdivision, upper portion, trachea, bronchial tree, respiratory portion, BALT, 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, hormonale regulations, clinical correlations.
- 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, sperma, 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).
- Digestive system I, oral cavity - embryology, lips, epithelial lining, tonsils, tongue, taste buds, papillae, clinical correlations.
- Digestive system II, alimentary canal - embryology, pharynx, esophagus, stomach, small and large intestines, appendix, anus, GALT system, stages of tooth development, clinical correlations.
- Digestive system III, glands - embryology, types of secretory cells, salivary glands, saliva, liver, gallbladder, pancreas; structure of tooth and associated structures - crown, neck, rooth, enamel, dentin, cementum, pulp cavity, eruption of teeth, inervation, nutrition; clinical correlations.
- Differential diagnosis of human tissues and organs.

Recommended literature:

Mescher A.L.: Junqueirovy základy histologie. Galén, 2018, 558 s. ISBN 9788074923241
Sadler T.W.: Langmanova lékařská embryologie. Grada, 2010, 414 s. ISBN 9788024726403
Junqueira L. C., Carneiro J., Kelley R. O.: Základy histológie. Praha H&H, 2002, 502 s. ISBN 80-
8578-737-7

Kapeller, K., Pospíšilová, V.: Embryológia človeka. Martin: Osveta, 2001, 370 s. ISBN 80-8063-072-0
Kapeller, K., Strakele, H.: Cytomorfológia. Martin: Osveta, 1999, 237 s. ISBN 80-88824-79-6
Adamkov M.: Priečne pruhovaný sval a myofasciálna bolesť hlavy. Druhé doplnené a prepracované
vydanie. Vydavateľstvo P+M Turany. 2020, 111 s. ISBN: 978-80-89694-69-3.
Adamkov M.: Apoptóza a antiapoptotický proteín survivin ako sľubný nádorový biomarker. Rank Germany, 2020, 156 s. ISBN 978-3-9812043-9-1
Berkovitz B. K. B., Holland G. R., Moxham B. J.: Oral Anatomy, Histology and Embryology, 5th edition. Elsevier, 2018, 462 s. ISBN 978-0-7234-3812-0
Chiego D.: Essentials of Oral Histology and Embryology. A Clinical Approach. 5th Edition. Elsevier-Health Science Division, 2018, 231 s. ISBN 9780323497251

Languages necessary to complete the course:
Slovak language

Notes:

Past grade distribution
Total number of evaluated students: 53

A	ABS0	B	C	D	E	FX
66,04	0,0	15,09	5,66	9,43	3,77	0,0

Lecturers: prof. MUDr. Marian Adamkov, DrSc., doc. MVDr. Soňa Bálentová, PhD., MUDr. Eva Ochodnická, CSc., RNDr. Mária Kovalská, PhD., RNDr. Veronika Mešťanová, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚMI/J-S-ZL-021/17	Immunology

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 4.

Educational level: I.II.

Prerequisites: JLF.ÚLBl/J-S-ZL-008/21 - Medical Biology and Genetics for Dental Medicine (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: Written exam test or oral exam.
Written exam test - The final grade is determined by counting the points for the test during semester and the final exam test. Oral exam - The oral exam consists of 4 questions. Each one is evaluated separatly. No question could be graduated Fx for successfull exam.
Scale of assessment (preliminary/final): 25%/75%

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 immunoblobulins, their functioun, mechanisms of antibody production, idiotypes, allotype, isotypes. The reached knowledges enable to understand the problems of vaccination, types of vaccines, hypersensitivity, autoimmunity and immunodeficies. Transplantation and tumor immunity are covered at introductional level. The students are able to understand, indicate and interprete the basical immunological diagnostical 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:
Introductiom to immunology
Discrimination between self and non self
Antigens a receptors., Terminology
Nonspecific immunity – bariers, cells, mechanism and functions
Specific immunity – molecules, immunoglobulins, organs and cells differenciation
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 Martina, Nováková Elena, Kompaníková Jana. Imunológia - ako pracuje imunitný systém. Martin : Univerzita Komenského v Bratislave Jesseniova lekárska fakulta v Martine 2017; 189 s. ISBN 978-80-8187-031-6.
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. Návody 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: 44

A	ABS0	B	C	D	E	FX
79,55	0,0	13,64	4,55	2,27	0,0	0,0

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

Last change: 06.04.2022

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.IK1/J-S-ZL-SS2/19	**Course title:** Internal Medicine
Number of credits: 4	
Recommended semester: 9., 10..	
Educational level: I.II.	
Course requirements: Completing clinical practice before the state exams in the range of 100%	
Learning outcomes: The student obtains basic information – knowledge and skills from various fields of internal medicine in the scope necessary for the graduate of the dentistry study programme. The aim is for the graduate to be able to manage the patient in different clinical settings, to apply the acquired theoretical pieces of knowledge, to analyse, to form a working diagnosis, to plan examinations and to recommend adequate therapy.	
Class syllabus: State exam – it consists of the practical exam (patient's medical record) and theoretical exam (2 theoretical questions). Practical part of the state exam: The student picks from a draw one of the study departments JFM UC (The 1st Clinic of Internal medicine, the Clinic of Gastroenterology, the Clinic of Occupational medicine and Toxicology, the Clinic of Tuberculosis and pulmonary diseases, the Clinic of Haematology and transfusiology) typically the day before the date of the theoretical part, where the student performs a practical part according to the instructions of the responsible teaching assistant, a member of the commission. The practical part consists of a complete examination of the patient and processing the patient's medical record, which is composed of taking a medical history, objective examination, differential diagnosis, proposal of examinations and proposal of therapy. Theoretical part of the state exam: It is performed at the respective clinic (the 1st Clinic of Internal medicine, the Clinic of Gastroenterology) in front of the commission for the state exams. The student draws two theoretical questions from various areas of internal medicine.	
State exam syllabus:	
Recommended literature: Mokáň M. a kol.: Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 1. diel, 2004, 206 s. Mokáň M. a kol.: Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 2. diel, 2004, 254 s. Mokáň M. a kol.: Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 3. diel, 2004, 322 s. Klener, P.: Vnitřní lékařství, Praha, Galén , Karolinum, 2011, 1 174 s. Češka, R. a kol.	

Interna. Praha: Triton, 2010, 855.
Souček, M. a kol.
Vnitřní lékařství. Praha: Grada, 2011, 1808 s.
Marek, J. a kol.
Farmakoterapie vnitřních nemocí. Praha: Grada, 2010, 777 s.
Špinar, J. a kol.
Propedeutika a vyšetřovací metody vnitřních nemocí. Praha: Grada, 2008, 255 s.
Klener, P. a kol.
Propedeutika ve vnitřním lékařství. e-kniha. Praha: Galén, 2012.
Cagáň, S. a kol.
Intenrá medicína pre stomatológov I. Bratislava: Univerzita Komenského, 1992.
Balažovjech, I. a kol.:
Interná medicína pre stomatológfov II. Bratislava: Univerzita Komenského, 1997.

Languages necessary to complete the course:
Englisch Languges

Last change: 11.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.IKG/J-S-ZL-049/18	Internal Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 7.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Internal Medicine Propedeutics 2

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 35

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., prof. MUDr. Rudolf Hyrdel, CSc., doc. MUDr. Matej Samoš, PhD., MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., doc. MUDr. Daniela Kantárová, PhD., MUDr. Michal Mokáň, PhD., prof. MUDr. Ivana Dedinská, PhD., MUDr. Jakub Benko, PhD., MUDr. Kristína Brisudová, MUDr. Martin Jozef Péč

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.IKG/J-S-ZL-057/18	Internal Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 8.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Internal Medicine Propedeutics, Internal Medicine 1

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 35

A	ABS0	B	C	D	E	FX
91,43	0,0	8,57	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Rudolf Hyrdel, CSc., doc. MUDr. Katarína Šimeková, PhD., prof. MUDr. Ján Staško, PhD., 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., doc. MUDr. Matej Samoš, PhD., MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., doc. MUDr. Daniela Kantárová, PhD., MUDr. Michal Mokáň, PhD., doc. MUDr. Dana Prídavková, PhD., MUDr. Jakub Benko, PhD., MUDr. Kristína Brisudová, MUDr. Martin Jozef Péč

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.IK1/J-S-ZL-067/19	Internal Medicine (3)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 9.

Educational level: I.II.

Prerequisites: JLF.IKG/J-S-ZL-030/17 - Internal Medicine Propedeutics (1) and JLF.IKG/J-S-ZL-039/21 - Internal Medicine Propedeutics (2) and JLF.IKG/J-S-ZL-049/22 - Internal Medicine (1) and JLF.IKG/J-S-ZL-057/22 - Internal Medicine (2)

Course requirements:
The criteria for successful subject completion and credit acquisition are as follows:
Attending 12 practicals (absence of 2 practicals must be excused)
Successful completion of 2 credit tests.
Substitution of missing practicals (in accordance with the study regulation of the JFM UC and the Dean's order) is possible up to 20% of the total number of practicals (2 practicals) with consent of the head of the institution. In specific and reasonable cases worth considering, if the student is missing more than 20% of the compulsory study period, the excuse is considered and decided upon by the head of the institution.

Learning outcomes:
The student obtains basic information after completing the study period – knowledge and practical skills from various fields of internal medicine, e.g. gastroenterology and hepatology, nephrology, endocrinology, diabetology, metabolic and nutritional disorders, rheumatology, pneumology, infectology and haematology - in the scope necessary for the students of dentistry

Class syllabus:
Nephrology – glomerulonephrites, tubulointerstitial nephrites, acute kidney injuries and chronic kidney disease.
Drug, fungal, alcoholic and toxic substance intoxications.
Infectology – febrile states, sepsis, influenza, infectious mononucleosis, viral hepatitides, herpes simplex, candidosis, AIDS.
Haematology - anaemias, acute leukaemias, malignant lymphomas, bleeding disorders, lymphadenopathy.

Recommended literature:
Mokáň M. a kol.:
Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 1. diel, 2004, 206 s.
Mokáň M. a kol.:

Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 2. diel, 2004, 254 s.
Mokáň M. a kol.:
Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 3. diel, 2004, 322 s.
Klener, P.:
Vnitřní lékařství, Praha, Galén , Karolinum, 2011, 1 174 s.
Češka, R. a kol.
Interna. Praha: Triton, 2010, 855.
Souček, M. a kol.
Vnitřní lékařství. Praha: Grada, 2011, 1808 s.
Marek, J. a kol.
Farmakoterapie vnitřních nemocí. Praha: Grada, 2010, 777 s.
Špinar, J. a kol.
Propedeutika a vyšetřovací metody vnitřních nemocí. Praha: Grada, 2008, 255 s.
Klener, P. a kol.
Propedeutika ve vnitřním lékařství. e-kniha. Praha: Galén, 2012.
Cagáň, S. a kol.
Interná medicína pre stomatológov I. Bratislava: Univerzita Komenského, 1992.
Balažovjech, I. a kol.:
Interná medicína pre stomatológfov II. Bratislava: Univerzita Komenského, 1997.

Languages necessary to complete the course:
Englisch language.

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: doc. MUDr. Robert Vyšehradský, PhD., 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., MUDr. Michal Mokáň, PhD., prof. MUDr. Ivana Dedinská, PhD., MUDr. Jakub Benko, PhD., MUDr. Tomáš Bolek, PhD., doc. MUDr. Matej Samoš, PhD., MUDr. Kristína Brisudová, MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., MUDr. Martin Jozef Péč, doc. MUDr. Dana Prídavková, PhD.

Last change: 11.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.IK1/J-S-ZL-077/19	Internal Medicine (4)

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 80s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 10.

Educational level: I.II.

Prerequisites:

Course requirements:
Completing clinical practice before the state exams in the range of 100%

Learning outcomes:
The student obtains basic information – knowledge and skills from various fields of internal medicine in the scope necessary for the graduate of the dentistry study programme. The aim is for the graduate to be able to manage the patient in different clinical settings, to apply the acquired theoretical pieces of knowledge, to analyse, to form a working diagnosis, to plan examinations and to recommend adequate therapy.

Class syllabus:
The student performs practical duty under the leadership of the attending physician within the competences of a junior doctor as part of clinical practice before the state exams. The student has an assigned room, the student admits and releases patients, suggests diagnostic and therapeutic management. The student improves skills in practical activities and also while performing the diagnostic-therapeutic management of hospitalised patients with various internal diseases. Furthermore, the student takes part in daily rounds and special seminars.

Recommended literature:
Mokáň M. a kol.:
Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 1. diel, 2004, 206 s.
Mokáň M. a kol.:
Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 2. diel, 2004, 254 s.
Mokáň M. a kol.:
Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 3. diel, 2004, 322 s.
Klener, P.:
Vnitřní lékařství, Praha, Galén , Karolinum, 2011, 1 174 s.
Češka, R. a kol.
Interna. Praha: Triton, 2010, 855.
Souček, M. a kol.
Vnitřní lékařství. Praha: Grada, 2011, 1808 s.

Marek, J. a kol.
Farmakoterapie vnitřních nemocí. Prhja: Grada, 2010, 777 s.
Špinar, J. a kol.
Propedeutika a vyšetřovací metody vnitřních nemocí. Praha: Grada, 2008, 255 s.
Odporúčaná literatúra:
Mokáň M. a kol.:
Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 1. diel, 2004, 206 s.
Mokáň M. a kol.:
Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 2. diel, 2004, 254 s.
Mokáň M. a kol.:
Vnútorné lekárstvo. Bratislava, Univerzita Komenského, 3. diel, 2004, 322 s.
Klener, P.:
Vnitřní lékařství, Praha, Galén , Karolinum, 2011, 1 174 s.
Češka, R. a kol.
Interna. Praha: Triton, 2010, 855.
Souček, M. a kol.
Vnitřní lékařství. Praha: Grada, 2011, 1808 s.
Marek, J. a kol.
Farmakoterapie vnitřních nemocí. Prhja: Grada, 2010, 777 s.
Špinar, J. a kol.
Propedeutika a vyšetřovací metody vnitřních nemocí. Praha: Grada, 2008, 255 s.
Klener, P. a kol.
Propedeutika ve vnitřním lékařství. e-kniha. Praha: Galén, 2012.
Cagáň, S. a kol.
Intenrá medicína pre stomatológov I. Bratislava: Univerzita Komenského, 1992.
Balažovjech, I. a kol.:
Interná medicína pre stomatológfov II. Bratislava: Univerzita Komenského, 1997.

Languages necessary to complete the course:
Englisch language

Notes:

Past grade distribution
Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
62,96	0,0	22,22	14,81	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., MUDr. Jakub Benko, PhD., MUDr. Tomáš Bolek, PhD., doc. MUDr. Matej Samoš, PhD., MUDr. Kristína Brisudová, MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., MUDr. Martin Jozef Péč, doc. MUDr. Dana Prídavková, PhD.

Last change: 11.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.IKG/J-S-ZL-030/17	Internal Medicine Propedeutics (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 5.

Educational level: I.II.

Prerequisites: JLF.ÚFy/J-S-ZL-019/21 - Physiology for Dental Medicine (2)

Recommended prerequisites:
Physiology 2

Course requirements:
Attendance in 80% of practical lessons. It is possible to substitute for justified non-participation (up to 20%) in the credit week. In specific cases, the dean may, with the consent of the supervisor of the subject, allow a higher non-participation to be compensated. Students are evaluated in the form of a written exam, minimum success rate: 65%. Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and less
Scale of assessment (preliminary/final): Course requirements.Prerequisites and co-requisites: Attendance in 80% of practical lessons. It is possible to substitute for justified non-participation (up to 20%ň in the credit week. In specific cases, the dean may, with the consent ot the supervisor of the subject, allow a higher non-participation to be compensated.Students are evaluated in the form of a written exam, minimum success rate:65%, Rating: A:93-100%,B:86-92%, C:79-85%, D:72-78%, E:65-71%, FX:64% and less

Learning outcomes:
By completing the course, the student will gain the ability to take the medical history necessary for the developement of working diagnosis. Based on the medical history, the student will be able to determine which organ system of the patient is affected by the disease. Subsequently, on the basis of the acquired knowledge and skills to handle the physical examination (inspection, palpation, percussion, auscultation), he or she can determine the status present generalis and localis, recognize physiological and pathological findings. He or she will master the examination of the head and neck and chest and can recognize the physiological and pathological condition. When examining the chest, the student will be able to identify physiological and pathological findings in the heart, lungs and large vessels. In addition, they will learn to interpret the auxiliary examination in cardiology (basics of ECG - physiological and pathological findings) and evaluate auxiliary and functional examination methods in respirology (chest X-ray, spirometry). The level of their knowledge will be verified by a written test and evaluation of the medical record of a patient with cardiovascular and lung disease.

Class syllabus:

Lectures: 2 hours bi-weekly

1. Patient medical history and basic examination methods in internal medicine.
2.Examination of the head and neck and chest and vascular system (physiological findings).
3.Examination of the chest, heart and lungs (physiological findings and basics of physiological ECG)
4.Pathological findings on the heart and pathological ECG with a focus on the identification of myocardial infarction.
5.Pathological findings in the respiratory tract and lungs.
6.Auxiliary and functional examinations in respiratory and lung diseases.
7. What a comprehensive examination of a patient with cardiovascular and lung disease should look like. Writinf a medical record with establishing the working diagnosis and a proposal for examinations to confirm it.

Practical lessons. 2 hours every bi-weekly

1.History and basic physical examination. Status presens generalis.
2.Training of examination of the head, neck, chest and peripheral vascular system.
3.Chest and lung examination training (physiological findings).
4.Cardiovascular examination (physiological findings), on patients.
5.Test: Examination of head, neck, chest and lungs.5
5.Examination of physiological and pathological findings in the lungs and heart in the Medical education support center.
6. Training in ECG and X-ray findings.
7.Examination of a patient with cardiovascular or lung disease and medical record evaluation.
8.Credit week: Individual evaluation of a patient medical record for a final grade.

Recommended literature:

Hrušovský Š. Internistická propedeutika: Vydavateľstvo: Herb, 2012, 800 s.
Klener P. a kil. : Propedeutika ve vnitřním lékařství: E-kniha Galén 2012
Šinar J. a kol.: propedeutika a vyšetrovací metody vnitřních nemocí.,Praha,Grada,2008,255 s. ISBN 9788024717494
Takáč M.: Propedeutika vnútorného lekárstva. Martin, Osveta 1998 307 s. ISBN 80-88824-73-7
Kordač V. a kol.: Vnitřní lékařství. Úvod do oboru a vyšetrovací metód. Praha UK, 1989,490 s.
Pullmann R. a Pavlovič M.: Laboratórne nálezy a ich klinická interpretácia I. s. 936 a II. 652: Raabe,Slovensko, 2007 -2011 ISBN 978-80-89182-13-8

Languages necessary to complete the course:

Language knowledge required to complete the course:
Slovak language

Notes:

Past grade distribution

Total number of evaluated students: 42

A	ABS0	B	C	D	E	FX
80,95	0,0	14,29	4,76	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., MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., doc. MUDr. Daniela Kantárová, PhD., MUDr. Michal Mokáň, PhD., MUDr. Jakub Benko, PhD.

Last change: 12.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.IKG/J-S-ZL-039/21	Internal Medicine Propedeutics (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 1 **per level/semester:** 28 / 14
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 6.

Educational level: I.II.

Prerequisites: JLF.IKG/J-S-ZL-030/17 - Internal Medicine Propedeutics (1)

Recommended prerequisites:
Physiology (2) and - Internal
Medicine Propedeutics (1)

Course requirements:
Completion of at least 80% of practical lessons. It is possible to substitute for justified non-participation (up to 20%) during the credit week. In justified cases, the dean may, with the consent of the supervisor of the subject, allow a higher non-participation to be compensated. Students are evaluated in the form of a written exam, minimum success rate: 65%. Rating: A: 93-100%, B: 86-92%, C: 79 -85%, D: 72-78%, E: 65-71%, FX: 64% and less

Learning outcomes:
The graduate of the course will be able to take medical history from patients with diseases of the digestive and endocrine organs. The student will master the specifics of taking the medical history and examination of patients with diabetes mellitus and hematological diseases, which is important for dental practice. They will learn to ensure the collection of material for laboratory examination of the patient and will be able to assess the importance of individual laboratory findings. The students will gain an overview of the most important genetic diseases with a focus on bleeding disorders, which endanger dental patients most often.

Class syllabus:
Lectures:
1. Examination of the abdomen and intra-abdominal organs of patients with diseases of the digestive tract. Auxiliary and examination methods in gastroenterology and hepatology.
2. Examination of patients with kidney diseases.
3. Examination of patients with endocrine diseases, auxiliary examination methods in endocrinology. 4. Examination of patients with diabetes mellitus.
5. Basics of hematology for dentists. How we examine hematological patients, the most important hematological laboratory tests and their clinical interpretation.
6. Evaluation of laboratory findings and their interpretation (model situations).
7. Basics of clinical genetics.

Practical lessons:
1. Training in the examination of the abdomen and intraabdominal organs (physiological and pathological findings).
2. Examination of patients with diseases of the esophagus, stomach, small and large intestine.
3. Training in the evaluation of X-ray examinations, USG examinations, demonstrations of gastroduodenoscopy, rectoscopy, colonoscopy as well as invasive examinations (sclerotization of varicose veins, endoscopic polypectomies, etc.)
4. Examination of patients with liver and biliary tract and pancreas disease.
5. Examination of patients with diseases of the urogenital tract. Auxiliary and laboratory examination in nephrology
6. Investigation of patients and evaluation of laboratory results of patients with endocrine diseases
7. Examination of patients with diabetes mellitus. Exercise of evaluation of auxiliary and laboratory examination methods, diagnostic tests in diabetology.
Test
8. Hematology I. Anamnesis and examination of a patient with hematological disease
9. Hematology and laboratory examinations in hematology with a focus on congenital and acquired hemocoagulations
10. Training in examination of muscles, joints and spine (physiological and pathological findings in musculosceletal examination
11 Evaluation of laboratory findings and their interpretation (model situations). Introduction to the department of clinical biochemistry.
12. Examination of patients with intoxications and occupational diseases at the Department of Occupational Medicine and Toxicology. Interpretation of patients with acute intoxications (alcohol, drugs).
13. Training in the processing of model medical records.
14. Credit week. Elaboration of a complete medical record. Test.

Recommended literature:

Languages necessary to complete the course:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 8

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., doc. MUDr. Matej Samoš, PhD., MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., MUDr. Michal Mokáň, PhD., doc. MUDr. Dana Prídavková, PhD.

Last change: 12.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚLBch/J-S-ZL-015/21	Medical Biochemistry for Dental Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 2 **per level/semester:** 42 / 28
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 3.

Educational level: I.II.

Prerequisites: JLF.ÚLBch/J-S-ZL-005/16 - Medical Chemistry for Dental Medicine

Course requirements:
The form of evaluation is only written. The 60 % of total score points is necessary. Rating: A: 91-100%, B: 81-90%, C: 73-80%, D:66-72%, E:60-65%, Fx:59% and less
Scale of assessment (preliminary/final): 100/0

Learning outcomes:
By completing the course the student acquires basic information about biochemical and molecular-biological processes in the human body. The graduate of the course is able to understand the events necessary to maintain health and to understand the causes and also the rational treatment of many diseases. The main goal is to understand all the chemical processes associated with living cells at the molecular level and to analyze not only their structures but also their metabolic functions. In seminars in the form of seminar papers, students are able to apply theoretical knowledge to pathological processes and solutions to various types of diseases at the molecular level.

Class syllabus:
The principles of oxidation and reduction in the body. Respiratory chain, ATP production, redox potential, electron transport in mitochondria. Intermedial metabolism, citric cycle, the role of acetyl CoA in metabolism. Glycolysis under aerobic and anaerobic conditions. Carbohydrate metabolism, carbohydrate digestion, absorption and transport, glycogenolysis, glycogenesis, principles and regulation. Gluconeogenesis, principles and regulation. Pentose phosphate pathway, pentoses and NADPH production. Fructose, galactose and glucuronic acid metabolism. Proteoglycans and glycoproteins. Lipid metabolism, lipid digestion and absorption, fatty acid synthesis and degradation, regulation. Metabolism of triacylglycerols, membrane lipids and phospholipids. Cholesterol metabolism, acetyl CoA as a steroid precursor, Bile acid metabolism and blood. Lipoprotein metabolism, lipoproteinemias. Ketone bodies synthesis and degradation. Integration of carbohydrate and lipid metabolism, hormone regulation and clinical aspects in metabolic disorders.

Recommended literature:
D. Dobrota a kol.: Lekárska biochémia. Vysokoškolská učebnica. Osveta Martin, 2016. 799 s.
D. Dobrota a kol.: Praktické cvičenia z lekárskej chémie a lekárskej biochémie. UK Bratislava, 2009. 123 s.

R. K. Murray a kol.: Harperova ilustrovaná biochemie. Galén Praha, 2012. 730 s.
Z. Tatarková: Problémové úlohy k seminárom z lekárskej chémie a biochémie. UK Bratislava, 2013. 89s.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 10

A	ABS0	B	C	D	E	FX
0,0	0,0	60,0	30,0	10,0	0,0	0,0

Lecturers: prof. MUDr. Dušan Dobrota, CSc., prof. RNDr. Peter Račay, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚLBch/J-S-ZL-020/21	Medical Biochemistry for Dental Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 2 **per level/semester:** 42 / 28
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 4.

Educational level: I.II.

Prerequisites: JLF.ÚLBch/J-S-ZL-015/21 - Medical Biochemistry for Dental Medicine (1)

Course requirements:
The form of evaluation is written and oral examination. The minimum percentage of success is 60%. Rating: A: 91-100%, B: 81-90%, C: 73-80%, D: 66-72%, E:60-65%, Fx:59% and less.
Scale of assessment (preliminary/final): 40/60

Learning outcomes:
The student of the course will understand the basic metabolic processes in individual organs with emphasis on oral biochemistry. The student will understand normal biochemical processes in healthy tissue as well as in tissue altered by pathological processes. Completion of this course also contributes to an understanding of basic diagnostic procedures based on biochemical analysis of body fluids.

Class syllabus:
Nucleotide metabolism, regulation and metabolic disorders. Protein digestion and absorption, urea and glutamine cycle, involvement of amino acids in intermediary metabolism. Integration of basic nutrient metabolism of carbohydrates, lipids and proteins. Metabolic interrelationships in obesity, starvation, pregnancy, lactation and old age, stress, physical activity, metabolic risks of vegetarian diets and various forms of weight reduction. Vitamins. Signal transduction and signal molecules in biological systems. Hormonal regulation, biochemistry of extracellular and intracellular communication. Biochemical functions, metabolism of individual tissues and organs (muscle, skeletal, connective tissue, biochemistry of liver, kidney, blood and blood elements, biochemistry of the central and peripheral nervous system). Plasma proteins. Acid-base balance, regulation of homeostasis and mineral exchange. Biochemistry of the oral cavity, saliva, dental plaque, dental caries, periodontopathies. Biochemistry of inflammation. Effect of selected diseases (osteoporosis, diabetes mellitus) and hypovitaminosis on biochemical processes in the oral cavity.

Recommended literature:
Dobrota, D. a kol. Lekárska biochémia. Vysokoškolská učebnica. Vydavateľstvo Osveta, Martin, 2016, 799 s.
Murray, R. K a spol. Harperova ilustrovaná biochémie. Galén, 2012, 730 s.

Dobrota, D. a kol. Praktické cvičenia z lekárskej chémie a biochémie. Univerzita Komenského v Bratislave, 2009, 123 s.
Tatarková,Z. Problémové úlohy k seminárom z lekárskej chémie a biochémie. Univerzita Komenského v Bratislave, 2013, 89 s.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 10

A	ABS0	B	C	D	E	FX
30,0	0,0	50,0	20,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Dušan Dobrota, CSc., prof. RNDr. Peter Račay, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚLBl/J-S-ZL-004/21	Medical Biology and Genetics for Dental Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
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.
Preliminary assessment: Test, stand-alone work, preparation of presentation according to given topic.
Final assessment: Mark, according to credit tests results.
Scale of assessment (preliminary/final): 100 / 0

Learning outcomes:
After completing the subject, the student has knowledge in general cytology – structure, function and pathology of the cell.

Class syllabus:
The cell theory. Cell as a basic structural and functional unit. Biopolymers: proteins, nucleic acids, saccharides. Cytoskeleton: structure and function of microfilament, microtubules and intermediate filaments. Organization of the cell memory system, genetic information. Cell genome. Gene expression, regulation of proteosynthesis. Biological membranes – structure and function. Cell surfaces. Membrane transport. Endocytosis, exocytosis. Membrane organelles – nucleus, mitochondria, endoplasmic reticulum, Golgi complex, lysosomes, peroxisomes. Influence of external factors on cell. Cell division – mitosis. Meiosis, gametogenesis.

Recommended literature:
Nečas,O. a kol.: Obecná biologie pro lékařske fakulty, Jinočany, H&H 2000, 554 s.
Péč, M. a kol.: Semináre a cvičenia z lekárskej biológie pre zubné lekárstvo, Martin,Beriss, 2013
Péč, M. kol.: Prehľad lekárskej biológie a genetiky pre Zubné lekárstvo, 1. vyd. Bratislava: Univerzita Komenského v Bratislave, 2020. -383 s. [online]
Sršeň,Š., Sršňová,K.: Základy klinickej genetiky a jej molekulárna podstata, Martin, Osveta 2000, 410 s.
Kapeller,K., Strakele, H.: Cytomorfológia, Osveta, Martin, 1999, 239 s.

Languages necessary to complete the course:
Slovak

Notes:

Past grade distribution
Total number of evaluated students: 11

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 Péč, PhD., Ing. Miroslava Šarlinová, PhD.

Last change: 15.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚLBl/J-S-ZL-008/21	Medical Biology and Genetics for Dental Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 8

Recommended semester: 2.

Educational level: I.II.

Prerequisites: JLF.ÚLBl/J-S-ZL-004/21 - Medical Biology and Genetics for Dental Medicine (1)

Course requirements:
Successful passing of two credit tests (not less than 60%), 100% attendance at practical classes, successful passing of oral exam.
Preliminary assessment: test, stand-alone work, preparation of presentation according to given topic.
Final assessment: mark, according to oral exam.
Scale of assessment (preliminary/final): 0 / 100

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:
Karyotype. DNA replication. General laws of inheritance – Mendel´s laws, gene interactions, gene linkage, sex-linked inheritance. Genetics of blood groups. Mutations – gene, chromosomal, 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:
Nečas,O. a kol.: Obecná biologie pro lékařske fakulty, Jinočany, H&H 2000, 554 s.
Péč, M. a kol.: Semináre a cvičenia z lekárskej biológie pre zubné lekárstvo, Martin,Beriss, 2013
Péč, M. kol.: Prehľad lekárskej biológie a genetiky pre Zubné lekárstvo, 1. vyd. Bratislava: Univerzita Komenského v Bratislave, 2020. -383 s. [online]
Sršeň,Š., Sršňová,K.: Základy klinickej genetiky a jej molekulárna podstata, Martin, Osveta 2000, 410 s.
Kapeller,K., Strakele, H.: Cytomorfológia, Osveta, Martin, 1999, 239 s.

Languages necessary to complete the course:
Slovak

Notes:

Past grade distribution
Total number of evaluated students: 10

A	ABS0	B	C	D	E	FX
90,0	0,0	0,0	10,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Martin Péč, PhD., prof. RNDr. Peter Kubatka, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚLBf/J-S-ZL-001/17	Medical Biophysics for Dental Medicine

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 4 / 2 **per level/semester:** 56 / 28
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 1.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Basic characteristics of the principles of biophysical process in the organism. Biophysical principles of diagnostics methods and terapeutics methods by ionizing and nonionizing radiation in medicine and basic principles of protection counter ionizing radiation (limits, efective dose and personal dosimetry).

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 ≥ 450, B ≥ 390, C ≥ 330, D ≥ 270, E ≥ 210, Fx < 210
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 konwledge 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:

Povinná: Navrátil, L., Rosina, J. a kol. Medicínska biofyzika. 2. vydanie, Praha: Grada, 2019. 431 s. ISBN 978-80-271-0209-9

Šimera, M., Jakuš, J., Poliaček, I. a kol. Vybrané kapitoly z lekárskej biofyziky s praktickými úlohami. Martin, JLF UK, 2018. 232 s. ISBN 978- 80-8187-056-9

Odporúčaná:

Hrazdira, I. a kol. Biofyzika. Praha: Avicenum, l990. 3l8 s. ISBN 80-201-0046-6

Jakuš, J. Neurónové mechanizmy dýchania a respiračných reflexov. Bratislava: UK, 1999. 66 s. ISBN 80-223-1379-3

Languages necessary to complete the course:

Slovak language

Notes:

Past grade distribution

Total number of evaluated students: 48

A	ABS0	B	C	D	E	FX
81,25	0,0	8,33	4,17	4,17	2,08	0,0

Lecturers: prof. MUDr. Ján Jakuš, DrSc., prof. RNDr. Ivan Poliaček, PhD., doc. RNDr. Michal Šimera, PhD., Ing. Jakub Míšek, PhD., Ing. Marcel Veterník, PhD., Mgr. Nadežda Višňovcová, PhD.

Last change: 15.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University 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:** 42 / 28 **Form of the course:** on-site learning	
Number of credits: 5	
Recommended semester: 1.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Lecture/Practical Extent (in hours) – per week: 2/3 Method - attendance form Number of credits: 6 credits	
Course requirements: Evaluation of students is performed as a written exam, minimal level to pass: 60 %. Evaluation: A: 91–100 % B: 81–90 % C: 73–80 % D: 66–72 % E: 60–65 % FX: 59 % and less Scale of assessment (preliminary/final): 40/60	
Learning outcomes: After completion of the subject student gains essential informations about biologically important compounds and about rules of chemical processes in the living systems. Student understands the principles of bioenergetics and enzyme kinetics and rules for chemical reactions in aqueous solutions. Completion of the subject also contributes to understanding of relationship between structure and function of biologically important compounds. Student is able to apply knowledge gained on the lectures and seminars at learning of biological oxidations, metabolism of compounds and acid-base equilibrium of body fluids. Completion of the course also contributes to the understanding of the relationships between the structure and function of biologically important substances, the basics of the storage and transfer of genetic information, and to familiarity with current applications of recombinant DNA technology in clinical medicine.	
Class syllabus: -Biologically important elements and their compounds. Weak noncovalent interactions and their importance for biopolymers and biological membranes. - Termodynamics and living systems. Entropy, Gibbs free energy and coupled reactions in living systems. - Rate of chemical reactions. Types of reactions and their importance in metabolic pathways. Kinetics of enzyme reactions, enzyme inhibition.	

- Properties of aqueous solutions. Chemical reactions in aqueous solutions: acid-base reactions, oxidation-reduction reactions, precipitation reactions, formation of coordination substances. Properties of colloid systems, biopolymers as colloids.
- Chemical properties and biological importance of amino acids, peptides and proteins. Relationship between structure and function of proteins.
- Chemical properties and biological importance of myoglobin and hemoglobin.
- Chemical properties and biological importance of saccharides and their derivatives.
- Chemical properties and biological importance of triacylglycerols, phospholipids, sphingolipids and steroids, nucleotides, coenzymes and vitamins.
- Relationship between structure and function. Chemical properties and biological significance of myoglobin and hemoglobin.
- Structure of biological membranes. Lipid and protein components of membranes, membrane fluidity.
- Membrane transport. Mechanisms of passive and active transport of ions and molecules.
- Structure and properties of DNA, mRNA, tRNA and rRNA. Genetic information and eukaryotic genome.
- Mechanism of DNA replication and repair of damaged DNA.
- RNA synthesis - transcription and post-transcriptional modifications of RNA.
- Characteristics of the genetic code, mutations. Mechanism of synthesis and posttranslational modification.
- Regulation of gene expression in eukaryotes. Clinical examples of gene expression regulation disorders.
- Practical applications of recombinant DNA technology in human genetics, prenatal diagnostics, gene therapy, examples of congenital diseases.

Recommended literature:

D. Dobrota a kol.: Lekárska biochémia. Vysokoškolská učebnica. Osveta Martin, 2016. 799 s.
D. Dobrota a kol.: Praktické cvičenia z lekárskej chémie a lekárskej biochémie. UK Bratislava, 2009. 123 s.
R. K. Murray a kol.: Harperova ilustrovaná biochemie. Galén Praha, 2012. 730 s.
Z. Tatarková: Problémové úlohy k seminárom z lekárskej chémie a biochémie. UK Bratislava, 2013. 89s.

Languages necessary to complete the course:
English

Notes:

Past grade distribution
Total number of evaluated students: 55

A	ABS0	B	C	D	E	FX
65,45	0,0	10,91	9,09	10,91	3,64	0,0

Lecturers: prof. MUDr. Dušan Dobrota, CSc., prof. RNDr. Peter Račay, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.PK/J-S-ZL-026/17	Medical Psychology and Basics of Communication

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 5.

Educational level: I.II.

Prerequisites:

Course requirements:
Conditions for enrollment in the exam:
- participation in practical exercises 6 times (12 teaching hours)
- favorable results of ongoing controls
Methods of continuous control:
- by the end of week 14: control questions from the curriculum during practical exercises, test
Evaluation of the results of the ongoing control:
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%
Share of continuous control in the final evaluation of the course: 10%
Method of final evaluation: oral exam event. test
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-psycho-social 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 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.

Recommended literature:
Compulsory literature
x Žucha, I., Čaplová, T. a kol. Lekárska psychológia. Bratislava: UK, 2008. 208 s. ISBN 978-80-223-2439-7 x Morovicsová E. a kol. Komunikácia v medicíne. Bratislava: UK, 2011. 210 s. ISBN 978-80-223-3025-1 Raudenská J., Javůrková A. Lékařská psychologie ve zdravotnictví. Praha: Grada 2011. 304 s. ISBN 978-80-247-2223-8 Beran, J. a kol. Lékařská psychologie v praxi. Praha: Grada 2010. 144 s. ISBN 978-80-247-1125-6 Linhartová V. Praktická komunikace v medicíně. Praha: Grada 2007, 152 s. ISBN 978-80-247-1784-5
Hosák, L., Hrdlička, M., Libiger, J. a kol. Psychiatrie a pedopsychiatrie. Praha: Univerzita Karlova Nakladatelství Karolínum 2019. 647 s. ISBN 978-80-246-2998-8, ISBN 978-80—246-3011-3 (pdf)
Kolibáš, E., Novotný, V.: Alkohol, drogy, závislosti. Bratislava UK, 2007. 257 s. ISBN 978-80-223-2315-4

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 43

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. PhDr. Igor Hrtánek, PhD., MUDr. Miloslav Oppa, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚMI/J-S-ZL-016/17	Microbiology for Dental Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 3 **per level/semester:** 42 / 42
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 4.

Educational level: I.II.

Prerequisites: JLF.ÚLBl/J-S-ZL-008/21 - Medical Biology and Genetics for Dental Medicine (2)

Course requirements:
- it is obligatory to be present at practicals (1 absence is tolerated)
- test during the semester
- oral presentation of seminar work

End study evaluation of students is based on written test - The final grade is determined by counting the points for the test during semester and the final exam test.
Scale of assessment (preliminary/final): 33,3% / 66,7%

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 desinfection 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, metabolismus, genetic and to use the gained knowledge for understanding the requirements of the next study. 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, desinfection, .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:Karolínum, 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. Karolínum 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 Martina, Nováková Elena, Kompaníková Jana. Imunológia - ako pracuje imunitný systém. Martin : Univerzita Komenského v Bratislave Jesseniova lekárska fakulta v Martine 2017; 189 s. ISBN 978-80-8187-031-6.
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
Učebné texty na MEFANETe http://portal.jfmed.uniba.sk/lekarske-discipliny.php?disid=119 a web stránke Ústavu mikrobiológie a imunológie
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. Návody na praktické cvičenia z imunológie. 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: 44

A	ABS0	B	C	D	E	FX
84,09	0,0	15,91	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: 06.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚMI/J-S-ZL-022/17	Microbiology for Dental Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 5.

Educational level: I.II.

Prerequisites: JLF.ÚMI/J-S-ZL-016/17 - Microbiology for Dental Medicine (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.
Scale of assessment (preliminary/final): 25%/75%

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 suscptibility 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
Spirochetales, 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
Carries 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:Karolínum, 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. Karolínum 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 Martina, Nováková Elena, Kompaníková Jana. Imunológia - ako pracuje imunitný systém. Martin : Univerzita Komenského v Bratislave Jesseniova lekárska fakulta v Martine 2017; 189 s. ISBN 978-80-8187-031-6.
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
Učebné texty na MEFANETe http://portal.jfmed.uniba.sk/lekarske-discipliny.php?disid=119 a web stránke Ústavu mikrobiológie a imunológie
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. Návody na praktické cvičenia z imunológie. 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: 43

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., MUDr. Jana Kompaníková, PhD., MUDr. Martina Neuschlová, PhD., MUDr. Vladimíra Sadloňová, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.NlK/J-S-ZL-047/18	Neurology

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 7.

Educational level: I.II.

Prerequisites:

Course requirements:

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 hemorhage. Cerebral veins and sinuses thrombosis. Tumors. Craniotraumas. Epilepsy. Demyelinisation disorders. Dementia. CNS infections. Neuromuscular disorders.

Recommended literature:
x Kaňovský, P.Bártková, A. a kol. Obecná neurologie a vyšetřovací metody v neurologii. 1. vyd. Olomouc: LF UP, 2019. 338 s. ISBN 978-80-244-5488-7
Kaňovský, P.Bártková, A. a kol. Speciální neurologie, Svazek I. 1. vyd. Olomouc: LF UP, 2020. 433 s.
ISBN 978-80-244-5611-9
Kaňovský, P.Bártková, A. a kol. Speciální neurologie, Svazek II. 1. vyd. Olomouc: LF UP, 2020. 435 s.
ISBN 978-80-244-5611-9
Ambler, Z. a kol. Klinická neurologie: Část obecná. Praha: Triton, 2008. 976 s.
ISBN 978-80-7387-157-4
Bednařík, J., Ambler, Z. a kol. Klinická neurologie: Část speciální I. Praha: Triton, 2010. 707 s.

ISBN 978-80-7387-389-9
Bednařík, J., 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

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 35

A	ABS0	B	C	D	E	FX
74,29	0,0	17,14	5,71	2,86	0,0	0,0

Lecturers: prof. MUDr. Egon Kurča, PhD., FESO, doc. MUDr. Vladimír Nosáľ, PhD., FESO, doc. MUDr. Štefan Sivák, PhD., doc. MUDr. Ema Kantorová, PhD., MUDr. Monika Turčanová Koprušáková, PhD., MUDr. Milan Grofik, PhD., MUDr. Jana Dluhá, PhD., MUDr. Babeta Hofericová, MUDr. Jana Olekšáková, MUDr. Róbert Ružinák, MUDr. Klaudia Kalmárová, PhD., Michal Drobný, MUDr. Juraj Šutovský, PhD., MUDr. Lucia Babálová

Last change: 18.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.OK/J-S-ZL-059/18	Ophthalmology

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites:

Course requirements:
The student assessment is undertaken with oral examination consisting of 3 questions. The assessment of answer is A, B, C, D, E, FX. Minimum grade for passing en exam: E.

Learning outcomes:
After completion of the subject the student fully understands the anatomy and physiology of the eye, its peri-ocular structures and visual pathways. The student understands the theory and is able to apply knowledge in the basics of ophthalmic anamnesis in children, adults and elderly patients. The student is able to analyze and identify special diagnostic techniques in ophthalmology as well as imaging methods (CT, MRI, ultrasound). The graduated student deeply understands issues of refractive errors and its correction with lenses and surgery.
After completion of the subject the student is able to identify the mechanisms leading to a decline in visual function caused by pathological changes of the eye and visual pathways. The student fully understands the pathophysiology, diagnosis, treatment and prognosis of the most prevalent retinal diseases like diabetic retinopathy, age related macular degeneration and retinal detachment.
After completing the course the graduate is able to apply knowledge based on the history and basic tests to diagnose the most common eye diseases and different types of injuries or trauma.
After completion of the subject the student understands the therapeutic principles of ocular diseases and ophthalmic surgical treatment and is able to identify the early signs of post operative complications like infections, haemorrhages and hypertension. The graduate understands and is able to practice first aid for eye injuries, including burns and perforations.

Class syllabus:
1. Anatomy and physiology of the eye and orbit, refractive errors and correction.
Basics in refraction, retinoscopy, Keratometry, assesement of visual acuity with and without correction. ETDRS optotyps. Theory and practise with slit lamp.
2. Diseases of cornea, sclera and conjuctiva.
Examination of the cornea and conjuctiva with the slit lamp, Placido rings
keratoscopy. Swab collection techniques for conjunctival samples.
3. Uveitis (anterior, intermediate and posterior). Ophthalmic presentations of HIV.

Examination of anterior chamber and vitreous with slit lamp, fundoscopy, direct and indirect ophthalmoscopy.
4. Disease of the orbit, eyelids and tear ducts.
Eyelids examination and function assessment of m.levator palp.sup., exophthalmometry, syringing of the tear ducts. Tear film assessment – Schirmer and B.U.T. test.
5. Disease of the retina (hereditary, diabetic retinopathy, hypertension retinopathy, Age related macular degeneration, Full thickness macular hole, Central serous chorioretinopathy, Retinopathy of prematurity). Ophthalmoscopy, optical coherence tomography, fluorescein angiography, Amsler chart, Colour vision test.
6. Disease of the transparent media, crystalline lens and cataract surgery.
Examination of the red papillary reflex and transparent media. Optic and ultrasound biometry, phacoemulsification.
7. Glaucoma. Dynamic and static perimetry. Tonometry (Goldman, Schiotz, non-contract). Gonioscopy. HRT II, GDx, OCT RNFL.
8. Red eye syndrome – dif. dg.(hyposphagma, Conjunctivitis, Uveitis, acute glaucoma).
Slit lamp examination, first AID for eye injury and caustication, eyelid evertion.
9. Neuro-ophthalmology and paediatric ophthalmology, optic neuropathy, and defects of visual pathways. Pupillary defects. Strabismus. Amblyopia. Children ophthalmic examination and screening. VEP, EMG, external ocular motility, examination of diplopia and strabismus.
10. Retinal detachment, ocular tumours, dif.dg. of leucocoria. Slit lamp examination, indirect ophthalmoscopy, B- ultrasound scan, CT, MR.

Recommended literature:

Jack Kanski, Brad Bowling. Clinical Ophthalmology: A Systematic Approach, 7th Edition. Saunders 2011.
Adam T. Gerstenblith, Michael P. Rabinowitz et al. The wills eye manual. 6th edition. Lippincott Williams & Wilkins, Philadelphia 2012
David J. Spalton et al. Atlas of clinical optalmology. 3rd edition. Oxford, Mosby 2005.
Myron Yanoff, Jay S. Duker. Ophthalmology. 3rd edition. Mosby 2009.

Languages necessary to complete the course:
english language

Notes:

Past grade distribution
Total number of evaluated students: 35

A	ABS0	B	C	D	E	FX
77,14	0,0	20,0	2,86	0,0	0,0	0,0

Lecturers: MUDr. Peter Žiak, PhD., MUDr. Juraj Halička, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-100/21	Oral Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 1 **per level/semester:** 28 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 7.

Educational level: I.II.

Prerequisites: JLF.ÚPA/J-S-ZL-037/21 - Pathological Anatomy for Dental Medicine (2)

Course requirements:
Continuous assessment in a form of test: minimal requirements of 65%.
Assessment: A: 93–100%, B: 86–92%, C: 79–85%, D: 72–78%, E: 65–71%, FX: 64% and less.
Value of continuous test in final grade: 20%.
Scale of assessment (preliminary/final): Continuous assessment in a form of test: minimal requirements of 65%. Assessment: A: 93–100%, B: 86–92%, C: 79–85%, D: 72–78%, E: 65–71%, FX: 64% and less. Value of continuous test in final grade: 20%.

Learning outcomes:
Course graduate has general knowledge and information on the anatomy, structure and function of the oral mucosa. He becomes acquainted with patient examination, diagnostics and is able to make a comprehensive treatment plan. He is familiar with differential diagnostics of the most frequent oral mucosal diseases and understands the fundamentals of therapy. He understands the principles of the primary, secondary and tertiary prevention of oral mucosal diseases. He can use the acquired theorethical and practical skills in patient managment in a dental office.

Class syllabus:
Morphology, physiology and patological physiology of the soft tissue of oral cavity. Basic clinical signs od diseases on oral mucosa. Developmental aberrancies. Lesions of traumatic origin in the oral cavity. Cheilitis and their differential diagnostics. Systemic diseases and their manifestation on oral mucosa. Oral manifestation of specific infekction – syphilis, TBC, actinomycosis. Mycotic infections and their clinical signs in the oral cavity. Viral infections and their clinical signs in the oral cavity. Signs of HIV and AIDS in the oral cavity. Aphtae in the oral cavity (definition, etiology, clinical manifestation, treatment, differential diagnostics). Immunological diseases in the oral cavity. Signs of allergic reaction in the oral cavity. Erytema multiforme (Stevens-Johnsonn syndrome). Definition, etiology, classification, clinical signs, treatment, differential diagnostics.
PRACTICALS:
Examination of patients with mucosal diseases. Methods of diagnostics. Oral mucosal diseases treatment. Continuous study control.

Recommended literature:

Ďurovič, E.: Orálna medicína. P+M, Turany, 2020, ISBN 978-80-89694-62-4.
Ďurovič, E., Kluknavská, J.: Prehľad chorobných stavov jazyka. P+M, Turany, 2021, ISBN 978-80-89694-79-2.
Ďurovič, E.: Atlas chorôb slizníc ústnej dutiny a jazyka. P+M, Turany, 2021, ISBN 978-80-89694-85-3.
Slezák, R., Dřízhal, I.: Atlas chorob ústní sliznice. Praha: Quintessenz, 2004. 336 s. ISBN 80-903181-5-0.
Slezák R., Dřízhal I., Horáček J., Kopecký O.: Infekční choroby ústní sliznice, Grada Avicenum Praha 1997.

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. Tomáš Siebert, PhD., prof. MUDr. Katarína Adamicová, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-101/21	Oral Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 1 **per level/semester:** 28 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites: JLF.ÚPA/J-S-ZL-037/21 - Pathological Anatomy for Dental Medicine (2) and JLF.KSMCh/J-S-ZL-100/21 - Oral Medicine (1)

Course requirements:
Final examination is realized by the oral examination. Value of the oral examination in the final grade is 80%.
Continuous assessment in a form of test: minimal requirements of 65%.
Assessment: A: 93–100%, B: 86–92%, C: 79–85%, D: 72–78%, E: 65–71%, FX: 64% and less.
Value of continuous test in final grade is 20%.
Scale of assessment (preliminary/final): Final examination is realized by the oral examination. Value of the oral examination in the final grade is 80%. Continuous assessment in a form of test: minimal requirements of 65%.Assessment: A: 93–100%, B: 86–92%, C: 79–85%, D: 72–78%, E: 65–71%, FX: 64% and less. Value of continuous test in final grade is 20%.

Learning outcomes:
Course graduate has general knowledge and information on the anatomy, structure and function of the oral mucosa. He becomes acquainted with patient examination, diagnostics and is able to make a comprehensive treatment plan. He is familiar with differential diagnostics of the most frequent oral mucosal diseases and understands the fundamentals of therapy. He understands the principles of the primary, secondary and tertiary prevention of oral mucosal diseases. He can use the acquired theorethical and practical skills in patient managment in a dental office.

Class syllabus:
Pemphigus vulgaris, Pemphigoid (definition, etiology, classification, clinical signs, treatment, differential diagnostics). Oral lichen planus (definition, etiology, classification, clinical signs, treatment, differential diagnostics). Oral leukoplakia (definition, etiology, classification, clinical signs, treatment, differential diagnostics. Hematological and hemorrhagic diseases. Screening and patient dispensary in cases of precancerous lesions. Invasive and non-invasice examination methods. Carcinoma and other malignant affections in the oral cavity. Tongue diseases and their differential diagnostics, plaque on the tongue. Saliva secretion disorders. Disorders of taste. Halitosis. Glossodynia and stomatodynia. Manifestation of skin diseases in the oral cavity. Ageing and oral mucosa. Melkersson–Rosenthal syndrome. Hyperpigmentations. Salivany glands diseases.
PRACTICALS:

Examination of patients with mucosal diseases. Methods of diagnostics. Oral mucosal diseases treatment. Continuous study control, completion of the course by the exam.

Recommended literature:

Ďurovič, E.: Orálna medicína. P+M, Turany, 2020, ISBN 978-80-89694-62-4.
Ďurovič, E., Kluknavská, J.: Prehľad chorobných stavov jazyka. P+M, Turany, 2021, ISBN 978-80-89694-79-2.
Ďurovič, E.: Atlas chorôb slizníc ústnej dutiny a jazyka. P+M, Turany, 2021, ISBN 978-80-89694-85-3.
Slezák, R., Dřízhal, I.: Atlas chorob ústní sliznice. Praha: Quintessenz, 2004. 336 s. ISBN 80-903181-5-0.
Slezák R., Dřízhal I., Horáček J., Kopecký O.: Infekční choroby ústní sliznice, Grada Avicenum Praha 1997.

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. Tomáš Siebert, PhD., prof. MUDr. Katarína Adamicová, PhD.

Last change: 12.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-076/19	Orthodontics (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 1 **per level/semester:** 28 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Dental Materials and Technologies 2, Dentistry Propaedeutics 5, Preventive Dentistry 1, Operative Dentistry, Endodontics 1, Prosthodontics 1, Dentoalveolar and Maxillofacial Surgery 1

Course requirements:
Continuous assessment in the form of a test: minimum success rate 65%.
Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and less. Rating share 80%.
Practical exam (individual work): Realization of prescribed procedures in the patient's oral cavity. Rating share 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 accomplished in the patient’s oral cavity. Rate in the final evaluation: 20%

Learning outcomes:
The graduate of the course will gain basic information about the issue of orthodontic anomalies. They will get acquainted with the causes of their origin. They will learn examination methods and diagnostic procedures. Understand cephalometric image analysis. He will get information about therapeutic procedures in orthodontics. He applies the acquired therapeutic knowledge during the examination of the patient at the outpatient clinic.

Class syllabus:
Ontogenetic development of the orofacial system.
Morphology and function of dentition. Signs of normal dentition.
Causes of orthodontic anomalies.
Importance and goals of orthodontic treatment.
Anomalies of teeth, tooth groups and intermaxillary relationships.
Classification systems in anomaly diagnostics.
Diagnostic examination and documentation in orthodontics.
Basics of cephalometric image analysis.

Determination of skeletal age.
Basic therapeutic methods in orthodontics.

Recommended literature:
Kamínek M. et al.: Ortodoncie. Praha, Galén 2014

Languages necessary to complete the course:
english

Notes:

Past grade distribution
Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
62,96	0,0	22,22	14,81	0,0	0,0	0,0

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

Last change: 25.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-084/19	Orthodontics (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Dental materials and technologies I, II; Dentistry propaedeutics I, II, III, IV, V; Preventive dentistry I, II; Operative dentistry, endodontics I, II; Prosthodontics I, II; Dentoalveolar and maxillofacial surgery I, II; Orthodontics I

Course requirements:
Continuous assessment in the form of a test: minimum success rate 65%.
Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and less. Rating share 80%.
Practical exam (individual work): Realization of prescribed procedures in the patient's oral cavity. Rating share 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:
The graduate of the course obtains comprehensive information on the diagnosis and treatment of orthodontic anomalies. Gains skills in model analysis and X-ray pictures. Can compile a comprehensive therapeutic plan, indicate the appropriate type of maxillofacial appliances and design its structural and anchoring elements. He is able to use the acquired theoretical knowledge when working with a patient in an outpatient clinic.

Class syllabus:
Development of deciduous dentition. Mixeddentition and its replacement.
Dental and skeletal age.
Occlusal diagnostics.
Comprehensive orthodontic examination.
Cephalometric analysis.
Angle’s classification, analysis of dental models.

Anomalies in the transverse, sagittal and vertical directions.
Orthodontic therapy in general.
Fixed and removable orthodontic appliances.
Retention phase of treatment.
Extraction orthodontic therapy.

Recommended literature:
Kamínek M. et al.: Ortodoncie. Praha, Galén 2014.

Languages necessary to complete the course:
english

Notes:

Past grade distribution
Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
70,37	0,0	7,41	3,7	14,81	3,7	0,0

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

Last change: 27.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-090/21	Orthodontics (3)

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 120s
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 11., 12..

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Dental materials and technologies I, II; Dentistry Propaedeutics I, II, III, IV, V; Preventive Dentistry I, II; Operative Dentistry, Endodontics I, II, III; Prosthodontics I, II, III, IV; Periodontology I; Paediatric Dentistry I, II; Dentoalveolar and Maxillofacial Surgery I, II, III; Orthodontics I, II

Course requirements:
Continuous assessment in the form of a test: minimum success rate 65%.
Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and less. Rating share 80%.
Practical exam (individual work): Realization of prescribed procedures in the patient's oral cavity. Rating share 20%.

Learning outcomes:
The graduate of the course obtains comprehensive information on the diagnosis and treatment of orthodontic anomalies. Gains skills in model analysis and X-ray pictures. Can compile a comprehensive therapeutic plan, indicate the appropriate type of orthodonticappliance and design its structural and anchoring elements. He is able to use the acquired theoretical knowledge when working with a patient in an outpatient clinic.

Class syllabus:
Orthodontic therapy in general.
Indications and contraindications of fixed and removable orthodontic appliances.
Techniques of fixed orthodontic appliances.
Anchoring in orthodontics, extraoral strokes.
TMK disorders, bite enhancement.
Functional jaw orthodontic appliances.

Recommended literature:
Kamínek M. et al.: Ortodoncie. Praha, Galén 2014.

Languages necessary to complete the course:

slovak

Notes:

Past grade distribution
Total number of evaluated students: 8

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., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Alena Koniarová, PhD., MUDr. Mária Hnátová, MUDr. Radko Janovský, MDDr. Ľubomír Gazdík

Last change: 07.04.2022

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-SS6/21	**Course title:** Orthopaedic Dental Medicine
Number of credits: 6	
Recommended semester: 11., 12..	
Educational level: I.II.	

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%.
Practical State Examination is carried out in the form of exercises in the treatment of patients at the time of block education in the 6th year of the subject of prostodontics, orthodontics and then PowerPoint presentation of individual clinical cases.
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.
Occlussion 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: diastoles, anomalies of the number of teeth, position and size of teeth, compression, crosstalk.
TMK disturbances, elevation.
Model analysis, symmetroscopy, 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, 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.
Hubálková, 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.
Orthodontics:
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, Ľ., 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:
slovak/english

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KORL/J-S-ZL-060/18	Otorhinolaryngology

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites:

Course requirements:
Participation 90% on practical lessons. Activity during education.
Scale of assessment (preliminary/final): Student Assessment conducted by a practical and oral part. Overall Rating A, B, C, D, E, Fx. Minimum threshold for success: E.

Learning outcomes:
Completing the course the student obtains detailed information about the anatomy and physiology of the external nose, nasal cavity, pharynx, larynx, statoacoustic organ, oesophagus and tracheobronchial area / ENT organs /. Theory and in practice will become familiar with the basics of history and special investigative techniques in Otorhinolaryngology / ENT / and using imaging methods (CT, MRI, ultrasound) in diseases of ENT organs. Graduated understand the possibilities of diagnosis, treatment and prognosis of diseases of ENT organs. After completing the course can based on the history and basic ENT examination to diagnose the disease. Graduated understand the principles of therapy of ENT diseases, including the most common types of surgical treatment. He is able to understands and is able to practice first aid in acute diseases of ENT organs.

Class syllabus:
1./Nasal and paranasal cavities - anatomy, physiology, pathology, history, examination, therapy. Patient ´s demonstration .
2./ Pharynx and oral cavity - anatomy, physiology , pathology, history, examination, therapy. Patient ´s demonstration .
3./Larynx - anatomy, physiology, pathology, history, examination, therapy . Patient ´s demonstration .
4./Suffocation in E.N.T. , E.N.T.
5./ Ear I - anatomy, physiology, pathology, history, examination, therapy . Patient ´s demonstration .
6./ Ear II - hearing examination /speech, tuning forks, audiometry/ , vestibular system. Patient ´s demonstration .
7./ Medical record , individual work with patient,varia .
8./ Medical record , individual work with patient, varia, operation room .
9./ Medical record , individual work with patient, varia, operation room .
10./ Medical record , individual work with patient, varia, operation room .

Recommended literature:

Languages necessary to complete the course:
English

Notes:

Past grade distribution
Total number of evaluated students: 35

A	ABS0	B	C	D	E	FX
88,57	0,0	5,71	5,71	0,0	0,0	0,0

Lecturers: prof. MUDr. Andrej Hajtman, PhD., doc. MUDr. Vladimír Čalkovský, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-074/19	Parodontology (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 1 **per level/semester:** 28 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-087/19 - Preventive Dental Medicine (2)

Course requirements:
Consecutive Evaluation - test: minimum to pass: 65%.
Assessment: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Value in final grade: 80 %.
Practical exam (individual work): Realisation of required acts on patients. Value in final exam: 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:
Course graduate has general knowledge and information on etiopathogenesis of periodontal diseases. He becomes acquainted with classifications, understands the fundamentals of making a diagnosis, measures periodontal indices. He manages the analysis and can distinguish between the healthy and affected periodontium. He understands the principles of prevention and recall system. He gains experience in making a complex treatment plan. He adopts basic methods of conservative and surgical periodontitis treatment. He can use the acquired theorethical and practical skills in patient managment in a dental office.

Class syllabus:
Anatomy, histology and physiology of periodontium. Dental microbial plaque (formation, development, organisation and characteristics according to localisation and type of disease. Dental calculus, formation, composition. Clinical examination of patient in periodontology, periodontal indices. X – ray examination, microbiological examination, genetics examination, interpretation of examination results. Role of local and systemic factors in etiology of periodontal diseases, immune system and defense mechanisms of periodontium. Classification of periodontal diseases. Gingivitis – diagnostics, clinical signs and treatment. Necrotising periodontal disease, affections on gingiva in HIV infection. Systemic disorders and their manifestation on periodontal tissues. Gingival recessus – classification, treatment. Periodontitis – classification, diagnostics, clinical signs and treatment. Instruments in periodontology. Basics of conservative and surgical periodontitis treatment. PRACTICALS: Examination of patients with periodontal diseases, periodontal indeces.

Methods in diagnostics. Gingivitis and periodontitis treatment. Making a treatment plan. Scaling, deep scaling + root planing. Full mouth therapy. Periodontal diseases treatment.

Recommended literature:

Siebert,T.: Parodontológia I., Jesseniova LF v Martine, UK Bratislava, 2020, ISBN: 978-80-8187-077-4.
Siebert,T.: Parodontológia II., Jesseniova LF v Martine, UK Bratislava,2021, ISBN: 978-80-8187-098-9.
Eickholz, P.: Parodontologie od A po Z. Základy pro praxi. Praha: Quintessenz, 2013. 261 s. ISBN 978-86979-10-6.
Mutschelknauss, R. E.: Praktická parodontologie: klinické postupy. Praha: Quintessenz, 2002. 532 s. ISBN 80-902118-8-7.
Slezák, R., Dřízhal, I.: Atlas chorôb ústní sliznice. Praha: Quintessenz, 2004. 336 s. ISBN 80-903181-5-0.
Lang, NP, Lindhe, J.: Clinical Periodontology and Implant Dentistry. 6th Edition. Two volume set. Wiley Blackwell, 2015, ISBN 978-0-470-67248-8.
Wolf, HF., Rateitschak, KM., Hassel, TM.: Colour Atlas of Dental Medicine. Periodontology. Thieme New York. 2005, ISBN 3-13-675003-9.

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
51,85	0,0	29,63	14,81	0,0	3,7	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., MDDr. Barbora Stenchláková, doc. MUDr. Tomáš Siebert, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-083/19	Parodontology (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-074/19 - Parodontology (1) and JLF.KSMCh/J-S-ZL-101/21 - Oral Medicine (2)

Course requirements:
Consecutive Evaluation - test: minimum to pass: 65%. Practical Exam - individual work. Rate in the final evaluation: 20%.
Final examination is realized by the oral examination. Value of the oral examination in the final grade is 80 %.
Continuous assessment in a form of test: minimal requirements of 65 %.
Assessment: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less.
Practical exam (individual work): Realisation of required acts on patients. Value in final exam : 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:
Course graduate has general knowledge and information on etiopathogenesis of periodontal diseases. He becomes acquainted with classifications, understands the fundamentals of making a diagnosis, measures periodontal indices. He manages the analysis and can distinguish between the healthy and affected periodontium. He understands the principles of prevention and recall system. He gains experience in making a complex treatment plan. He adopts basic methods of conservative and surgical periodontitis treatment. He can use the acquired theorethical and practical skills in patient managment in a dental office.

Class syllabus:
Principles of prothetic treatment in patients with periodontal diseases. Basics of implantological therapy in patients with periodontal diseases. Basics of conservative periodontal treatment. Resective methods in treatment of periodontitis. Regeneretive methods in treatment of periodontitis. Relationship between articulation and periodontology, occlusal trauma. Modifications of articulation and aims of these modificatrions. Basics of teeth splinting in periodontology. Systemic and local antimicrobial agents in periodontology.

PRACTICALS: Examination of patients with periodontal diseases, periodontal indeces. Methods in diagnostics. Gingivitis and periodontitis treatment. Making a tretament plan. Scaling, deep scaling + root planing. Full mouth therapy. Periodontal diseases treatment.

Recommended literature:

Siebert, T.: Parodontológia I., Jesseniova LF v Martine, UK Bratislava, 2020, ISBN 978-80-8187-077-4.
Siebert, T.: Parodontológia II., Jesseniova LF v Martine, UK Bratislava, 2021, ISBN 978-80-8187-098-9.
Eickholz, P.: Parodontologie od A po Z. Základy pro praxi. Praha: Quintessenz, 2013. 261 s. ISBN 978-86979-10-6.
Mutschelknauss, R. E.: Praktická parodontologie: klinické postupy. Praha: Quintessenz, 2002. 532 s. ISBN 80-902118-8-7.
Slezák, R., Dřízhal, I.: Atlas chorob ústní sliznice. Praha: Quintessenz, 2004. 336 s. ISBN 80-903181-5-0.
Lang, NP, Lindhe, J.: Clinical Periodontology and Implant Dentistry. 6th Edition. Two volume set. Wiley Blackwell, 2015, ISBN 978-0-470-67248-8
Wolf, HF., Rateitschak, KM., Hassel, TM.: Colour Atlas of Dental Medicine. Periodontology. Thieme New York. 2005, ISBN 3-13-675003-9.

Languages necessary to complete the course:
slovak/english

Notes:

Past grade distribution
Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
40,74	0,0	37,04	7,41	3,7	11,11	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Barbora Stenchláková, doc. MUDr. Tomáš Siebert, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-091/21	Parodontology (3)

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 120s
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 11., 12..

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-083/19 - Parodontology (2) and JLF.KSMCh/J-S-ZL-101/21 - Oral Medicine (2)

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 cavityRate 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 occurence 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 Stomatities.
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 immunosuppresive 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 Zűrrich, 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 Zűrrich, 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., Dřízhal, 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: 8

A	ABS0	B	C	D	E	FX
87,5	0,0	0,0	0,0	0,0	0,0	12,5

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, doc. MUDr. Tomáš Siebert, PhD., MUDr. Mária Hnátová, MUDr. Radko Janovský, MDDr. Martin Bačinský

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚPA/J-S-ZL-028/17	Pathological Anatomy for Dental Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 2 **per level/semester:** 42 / 28
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 5.

Educational level: I.II.

Prerequisites: JLF.ÚA/J-S-ZL-009/17 - Anatomy for Dental Medicine (2) and JLF.ÚHE/J-S-ZL-013/16 - Histology and Embryology for Dental Medicine (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, concrements. Circulatory disorders. Nonspecific inflammation. Immunopathological processes. Specific inflammation. Enviromenal 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. Edinbourgh, 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: 43

A	ABS0	B	C	D	E	FX
72,09	0,0	18,6	6,98	2,33	0,0	0,0

Lecturers: prof. MUDr. Lukáš Plank, CSc., prof. MUDr. Katarína Adamicová, PhD., MUDr. Tomáš Balhárek, PhD., MUDr. Michal Kalman, PhD., MUDr. Petra Kolenčíková, PhD., MUDr. Juraj Marcinek, PhD., MUDr. Jozef Mičák, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚPA/J-S-ZL-037/21	Pathological Anatomy for Dental Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 2 **per level/semester:** 42 / 28
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 6.

Educational level: I.II.

Prerequisites: JLF.ÚPA/J-S-ZL-028/17 - Pathological Anatomy for Dental Medicine (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 musculosceletal 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. Edinbourgh, 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: 8

A	ABS0	B	C	D	E	FX
12,5	0,0	87,5	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Lukáš Plank, CSc., prof. MUDr. Katarína Adamicová, PhD., MUDr. Tomáš Balhárek, PhD., MUDr. Michal Kalman, PhD., MUDr. Petra Kolenčíková, PhD., MUDr. Juraj Marcinek, PhD., MUDr. Jozef Mičák, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚPF/J-S-ZL-029/17	Pathological Physiology for Dental Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 5.

Educational level: I.II.

Prerequisites: JLF.ÚFy/J-S-ZL-019/21 - Physiology for Dental Medicine (2)

Course requirements:
Assessment of students is carried out in the form of two presentations, minimum passing score is 60%. Assessment scale: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, FX: 60 % and less. Active participation in practicals.
Scale of assessment (preliminary/final): Scale of assessment (preliminary/final): 100/0

Learning outcomes:
After completion of the subject the student will understand the basic morphological and functional manifestations of diseases, gain knowledge about the basic groups of causes of diseases, the mechanisms involved in the origin and development of symptoms and signs of diseases of various systems of the human body.

Class syllabus:
Introduction to pathophysiology – definition, main tasks of pathophysiology in medical education, content, organization and forms of the teaching process.
Health and disease – the concept of health and disease, illness and disease, stages and time course of the disease, aetiology of health, aetiology of the disease.
General etiopathogenesis of diseases - noxae and mechanisms of their influence on the body, physical, chemical. biological and social factors, the role of apoptosis, genetics and disorders in autoregulation in pathogenesis.
Mechanism leading to fluid and electrolyte balance disturbances, their consequences - movement of body fluids and electrolytes across the cell membrane and among body fluid compartments; regulation of body fluid and electrolytes and its disturbances; volume imbalances, osmolality imbalances, dehydration, hyperhydration, edema.
Disorders of acid base balance - regulation of pH in extracellular fluid, compensatory responses to alterations in pH, metabolic acidosis and alkalosis, respiratory acidosis and alkalosis, mixed acid-base disorders, the influence of pH disorders on functions of the body systems.
Role of the changed reactivity of the body in the pathogenesis of diseases - mechanisms responsible for physiological reactivity of the body, for development of hyperreactivity and hyporeactivity.
Stress – mechanisms responsible for the development of stress reaction; the role of stress in health protection and pathogenesis of diseases.

Inflammation as a protective and auto-aggressive process, systemic inflammatory response of the body (SIRS) - local inflammation versus SIRS, SIRS – causes, mechanisms, consequences. SIRS and sepsis.
Pathophysiology of nutrition – mechanisms involved in the development of obesity and malnutrition - classification, consequences for body organs and systems functions. Disturbances of lipids, proteins, and purines metabolism – pathomechanisms involved in the development of hyper- and hypolipidemias, hyper-and hypoproteinemias; hyperuricemia: consequences.
Pathophysiology of pain - definitions, classifications of pain; neuroanatomy and neurophysiology of pain; theory of pain onset, neuromodulation of pain; acute and chronic pain; visceral and somatic pain; disturbances in pain nociception and perception, the importance of pain in body defence and pathogenetic mechanisms of disease development.
Pathophysiology of carbohydrate metabolism; diabetes mellitus (DM) - disturbances in carbohydrate digestion; DM – definitions, classifications, etiopathogenesis, pathomechanisms involved in the development of DM and its symptoms and signs; acute and chronic complications of DM – mechanisms involved in their development.
Pathophysiology of circulatory shock - definitions and general pathomechanisms involved, stages of shock, types of shock, reversible and irreversible stages, effects of shock on the function of body organs and systems.
Pathophysiology of cerebral ischemia - definition, causes and mechanisms involved in the development of brain ischemia – a blood pressure decrease, rheologic properties of blood and microcirculation, collateral circulation, no-reflow phenomenon, the threshold of ischemic injury, ischemic penumbra, diaschisis, ischemic brain edema, consequences of brain ischemia.
Dysfunction of arterial and venous circulation in lower extremities - arterial occlusion by thrombosis, embolism, vasospastic diseases – causes, mechanisms, consequences. Deep venous thrombosis, thrombophlebitis, chronic venous insufficiency, causes, mechanisms, consequences, lymphedema.
Pathophysiology of pulmonary and visceral circulation - differences between pulmonary and systemic circulation, the pathogenesis of pulmonary hypertension, pathophysiology of pulmonary embolism, pulmonary shunts, disturbances of the blood circulation in the GIT – causes, mechanisms, consequences.
Pathophysiology of blood - anaemia, polycythaemia, leukaemia – classification, causes, mechanisms, consequences. Most common disturbances of coagulation, causes, mechanisms and consequences.
Pathophysiology of ageing and terminal stages - definitions, mechanisms responsible for ageing of tissues and organs, changes of organs and systems of the body due to ageing. Mechanisms involved in terminal stages development, symptoms and signs of terminal stages.
Pathophysiology of immunity - disturbances of immunity, their role in the pathogenesis of diseases.
Pathophysiology of thermoregulation - fever, hyperthermia, hypothermia, mechanisms involved in onset and development, changes of body functions, positive and negative consequences; burns and frostbites - mechanisms of development, manifestations.

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
Nečas E. a kol.: Obecná patologická fyziologie, UK Praha, Karolinum 2021, 312 s.
Nečas E. a kol.: Patologická fyziologie orgánových systémů – Část I, UK Praha, Karolinum 2009, 379 s.

Nečas E. a kol.: Patologická fyziologie orgánových systémů – Část II, UK Praha, Karolinum 2009, 396 s.

Languages necessary to complete the course:
Slovak language

Notes:

Past grade distribution
Total number of evaluated students: 43

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

Lecturers: prof. MUDr. Jana Plevková, PhD., prof. MUDr. Renata Péčová, PhD., prof. MUDr. Miloš Tatár, CSc., MUDr. Tomáš Buday, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚPF/J-S-ZL-038/17	Pathological Physiology for Dental Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 6.

Educational level: I.II.

Prerequisites: JLF.ÚPF/J-S-ZL-029/17 - Pathological Physiology for Dental Medicine (1)

Course requirements:
Assessment of students is carried out in the form of two presentations, minimum passing score is 60%. Assessment scale: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, FX: 60 % and less. Active participation in practicals. Oral examination.
Scale of assessment (preliminary/final): Scale of assessment (preliminary/final): 10/90

Learning outcomes:
After completion of the subject the student will understand the basic morphological and functional manifestations of diseases, gain knowledge about the basic groups of causes of diseases, the mechanisms involved in the origin and development of symptoms and signs of diseases of various systems of the human body.

Class syllabus:
Disturbances of blood pressure regulation - systemic arterial hypertension, mechanisms of development of primary and secondary hypertension, mechanisms of development of complications in subjects with arterial hypertension. Systemic arterial hypotension.
Ischemic heart disease - mechanisms of development of ischemic heart disease, mechanisms of disturbances of electrophysiology and mechanical function of the heart caused by ischemia, atherosclerosis as the main pathogenic factor of ischemic heart disease, mechanisms of reperfusion injury. Arrhythmias.
Pathophysiology of heart failure - mechanisms leading to the onset and progression of heart failure responsible for systolic and diastolic dysfunction of the heart, acute and chronic heart failure, right and left-side heart failure, mechanisms leading to the manifestation of heart failure.
Pathomechanisms involved in the development of the most common symptoms and signs of cardiovascular diseases.
Disturbances of external ventilation - lung ventilation and mechanisms involved in its disturbances – alveolar hyper- and hypoventilation; extrapulmonary and intrapulmonary mechanisms involved in lung ventilation disturbances, in the distribution of air in the lung, in the diffusion of gases across the alveolo-capillary membrane, in lung perfusion; in ventilation-perfusion ratio, consequences of lung ventilation disturbances for exchange of gases in the lung.

Pathophysiology of obstructive pulmonary diseases - pathogenesis of bronchial asthma - pathogenesis, symptoms, and signs, pathomechanisms involved in the exchange of gases in the lung. Chronic obstructive pulmonary disease (COPD) – pathogenesis; main mechanisms involved in disturbances of gas exchange in COPD.
Hypoxia - causes and mechanisms involved in the development of main types of hypoxia; compensatory mechanisms, influence of hypoxia on different organs and systems of the human body.
Hyperoxia - causes and mechanisms involved in the development of hyperoxia, main mechanisms responsible for the negative influence of hyperoxia on tissues.
Respiratory failure (RF) - causes, main consequences of RF – hypoxaemia and hypercapnia; mechanisms responsible for the development of symptoms and signs.
Pathomechanisms of the most important symptoms and signs of respiratory diseases.
Disturbances of glomerular and tubular functions - causes and mechanisms involved in the development of glomerular and tubular disturbances - their consequences for the inner environment of the body; the decrease of glomerular filtration rate; glomerular and tubular proteinuria, glomerular haematuria; disturbances of tubular functions – diabetes insipidus, osmotic diuresis, acidification of urine; nephrotic syndrome (NS) – mechanisms involved in the development of NS; main symptoms and signs related to disturbances of glomeruli and tubuli - A-B balance changes, disturbances of the nervous system, hematopoietic system and other systems of the human body.
Pathophysiology of acute and chronic renal failure - causes of acute and chronic renal failure, disturbances in homeostasis in renal failure – uremic syndrome, mechanisms responsible for multiorgan dysfunction in acute and chronic renal failure.
Pathomechanisms of the most important symptoms and signs arising from renal diseases
Pathophysiology of the gastrointestinal tract - pathogenesis of gastric and duodenal ulcers, the pathophysiology of the small and large intestine.
Pathophysiology of liver - basic functions of the liver; hepatic insufficiency and its consequences. Portal hypertension. Hepatopulmonary syndrome.
Disorders of the endocrine system - general effects of hormones; causes and mechanisms involved in the development of disturbances in hypothalamic-pituitary system, in thyroid function, in the function of the adrenal cortex, and in the function of the parathyroid gland; mechanisms involved in the development of symptoms and signs related to mentioned disturbances.
Pathophysiology of acute conditions in dental practice.
Pathophysiology 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
Nečas E. a kol.: Obecná patologická fyziologie, UK Praha, Karolinum 2021, 312 s.
Nečas E. a kol.: Patologická fyziologie orgánových systémů – Část I, UK Praha, Karolinum 2009, 379 s.
Nečas E. a kol.: Patologická fyziologie orgánových systémů – Část II, UK Praha, Karolinum 2009, 396 s.

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 43

A	ABS0	B	C	D	E	FX
95,35	0,0	2,33	0,0	2,33	0,0	0,0

Lecturers: prof. MUDr. Renata Péčová, PhD., MUDr. Tomáš Buday, PhD., prof. MUDr. Miloš Tatár, CSc., prof. MUDr. Jana Plevková, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-075/19	Pediatric Dentistry (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 1 **per level/semester:** 28 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Dental Materials and Technologies I, II; Preventive Dental medicine I, II; Conservative Dentistry, endodontics I

Course requirements:
Completion of 100% participation in practical exercises and lectures
Ongoing monitoring with evaluation record during clinical training
Final test with a minimum knowledge assessment of 65% in the relevant semester.
List of procedures during clinical practice:
Comprehensive examination of a preschool pediatric patient and treatment plan (10)
Comprehensive examination of a school - age patient and treatment plan (10)
Comprehensive examination and treatment plan for a patient of adolescent age (15-18 years) (10)
Determination of bone age on orthopantomogram (10)
Sealing of tooth fissures (5)
Preventive fillings (5)
Filling of deciduous teeth (5)
Filling of permanent teeth (7)
Indirect dental pulp cover (5)
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:
The graduate meets a pediatric patient with whom he learns to communicate, diagnose and treat tooth decay in dairy and permanent dentistry, and learns to fill in documentation. Participates in psychoprophylaxis and psychotherapy of the child patient.

Class syllabus:
Communication with pediatrics patient and parent. Pediatrics patient at the first visit to the dental clinic. Oral health care of the young generation. Growth and development of deciduous teeth,

determination of dental age in deciduous dentistry. The role and function of deciduous teeth, fluoride and non-fluoride prevention of tooth decay in children. Growth and development of permanent teeth, determination of dental age in permanent dentition. The role of mixed teeth. Teeth with incomplete development, characteristics of teeth with incomplete development, their treatment. Differences between deciduous and permanent teeth.
Documentation. Psychoprophylaxis and childhood psychotherapy. Medication preparation of the child before treatment. Treatment under general anesthesia and sedation in consciousness.
Dental care of health compromised children. Cariology of deciduous teeth, diagnostics, initial stages of tooth decay and their treatment. X-ray diagnostics of dental caries. Prevention and dental hygiene in the pedostomatological patient. Basics of proper nutrition for children and adolescents.

Recommended literature:

Ležovič, J. a kol.: Detské zubné lekárstvo. Banská Bystrica DALI, ISBN 978-80-89090-41-9.
Merglová, V., Ivančáková, R.: Zubní kaz a jeho prevence v časném dětském věku. ČSK, 2009, ISBN 9788087109168.
Angus, C. Cameron et al.: Handbook of Pediatric Dentistry, Mosby, 2008, ISBN 13: 978-0723434528, 3rd edition.
Markovská, N., Janitorová, E.: Preventívne zubné lekárstvo 1, ISBN 978-80-89546-04-6, r.2011
Ján Ležovič • Detské zubné lekárstvo, Vydavateľstvo: Dali-BB, 2012.
Vlasta Merglová a Hana Hecová • Praktická cvičení z dětského a konzervačního zubního lékařství, CZ, Vydavateľstvo : Karolinum, 2010.
Šedý, J.: Kompendium stomatologie II. 1. vydanie, Praha: Stanislav Juhaňák, Triton, 2016, 1195 s. ISBN 978-80-7553-220-6.

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: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Martin Bačinský

Last change: 31.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-086/19	Pediatric Dentistry (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 1 **per level/semester:** 42 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-035/21 - Preventive Dental Medicine (1) and JLF.KSMCh/J-S-ZL-053/18 - Conservative Dentistry, Endodontics (2)

Course requirements:
Completion of 100% participation in practical exercises and lectures
Ongoing monitoring with evaluation record during clinical training
Final test with a minimum knowledge assessment of 65% in the relevant semester.
List of procedures during clinical practice:
Comprehensive examination of a preschool pediatric patient and treatment plan (10)
Comprehensive examination of a school - age patient and treatment plan (10)
Comprehensive examination and treatment plan for a patient of adolescent age (15-18 years) (10)
Determination of skeletal age on orthopantomogram (10)
Sealing of tooth fissures (5)
Preventive fillings (5)
Filling of deciduous teeth (5)
Filling of permanent teeth (7)
Indirect dental pulp cover(5)
Mortal dental pulp treatment (2)
Treatment of deciduous root canal (3)
Local anesthesia (5)
Mandibular anesthesia (3)
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:
The graduate acquires theoretical knowledge of inflammatory diseases of the pulp and periodontium in dairy and mixed teeth, with indication, differential diagnosis and subsequent therapy of these diseases. He applies this knowledge in practice under the supervision of the teacher.

Class syllabus:

Disorders of hard dental tissue formation, diagnosis and therapy. Dental pulp inflammation, causes, pathological-anatomical features, therapy and prevention. Necrosis and gangrene of the dental pulp, apical periodontitis in dental dentition, X-ray, dental focal infection, therapy and prevention.

Recommended literature:

Koch, G.: Pedontics, 1994.
Komínek, J.: Dětská stomatologie, 1988.
Wei, S.H.Y.: Pediatric dentistry - total patient care, 1988.
Whaites, E.: Essentials of dental radiography and radiology, 1998.
Ležovič, J. a kol.: Detské zubné lekárstvo, 2005.
Ležovič, J.: Detské zubné lekárstvo, Vydavateľstvo: Dali-BB, 2012.
Seydlová, M.: Pedostomatologie, CZ, Vybrané kapitoly Vydavateľstvo: Mladá fronta, 2015.
Merglová, V., Ivančáková, R.: Zubní kaz a jeho prevence v časném dětském věku. ČSK, 2009, ISBN 9788087109168.
Vlasta Merglová a Hana Hecová: Praktická cvičení z dětského a konzervačního zubního lékařství, CZ, Vydavateľstvo: Karolinum, 2010.

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
77,78	0,0	18,52	3,7	0,0	0,0	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-092/21	Pediatric Dentistry (3)

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 120s
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 11., 12..

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Conservative Dentistry, endodontics I, II, III; Preventive Dental Medicine I, II

Course requirements:
Completion of 100% participation in practical exercises and lectures
Continuous assessment with recording of the evaluation during clinical teaching
Final test with a minimum knowledge assessment of 65% in the relevant semester.
List of procedures during clinical practice:
Comprehensive examination of a preschool pediatric patient and treatment plan (10)
Comprehensive examination of a school - age patient and treatment plan (10)
Comprehensive examination and treatment plan for a patient of adolescent age (15-18 years) (10)
Determination of bone age on orthopantomogram (10)
Sealing of tooth fissures (5)
Preventive fillings (5)
Filling of deciduous teeth (5)
Filling of permanent teeth (7)
Indirect dental pulp cover (5)
Mortal dental pulp treatment (2)
Treatment of deciduous root canal (3)
Local anesthesia (5)
Mandibular anesthesia (3)
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 cavityRate in the final evaluation: 20%Final Evaluation: State Exam (12th semester)

Learning outcomes:
The graduate is able to provide basic treatment for acute and life-threatening conditions. Can comprehensively examine, diagnose and design a treatment plan for a child patient. He is involved in the treatment of inflammatory diseases of the teeth in children and the diagnosis of inflammation of

the lymphatic system and diseases of the salivary glands. Gains knowledge of genetics in pediatric dentistry.

Class syllabus:
Inflammatory diseases of the teeth and periodontium. Inflammation of the lymphatic system. Inflammation of the face in children. Diseases of the salivary glands. Infectious diseases in children with manifestations in the oral cavity. Manifestations of endocrine diseases in the oral cavity. Manifestations of blood diseases. Growth and development as a determining factor in prevention and therapy in children. Genetics in pediatric dentistry. Comprehensive analysis of a child patient. Professional ethics and ethical standards in relation to patients, staff and colleagues.

Recommended literature:
Ležovič, J. a kol.: Detské zubné lekárstvo. Banská Bystrica DALI, ISBN 978-80-89090-41-9,1.vydanie.
Merglová V., Ivančáková, R.: Zubní kaz a jeho prevence v časném dětském věku. ČSK, 2009, ISBN: 9788087109168.
Goran Koch, Sven Poulsen: Pediatric Dentistry: A Clinical Approach Wiley-Blackwell, 2009, ISBN-13: 978-1405161008, 2nd edition.
Angus C. Cameron et al.: Handbook of Pediatric Dentistry Mosby, 2008, ISBN-13: 978-0723434528, 3rd edition.
Ležovič, J.: Detské zubné lekárstvo, Vydavateľstvo: Dali-BB, 2012.
Vlasta Merglová a Hana Hecová • Vydavateľstvo: Karolinum, 2010, Praktická cvičení z dětského a konzervačního zubního lékařství, CZ.

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 Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Martin Bačinský, MUDr. Radko Janovský, MUDr. Mária Hnátová

Last change: 31.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KDD/J-S-ZL-069/19	Pediatrics

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites: JLF.ÚPA/J-S-ZL-037/21 - Pathological Anatomy for Dental Medicine (2) and JLF.ÚPF/J-S-ZL-038/17 - Pathological Physiology for Dental Medicine (2) and JLF.IKG/J-S-ZL-039/21 - Internal Medicine Propedeutics (2)

Course requirements:
-90% participation in practical exercises
(1 absent from practical exercises)
- writing a medical record at the last exercise
Scale of assessment (preliminary/final): monitoring student activity, practical and theoretical exam

Learning outcomes:
Student will get the knowledge about the growth physiology, child development and the nutrition in particular age categories.The student knows standard diagnostic procedures and tests of the most common diseases of the child, clinical manifestations and treatment of acute conditions in paediatrics. Upon completion of the course, the student will be able to treat the most common childhood diseases with a focus on their connection with the oral cavity. The student is able to cope with acute conditions that may occur in the treatment of children by dentists.

Class syllabus:
Division of childhood. Growth and development of the child. Characteristics of individual age periods. Nutrition in paediatrics and nutritional disorders in childhood.
Specifics of immunology and allergology in childhood, cardiopulmonary resuscitation in childhood Sleep disorders in childhood, polysomnographic examination. Family history and history. Assessment of somatic development. Physical examination of a patient with respiratory disease, The most common neurological symptoms in childhood

Recommended literature:
Lebl., J. a kol. Preklinická pediatrie. Praha: Galén, karolinum, 2007.248 s.ISBN 80-7262-438-6 Jeseňák, M., Bánovči, P. a kol. Imunitný šlabikár- praktický sprievidcs svetom imunológie nielen pre rodičov. Bratislava: SAMEDI,2013.117s ISBN 978-80-970825-5-0 Michálek, J., Dostálová, Kopečná, L. Pediatrická propedeutika. Vybrané kapitoly.Brno: Masarykova Univerzita.2010. Jakušová, Ľ.Výživa v detskom veku (elektronický dokument). Martin:JLF

UK, 2009. 67 s. CD rom. ISBN 978-80-88866-70-1 Jakušová, Ľ.Dostál, A.Výživa dieťaťa v prvom roku života. Martin: Vydavateľstvo Osveta, 2009. 68 s. ISBN 978-80-8063-325-7 Jeseňá, M., Urbančíková,I. a kol. Očkovanie v špeciálnych situáciách. Praha: Mladá fronta.2013239 s. ISBN978-80-204-2805-9 Maťašová,K. Neonatológia1. Bratislava: UK,2012. 155s. ISBN 978-80-223-3172-2 Kovács.L. a kol. Pediatrická propedeutika. Bratislava: Arete.2014.124 s. ISBN 978-80-970624-4-6 Jeseňák. M., Havlíčeková, Z., Bánovčin, P. a kol. Materské mlieko a dojčeni v kontexte modernej medicíny. Bratislava:A- medi management.2015.337 s. ISBN 978-80-89797-05-9

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 27

A	ABS0	B	C	D	E	FX
74,07	0,0	11,11	11,11	0,0	3,7	0,0

Lecturers: prof. MUDr. Peter Bánovčin, CSc.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚFa/J-S-ZL-025/17	Pharmacology (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 5.

Educational level: I.II.

Prerequisites:

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. Presentation of pharmacotherapeutic plan
The minimal limit of successfulness: 60 %. Assessment: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, Fx: 60 % and lower.
Scale of assessment (preliminary/final): 50/50

Learning outcomes:
The student graduated a subject knows:
The basic pharmacokinetic principles (absorption, distribution, biotransformation and elimination of drugs) and factors influencing the fate of drugs in the organisms;
The essential of pharmacodynamics –mechanisms of drugs action from the molecular to the level of the organism;
Drugs prescription – the rules and methods for prescription of brand products (HVLP) as well the basics of individually prepared medicinal products (ILP);
The following special pharmacology topics:
- Pharmacological groups of agents influencing the autonomic nervous system;
- Respiratory system;
- Gastrointestinal system;
- Anticancer agents;
- Immunopharmacology;
- Autacoids Pharmacology (histamine, serotonin, prostanoids, CGRP);
- Drugs affect the metabolism of hormones, homeostasis of minerals, bone metabolism;
- Pharmacology of vitamins.
The main properties of drugs are characterised from the following point of view: mechanism of action, indications, contraindications, side effects, essential 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 the 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, ways of administration, prescription, rules for drugs prescribing – trade products, extemporaneous drugs, opiates, antibiotics;
- Prescription of liquid drug forms – trade products, basics of extemporaneous drugs;
- Prescription of solid and soft drug forms – trade products, basics of extemporaneous drugs;
- Special Pharmacology:
- Pharmacology of ANS: parasympathomimetics, parasympatholytics; sympathomimetics; sympatholytic;
- Pharmacology of GIT: treatment of peptic ulcer disease and inflammatory bowel disease, antiemetics, emetics, prokinetic agent, spasmolytics, treatment of diarrhoea, laxatives, pancreatic enzymes, drugs affecting the function of the bile ducts;
- Pharmacology of respiratory system: treatment of asthma and COPD, antitussives and expectorants;
- Hormones: pancreatic hormones and antidiabetic drugs, adrenal hormones, sex hormones and contraceptives, the hypothalamus and pituitary hormones, thyroid hormones and antithyroid drugs;
- Drugs affecting homeostasis of minerals, bone metabolism, vitamins;
- Principles of anticancer pharmacotherapy;
- Pharmacology of autacoids (histamine antagonists, treatment of allergies, drugs affecting serotonin metabolism, CGRP, migraine treatment, drugs affecting prostaglandins);
- Fundamentals of immunopharmacology (immunosuppression, immunomodulation);
- Clinical trials of drugs;
- Practical lessons aimed at the application of acquired knowledge obtained from the subjects Pharmacology 1. in clinical cases.

Recommended literature:

Mirossay, L., Mojžiš, J. a kol.: Základná farmakológia a farmakoterapia I. + II, Equilibria, 2021.
Rang HP, Dale MM, Ritter JM.: Pharmacology, 9th edition., Churchill Livingstone, 2019.
Rang HP, Dale MM: Pharmacology, 8th edition., Churchill Livingstone, 2015.
Katzung, B.G.: Basic Clinical Pharmacology, 15th edition, New York : McGraw-Hill, 2015.
Katzung, B.G.: Basic Clinical Pharmacology, 19th edition, New York : McGraw-Hill, 2021.
www.ema.europa.eu

Languages necessary to complete the course:
Slovak language

Notes:

Past grade distribution
Total number of evaluated students: 43

A	ABS0	B	C	D	E	FX
27,91	0,0	46,51	23,26	2,33	0,0	0,0

Lecturers: prof. RNDr. Soňa Fraňová, PhD., prof. MUDr. Mgr. Juraj Mokrý, PhD., doc. MUDr. Martina Šutovská, PhD., doc. MUDr. Marta Jošková, PhD., PharmDr. Martin Kertys, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚFa/J-S-ZL-036/17	Pharmacology (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 6.

Educational level: I.II.

Prerequisites: JLF.ÚFa/J-S-ZL-025/17 - Pharmacology (1)

Course requirements:
1. To participate actively on the practicals.
2. To pass 3 written tests during the semester or one final test in the end of semester; Presentation of Pharmacotherapeutic plan.
3. To pass the final oral exam (Content of final exam-General and Special Pharmacology, Drug prescription).
The minimal limit of successfulness: 60 %. Assessment: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, Fx: 60 % and lower.
Scale of assessment (preliminary/final): 30/70

Learning outcomes:
Graduate of the subject Pharmacology 2 masters:
Graduate of the subject Pharmacology 2 masters: Pharmacotherapy of diseases of the cardiovascular system, CNS, management of pain, rational use of antimicrobial drugs. He masters the principles of pharmacotherapy of pain and inflammation, the basics of poison treatment, the specifics of pharmacotherapy in selected groups of patients. Individual parts of Special pharmacology are focused on the characteristics of representatives of selected pharmacological groups in terms of mechanism of action, indication, contraindications, adverse reactions, serious interactions, pharmacokinetic parameters and dosage.

Class syllabus:
Pharmacology of CNS: Classification of the receptor systems and drugs; Hypnotics and Sedatives; Anxiolytics; Antidepressants; Antimanics; Antipsychotics; Nootropic and Cognitive substances; Anticonvulsants; Antiparkinsonic drugs; Drugs used in anaesthesiology: General anaesthetics; Local anaesthetics; Muscle relaxants; Premedication.
- 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.
- Antimicrobial substances: ATB (Inhibitors of bacterial cell wall synthesis, Inhibitors of protein and nucleic acid synthesis); Antituberculotics; Antifungal agents; Anthelmintics; Antimalarial; Antiviral drugs.

- Treatment of pain and inflammation: Opioid analgesics and adjuvant therapy; Non-opioid analgesics; Principles of pain treatment; NSAIDs, Antirheumatics, Antiuratic drugs.
- Principles of toxicology: Treatment of drug poisoning; Drug addiction and addiction therapy.
- Specifics of pharmacotherapy in selected groups of patients: Specifics of pharmacotherapy in Paediatrics, Geriatrics.
- Practical lessons aimed at the application of acquired knowledge obtained from the subjects Pharmacology 2. in clinical cases.

Recommended literature:

Mirossay, L., Mojžiš, J. a kol.: Základná farmakológia a farmakoterapia I. + II, Equilibria, 2021.
Rang HP, Dale MM, Ritter JM.: Pharmacology, 9th edition., Churchill Livingstone, 2019.
Rang HP, Dale MM: Pharmacology, 8th edition., Churchill Livingstone, 2015.
Katzung, B.G.: Basic Clinical Pharmacology, 15th edition, New York : McGraw-Hill, 2015.
Katzung, B.G.: Basic Clinical Pharmacology, 19th edition, New York : McGraw-Hill, 2021.
www.ema.europa.eu

Languages necessary to complete the course:
Slovak language

Notes:

Past grade distribution
Total number of evaluated students: 43

A	ABS0	B	C	D	E	FX
65,12	0,0	16,28	6,98	9,3	2,33	0,0

Lecturers: prof. RNDr. Soňa Fraňová, PhD., prof. MUDr. Mgr. Juraj Mokrý, PhD., doc. MUDr. Martina Šutovská, PhD., doc. MUDr. Marta Jošková, PhD., PharmDr. Martin Kertys, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-102/21	Physiatry

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: ,5 / ,5 **per level/semester:** 7 / 7
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 9.

Educational level: I.II.

Prerequisites:

Course requirements:
To participate actively on the practical sessions. To pass oral testing.
Total number of evaluated students:
A: 0 %, B: 0 %, C: 0 %, D: 0 %, E: 0 %, FX: 0 %, ABS0: 0 %
Scale of assessment (preliminary/final): To participate actively on the practical sessions. To pass oral testing.Total number of evaluated students:A: 0%, B: 0%, C: 0%, D: 0%, E: 0%, FX: 0%, ABS0: 0%

Learning outcomes:
After completion of the course the student obtains knowledge of diagnostics and treatment in the field of Physical Medicine, Rehabilitation Medicine and Balneology. The student understands basic physiotherapeutic procedures and selected special methods of functional disorders treatment. The teaching will focus on the diagnosis and rehabilitation treatment of head and neck diseases, functional disorders in the temporomandibular joint, muscles of mastication, cervical spine, and facial nerve. Student is able to use the acquired theoretical knowledge when working with a patient in anout patient clinic.

Class syllabus:
Physical and Rehabilitation Medicine, Balneology – definition, history, goals, sections
International Classification of Functioning, Disability and Health
Rehabilitation Medicine – means, methods, examinations, staff
Physical Medicine
Facial nerve paralysis
Disorders of temporomandibular joint
Dysfunction of cervical spine

Recommended literature:
Maitin, I.: Current Diagnosis and treatment Physical Medicine and Rehabilitation, McGraw-Hill, 2014. 752 pp.
Gonzales-Fernandez: Handbook Physical Medicine and Rehabilitation, Springer Publishing CoInc, 2021. 1364 pp.

Languages necessary to complete the course:
slovak

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: doc. MUDr. Mária Janíčková, PhD., MPH

Last change: 12.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚTV/J-S-ZL-TV1/15	Physical Education (1)

Educational activities:
Type of activities: practicals
Number of hours:
per week: 2 **per level/semester:** 28
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: 10

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: 06.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚTV/J-S-ZL-TV2/15	Physical Education (2)

Educational activities:
Type of activities: practicals
Number of hours:
per week: 2 **per level/semester:** 28
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: 3

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: 06.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚTV/J-S-ZL-TV3/16	Physical Education (3)

Educational activities:
Type of activities: practicals
Number of hours:
per week: 2 **per level/semester:** 28
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: 06.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚTV/J-S-ZL-TV4/16	Physical Education (4)

Educational activities:
Type of activities: practicals
Number of hours:
per week: 2 **per level/semester:** 28
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: 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: 06.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚFy/J-S-ZL-014/16	Physiology for Dental Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 3 **per level/semester:** 42 / 42
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 3.

Educational level: I.II.

Prerequisites: JLF.ÚA/J-S-ZL-009/17 - Anatomy for Dental Medicine (2)

Course requirements:
1. Completion of 93% of practical exercises and active participation in practical exercises
2. Passing two tests of continuous assessment of the study with at least 60% success (Physiology of Blood, Physiology of nervous system, senses and muscles).
Scale of assessment (preliminary/final): 100/0

Learning outcomes:
The graduate gain a knowledge and understands the functions of the human body on the molecular, subcellular, cellular, tissue, organ and system levels up to an integrated - holistic understanding of the functions of a healthy organism in interaction with society and nature - environmental factors. After completing Physiology for dental medicine 1, he/she understands the functions of the blood, muscles, nervous system, thermoregulation, endocrine system and kidneys. Interactive lectures, analysis of case studies as well as the use of simulation technologies will contribute to the deepening of knowledge. The practical part of the teaching of Physiology for dental medicine 1 will enable the graduate to better understand the abovementioned functions and gain basic experience and skills for independent investigation of some functions by modern methods.

Class syllabus:
Physiology of Blood (body fluids, plasma, erythrocytes, leukocytes, platelets, blood groups, mechanisms of blood clotting, basic methods of blood examination), Physiology of skeletal and smooth muscles, Exercise physiology, Physiology of peripheral, autonomic and central nervous system, Physiology of endocrine system, mechanisms and regulation of urine production and excretion and ontogenetic aspects of given systems.

Recommended literature:
Javorka, K. a kol. Lekárska fyziológia: 1. a 2. diel. 5. prepracované a doplnené vydanie. Martin: Osveta, 2021. 791 s. ISBN 978-80-8063-496-4
Čalkovská, A a kol. Návody k praktickým cvičeniam z fyziológie. 5. vydanie. Bratislava: UK, 2020. 153 s. ISBN 978-80-223-4983-3

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 53

A	ABS0	B	C	D	E	FX
79,25	0,0	20,75	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Andrea Čalkovská, DrSc., prof. MUDr. Kamil Javorka, DrSc., prof. MUDr. Michal Javorka, PhD., prof. MUDr. Daniela Mokrá, PhD., prof. MUDr. Ingrid Tonhajzerová, PhD., MUDr. Ivan Žila, PhD., RNDr. Pavol Mikolka, PhD., MUDr. Zuzana Lazarová, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚFy/J-S-ZL-019/21	Physiology for Dental Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 3 **per level/semester:** 42 / 42
Form of the course: on-site learning

Number of credits: 6

Recommended semester: 4.

Educational level: I.II.

Prerequisites: JLF.ÚFy/J-S-ZL-014/16 - Physiology for Dental Medicine (1)

Course requirements:
1. Completion of 93% of practical exercises and active participation in practical exercises
2. Passing three tests of continuous assessment of the study with at least 60% success (Physiology of gastrointestinal system, Physiology of cardiovascular system and Physiology of respiratory system).

Learning outcomes:
The graduate gain a knowledge and understands the functions of the human body on the molecular, subcellular, cellular, tissue, organ and system levels up to an integrated - holistic understanding of the functions of a healthy organism in interaction with society and nature - environmental factors. After completing Physiology for dental medicine 2 he/she understands the functions of the digestive system, cardiovascular system and respiratory system. Interactive lectures, analysis of case studies as well as the use of simulation technologies will contribute to the deepening of knowledge. The practical part of the teaching of Physiology for dental medicine 2 will help the graduate to better understand the abovementioned functions and gain basic experience and skills for independent investigation of some functions by modern methods.

Class syllabus:
Physiology of the digestive system, mechanisms of digestion and resorption of nutrients, regulation of food and water intake, Physiology of nutrition, Physiology of the cardiovascular system (physiology of heart, blood vessels, specific areas of circulation, regulation of cardiovascular system, reflexes, basic methods of cardiovascular examination), Physiology of respiratory system (ventilation, distribution, diffusion, perfusion, pulmonary surfactant, respiratory mechanics, blood gas transport, artificial lung ventilation, regulation of breathing, airway and lung reflexes, examination methods) and ontogenetic aspects of the functions of these systems.

Recommended literature:
Javorka, K. a kol. Lekárska fyziológia: 1. a 2. diel. 5. prepracované a doplnené vydanie. Martin: Osveta, 2021. 791 s. ISBN 978-80-8063-496-4
Čalkovská, A a kol. Návody k praktickým cvičeniam z fyziológie. 5. vydanie. Bratislava: UK, 2020. 153 s. ISBN 978-80-223-4983-3

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 10

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

Lecturers: prof. MUDr. Andrea Čalkovská, DrSc., prof. MUDr. Kamil Javorka, DrSc., prof. MUDr. Michal Javorka, PhD., prof. MUDr. Daniela Mokrá, PhD., prof. MUDr. Ingrid Tonhajzerová, PhD., MUDr. Ivan Žila, PhD., MUDr. Zuzana Lazarová, PhD., RNDr. Pavol Mikolka, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-035/21	Preventive Dental Medicine (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 2 **per level/semester:** 42 / 28
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 5.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-033z/17 - Propedeutics of Dental Medicine (4) and JLF.KSMCh/J-S-ZL-034/21 - Dental materials and technologies (2)

Course requirements:
Continuous assessment in a form of test: minimal requirements of 65%.
Assessment: A: 93–100%, B: 86–92%, C: 79–85%, D: 72–78%, E: 65–71%, FX: 64% and less.
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:
Course graduate has general knowledge and information on principles of primary, secondary and tertiary prevention in dental medicine. He adopts the basics of oral cavity examination, in particular hard dental tissues, periodontal tissues, oral mucosa and tongue using the standardised methods of WHO. Theorethically and practically, he can measure the indices of cariogenity, periodontal indices and dental plaque indices. He understands the principles of professional management of optimal oral hygiene, motivation and motivational interview. He understands the fundamentals of patient instruction on methods of individual home dental hygiene. Passing the course, the student gets knowledge and skills essential in making a treatment plan and an individual preventive plan for a patient in recall scheme.

Class syllabus:
Definition of oral health and prevention. Transmission of infections in healthcare system.
Primary, secondary and tertiary prevention, WHO projects.
Oral microbial biofilm – definition, formation, composition, bacterial species according to plaque maturity, cariogenic species and periodontal pathogenes.
Dental calculus – division, clinical manifestation.
Etiology and pathogenesis of tooth caries, gingivitis, periodontitis.
Saliva and hyposalivation, xerostomia, saliva pH – Saliva Check Buffer test.
Pre–eruptive and post-eruptive influence of nutrition on teeth and periodontal tissues.
Anamnesis and its role in patients treatment, patient motivation, motivational interview.
Intraoral and extraoral patient examination.
Patient examination – plaque, gingival and periodontal indices, DMFT and DMFS indices.

Predilection sites for tooth caries, initial carious lesion, tooth caries – clinical and X-ray diagnostics and treatment of incipient caries.
Assessing the risk of dental caries, Dentocult tests – SM, LB.
Stanovenie rizika zubného kazu, Dentocult Test – SM, LB.
Diagnostics of gingivitis and periodontitis.
Professional dental hygiene – supragingival dental plaque and calculus removal, working with dental curettes and their types, mechanical instrumentation, Air-flow method. Indications and contraindications.
Individual home dental hygiene – teeth brushing techniques and their indications, manual and electric toothbrush, single tufted toothbrush, interdental brushes and dental floss – ways of using, indications, active agents used for dental plaque control.
Endogenous and exogenous fluoridation, fluorosis, fluoridation agents – mechanisms of action.
Prevention of non-carious defects of hard dental tissues – erosion – BEWE index, barasion, attrition, abfraction.
Tooth sealing and preventive fillings – indication, appropriate timing, instructions.

Recommended literature:

Kilian, J. a kol.: Prevence v stomatologii. Praha: Galén, 1999. 239 s. ISBN 80-7262-022-3.
Hellwig, E., Klimek, J., Attin, T.: Záchovná stomatologie a parodontologie, Grada Avicenum 2003, ISBN: 80-247-0311-4.
Siebert, T.: Parodontológia I., Jesseniova LF v Martine, UK Bratislava, 2020, ISBN 978-80-8187-077-4.
Siebert, T.: Parodontológia II., Jesseniova LF v Martine, UK Bratislava, 2021, ISBN 978-80-8187-098-9.
Stejskalová, J. a kol.: Konzervační zubní lékařství. Praha: Grada, 2003. 235 s. ISBN 80-7262-225-0.
Minčík, J. a kol.: Kariológia. vyd. JES, 2014, s. 256, ISBN 9788088900627.
Javorka, V., Janková, M., Tomandlová, A.: Praktické cvičenia z preventívnej stomatológie. Bratislava: Univerzita Komenského, 1995. 81 s. Skriptá. ISBN 80-223-0910-9.

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 8

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

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, Mgr. Viera Buchová, MDDr. Barbora Stenchláková

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-087/19	Preventive Dental Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 3 / 2 **per level/semester:** 42 / 28
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-035/21 - Preventive Dental Medicine (1) and JLF.KSMCh/J-S-ZL-053/22 - Conservative Dentistry, Endodontics (2) and JLF.KSMCh/J-S-ZL-054/22 - Dental Protetics (2) and JLF.KSMCh/J-S-ZL-052/21 - Dentoalveolar and Maxillofacial Surgery (1)

Course requirements:
Final examination is realized by the oral examination. Value of the oral examination in the final grade is 80%.
Continuous assessment in a form of test: minimal requirements of 65%.
Assessment: A: 93–100%, B: 86–92%, C: 79–85%, D: 72–78%, E: 65–71%, FX: 64% and less.
Value of continuous test in final grade is 20%.
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:
Course graduate has complex information about aims, projects and epidemiological studies about oral health. He understands the fundamentals of tooth caries prevention, prevention in periodontology, dental prosthetics, orthodontics, prevention of temporomandibular joint diseases, oncological diseases in oromaxillofacial area. He can use the acquired theoretical knowledge in patient managment in a dental office.

Class syllabus:
Oral health – aims of WHO on its provision.
Project of WHO – „Zdravie pre všetkých do roku 2000“ and „Zdravie 21“.
Epidemiology of chronic, infectious non-transmissible diseases – dental caries, periodontal diseases.
Results of epidemiological studies in Europe and SR.
Age groups with high importance of being screened for oral health disorders.
Practical realisation of education of children in basic schools, aged from 6-14 years according to the WHO recommendations.
Prevention of systemic complications in dental medicine. Prevention of hemorrhagic cases, infectious endocarditis in dental medicine.

Treatment of high risk patients.
Prevention of orthodontic anomalies.
Prevention in dental prosthetics.
Prevention of temporomandibular joint diseases.
Prevention of trauma in oromaxillofacial area.
Prevention of oncological diseases in oromaxillofacial area.

Recommended literature:

Javorka, V., Janková, M., Tomandlová, A.: Praktické cvičenia z preventívnej stomatológie. Bratislava: Univerzita Komenského, 1995. 81 s. Skriptá. ISBN 80-223-0910-9.
Kilian, J. a kol.: Prevence v stomatologii. Praha: Galén, 1999. 239 s. ISBN 80-7262-022-3.
Stejskalová, J. a kol.: Konzervační zubní lékařství. Praha: Grada, 2003. 235 s. ISBN 80-7262-225-0.
Minčík, J. a kol.: Kariológia. vyd. JES, 2014, s. 256, ISBN 9788088900627.
Siebert, T.: Parodontológia I., Jesseniova LF v Martine, UK Bratislava, 2020, ISBN 978-80-8187-077-4.
Siebert, T.: Parodontológia II., Jesseniova LF v Martine, UK Bratislava, 2021, ISBN 978-80-8187-098-9.

Languages necessary to complete the course:
slovak/english

Notes:

Past grade distribution
Total number of evaluated students: 36

A	ABS0	B	C	D	E	FX
58,33	0,0	27,78	8,33	2,78	2,78	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, doc. MUDr. Tomáš Siebert, PhD., Mgr. Viera Buchová, MDDr. Barbora Stenchláková

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-017/21	**Course title:** Propedeutics of Dental Medicine (1)
Educational activities: **Type of activities:** practicals / lecture **Number of hours:** **per week:** 4 / 1 **per level/semester:** 56 / 14 **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 modell 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: 11

A	ABS0	B	C	D	E	FX
81,82	0,0	9,09	9,09	0,0	0,0	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-023/21	Propedeutics of Dental Medicine (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 4 / 1 **per level/semester:** 56 / 14
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 2.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-017/21 - Propedeutics of Dental Medicine (1)

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 Occurence.
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 resistence).
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.
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, 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: 10

A	ABS0	B	C	D	E	FX
30,0	0,0	60,0	10,0	0,0	0,0	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-033/21	Propedeutics of Dental Medicine (3)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 4 / 2 **per level/semester:** 56 / 28
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 3.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-023/21 - Propedeutics of Dental Medicine (2)

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, modellation of a complete cast crown from wax, modellation 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, Ľ., 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.
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, 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.
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

Notes:

Past grade distribution
Total number of evaluated students: 10

A	ABS0	B	C	D	E	FX
70,0	0,0	30,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Dagmar Statelová, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Kristína Pitáková, PhDr. Libuša Kovalská

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-033z/17	Propedeutics of Dental Medicine (4)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 4 / 2 **per level/semester:** 56 / 28
Form of the course: on-site learning

Number of credits: 5

Recommended semester: 4.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-018/21 - Dental materials and technologies (1) and JLF.KSMCh/J-S-ZL-033/21 - Propedeutics of Dental Medicine (3)

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, modellation of a complete cast crown from wax, modellation 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 anaesthesis. 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 Sterilistaion.
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.
Anaesthesis in Dentistry.
Infiltration Anaesthesis, Points for Regional Anaesthesis in Maxilla and Mandible.
Options of Extraoral Anaesthesis.
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, Ľ., 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.: 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, 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.
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: 44

A	ABS0	B	C	D	E	FX
61,36	0,0	22,73	13,64	0,0	2,27	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-042/21	Propedeutics of Dental Medicine (5)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 4 / 2 **per level/semester:** 56 / 28
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 5.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-033z/17 - Propedeutics of Dental Medicine (4) and JLF.KSMCh/J-S-ZL-034/21 - Dental materials and technologies (2)

Course requirements:
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.
Scale of assessment (preliminary/final): 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, modellation of a complete cast crown from wax, modellation 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 occurence, 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 anaesthesis. 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 Anaesthesis in Dentistry Infiltration Anaesthesis, Points for Regional Anaesthesis in Maxilla and Mandible Options of Extraoral Anaesthesis 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, Ľ., 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.: 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, 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. 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 language.

Notes:

Past grade distribution

Total number of evaluated students: 8

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., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Kristína Pitáková, PhDr. Libuša Kovalská

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.PK/J-S-ZL-050/21	Psychiatry

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 7.

Educational level: I.II.

Prerequisites: JLF.PK/J-S-ZL-026/17 - Medical Psychology and Basics of Communication

Course requirements:
Conditions for enrollment in the exam:
- participation in practicals at least 5 times
- participation in lectures at least 4 times
- favourable results during running controls
- successful completion of the test

Methods of continuous control:
- control questions from the curriculum during practicals
- examination of the patient with case analysis
- written test

Evaluation of the results of the ongoing control:
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%
Share of continuous control in the final evaluation of the course: 20%
Method of final evaluation: oral exam event. test

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, intelect 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:

Compulsory literature

x Kolibáš, E. a kol. Všeobecná psychiatria. Bratislava: UK, 2007. 183 s. ISBN 978-80-223-2388-8 x Novotný, V. a kol. Špeciálna psychiatria. Bratislava: UK, 2010. 248 s. ISBN 978-80-223-2624-7 x Pečeňák, J., Kořínková, V. a kol. Psychofarmakológia. Bratislava: Wolters Kluwer, 2016. 672 s. ISBN 987-80-8168-542-2 Hosák, L., Hrdlička, M., Libiger, J. a kol. Psychiatrie a pedopsychiatrie. Praha: Univerzita Karlova Nakladatelství Karolínum 2019. 647 s. ISBN 978-80-246-2998-8, ISBN 978-80—246-3011-3 (pdf) Bleuler, E. Učebnica psychiatrie (Vybrané kapitoly). 15.vyd. Trenčín: Vydavateľstvo F, 1998 (dotlač 2015). 332 s. ISBN 80-967277-6-1 Raboch, J. a kol. Psychiatrie. Praha: Karolinum, 2013 (dotlač) . 466 s. ISBN 978-80-246-1985 Psychiatrie. Praha: Galén, 2001. 622 s. ISBN 80-246-0390-X Langmeier, J. a kol. Psychická deprivace v dětství. Praha: Karolinum, 2011. 399 s. ISBN 978-80-246-1983-5 Kolibáš, E. Príručka klinickej psychiatrie. Nové Zámky: Psychoprof, 2010. 304 s. ISBN 978-80-89322-05-3 Jirák, R. a kol. Demence a jiné poruchy paměti. Praha: Grada 2009. 164 s. ISBN 978-80-247-2454-6 Kafka, J. a kol. Psychiatria. Martin: Osveta, 1998. 255 s. ISBN 80-2170-514-0 Höschl, C. a kol. Psychiatrie. Praha: Tigis, 2004. 883 s. ISBN 80-900130-1-5 Ondrejka, I. Depresia v kontexte kvality života. Rožňava: Roven, 2006. 126 s. ISBN 80-89168-15-9 Dušek, K., Večeřová-Procházková, A. První pomoc v psychiatrii. Praha: Grada, 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

Kolibáš, E., Novotný, V.: Alkohol, drogy, závislosti. Bratislava UK, 2007. 257 s. ISBN 978-80-223-2315-4

Languages necessary to complete the course:

slovak

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: doc. MUDr. Igor Ondrejka, PhD., MUDr. PhDr. Igor Hrtánek, PhD., MUDr. Miloslav Oppa, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚVZ/J-S-ZL-096/20	**Course title:** Public Health for Dental Medicine
Educational activities: **Type of activities:** practicals / lecture **Number of hours:** **per week:** 1 / 2 **per level/semester:** 14 / 28 **Form of the course:** on-site learning	
Number of credits: 2	
Recommended semester: 5., 7.	
Educational level: I.II.	
Prerequisites: JLF.ÚFy/J-S-ZL-019/21 - Physiology for Dental Medicine (2)	
Course requirements: Evaluation a) 100% attendance (2 points for each session) max. 40 points b) Final oral exam (2 topics) max. 60 points Final evaluation (max. 100 points) Achieved points Evaluation/grade 100 – 91 A (excellent - 1) 90 – 81 B (very good – 1.5) 80 – 73 C (good - 2) 72 – 66 D (satisfactory – 2.5) 65 – 60 E (sufficient - 3) 59 and less Fx (fail - 4) Only one excused missing is allowed (in accordance with the Study Rules of the JFM CU), however, points are not counted unless appropriately substituted/compensated (the form assigned by the respective teacher) For successful completion of the course, at least 60 points in final evaluation are needed. In case of insufficient fulfilment of conditions for continuous evaluation stated in the syllabus, the guarantee assigns a term for their substitution during study period. 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 – its history and goals. Public Health in Slovakia – aim, goals, tasks, cooperation. International Public Health. The role of hygiene, epidemiology and social medicine within public health. Public health methodology. Basic demographic indicators. Social determinants of health. Hospital Hygiene. Hygiene-epidemiological regime in dentistry facilities. Epidemiology of infectious and chronic non-communicable diseases. Practical employment of epidemiological methods in dentistry practice. Living and occupational environment – risk factors and their impact on population health. National health promotion program. Preventive programs. Organization, management and financing of healthcare and public health in Slovakia, health insurance companies. State health policy – goals and programs in Slovakia. Education of health workers.

Recommended literature:

Obligatory literature:

Jurkovičová J. a kol. Hygiena. Bratislava: Vydavateľstvo UK, 2020. 482 s. ISBN 978-80-223-4905-5

Šulcová, M., Čižmár, I., Fabiánová E. Verejné zdravotníctvo. Bratislava: Veda, 2013, 651 s., ISBN 978-80-224-1283-4

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

Hudečková, H., Švihrová, V.: Očkovanie. Martin, Osveta, 2013, 221 s. ISBN 978-80-80633-96-7

Recommended literature:

HUDEČKOVÁ, H., ŠVIHROVÁ, V., NOVÁKOVÁ, E., SZILÁGYIOVÁ, M.: Verejnozdravotné aspekty osýpok. Bratislava: A-medi managment, 2018, 84 s., ISBN 978-80-89797-29-5

BAKOSS, P. a kol. Epidemiológia. 4. vydanie. Bratislava: UK, 2013,517 s. ISBN 978-80-223-3499 0

BAZOVSKÁ S., a kol.: Epidemiológia pre študentov zubného lekárstva.UK Bratislava, 2010. vytlačilo Polygrafické stredisko Uk v Bratislave, 136 s., ISBN 978-80-223-2716-9

ŠTEFKOVIČOVÁ M.: Hygienické kompendiuim 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

OZOROVSKÝ V. a kol.: Sociálne lekárstvo. Bratislava: Asklepios, 2011. 166 s. ISBN 978-88-7167-158-9

Legáth, Ľ., Buchancová, J. a kol. Pracovné lekárstvo. Vybrané kapitoly I. Martin: Osveta, 2020, 295 s. ISBN 978-80-8063-493-3

Languages necessary to complete the course:

slovak language

Notes:

slovak, czech

Past grade distribution

Total number of evaluated students: 26

A	ABS0	B	C	D	E	FX
69,23	0,0	30,77	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Henrieta Hudečková, PhD., MPH, prof. MUDr. Tibor Baška, PhD., Mgr. Róbert Čecho, PhD., Mgr. Jana Zibolenová, PhD., Mgr. Eva Malobická, PhD., Mgr. Eliška

Štefanová, PhD., Mgr. Mária Tatarková, PhD., prof. MUDr. Viera Švihrová, CSc., Mgr. Romana Ulbrichtová, PhD.
Last change: 06.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚVZ/J-S-ZL-041/18	Research Preparation

Educational activities:
Type of activities: lecture
Number of hours:
per week: 2 **per level/semester:** 28
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 6.

Educational level: I.II.

Prerequisites:

Course requirements:
Obligatory attendace in lectures (a 1 points. - max. 14 points.) Excused two missed lectures (in accordance with Internal Study Regulations) – points are not included, unless the missed lecture is substituted (way of the substitution upon arrangement with respective teacher). Processing of a model bibliographic search: (max. 43 points.) Each student will demonstrate his/her ability to work with bibliogrpahic databases PubMed or SCOPUS through concise bibliographic search of original published scholar articles dealing with a chosen problem . The search should be submitted until the 7th week of the semester. Critical evaluation of a quality of the retrieved literary resources: (max. 43 ponits.) Each student will evaluate each resource in the bibliographic search considering its quality (reliabity): methods, design, strength of an evidence, weak and strong points. Developed critical evaluation will be submitted until end of the semester . Overall evaluation of the course: Achieved points Evaluation 100 - 91 A (1) 90 - 81 B (1, 5) 80 - 73 C (2) 72 - 66 D (2,5) 65 - 60 E (3) 59 and lessj Fx (4)
Scale of assessment (preliminary/final): 0/100

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 analysing of a scientific information. Development of a research project. Research process and its phases. Kinds of research within health sciences. Publishing and presenting of research results. Ethics of scientific work and presentation of results. Scientometry. Evidence based medicine. Student scientific and expert work at the Jessenius Faculty of Medicine, Comenius University in Martin.

Recommended literature:

obligatory literature:
Entrez PubMed (Medline). Available at: http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=PubMed
SCOPUS. Dostupné na: www.scopus.com
ŠTUDOVŇA GOOGLE. Dostupné na: https://scholar.google.sk/
McDonald, J.: Handbook of Biological Statistics. http://www.biostathandbook.com/
https://moodle.uniba.sk/
recommended literature:
MEŠKO, D. a kol. Medinfo 1. Praktická príručka pre lekárov, zdravotníkov a študentov. Martin: Osveta, 2005, 152 s., ISBN: 80-8063-197-2
MEŠKO, D. a kol. Akademická príručka. 1. vyd. Martin: Osveta, 2004, 316 s.

Languages necessary to complete the course:
slovak, 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. Tibor Baška, PhD.

Last change: 18.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-024/21	Summer practice in Dental Laboratory and in Dental surgery (1)

Educational activities:
Type of activities: practice
Number of hours:
per week: **per level/semester:** 80s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 4.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-033z/17 - Propedeutics of Dental Medicine (4)

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 subjectIndividual 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. The 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 desinfective regime in the practice. Desinfection 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: 2

ABS0	M
100,0	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-045/21	Summer practice in Dental Laboratory and in Dental surgery (2)

Educational activities:
Type of activities: practice
Number of hours:
per week: **per level/semester:** 80s
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 6.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-034/21 - Dental materials and technologies (2) and JLF.KSMCh/J-S-ZL-052/21 - Dentoalveolar and Maxillofacial Surgery (1) and JLF.KSMCh/J-S-ZL-043/21 - Conservative Dentistry, Endodontics (1) and JLF.KSMCh/J-S-ZL-035/21 - Preventive Dental Medicine (1) and JLF.KSMCh/J-S-ZL-042/21 - Propedeutics of Dental Medicine (5)

Course requirements:
Written Evaluation by the Head of the Dpt. where the practicals took place. Consecutive evaluation-test, evaluation of the working diary by the guarant of the subject 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. Consecutive evaluation-test, 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, 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:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 7

ABS0	M
100,0	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-064/21	**Course title:** Summer practice in Dental surgery (3)
Educational activities: **Type of activities:** practice **Number of hours:** **per week:** 10,66 **per level/semester:** 149,24 **Form of the course:** on-site learning	
Number of credits: 3	
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 stook 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 dentitio 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:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 1

ABS0	M
100,0	0,0

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

Last change: 18.08.2021

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-088/21	Summer practice in Dental surgery (4)

Educational activities:
Type of activities: practice
Number of hours:
per week: **per level/semester:** 160s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-082/19 - Conservative Dentistry, Endodontics (5) and JLF.KSMCh/J-S-ZL-081/19 - Dental Protetics (5) and JLF.KSMCh/J-S-ZL-080/22 - Dentoalveolar and Maxillofacial Surgery (4) and JLF.KSMCh/J-S-ZL-084/22 - Orthodontics (2) and JLF.KSMCh/J-S-ZL-083/19 - Parodontology (2)

Course requirements:
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 stook place. Evaluation of the working diary by the guarant of the subject Individual work: performance of all the prescribed practical tasks

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:
slovak/english

Notes:

Past grade distribution
Total number of evaluated students: 4

ABS0	M
100,0	0,0

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

Last change: 06.04.2022

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ChKTC/J-S-ZL-SS1/19	Surgery

Number of credits: 3

Recommended semester: 9., 10..

Educational level: I.II.

Learning outcomes:
Studnet can complete knowledge of surgical diseases, can enhance the practical skills of surgical propedeutics principles, knows the principles of daily care of the surgical patient,
knows the principles of work at the surgical ambulance and operating room. Listed knowledge can applicate to other surgical fields / orthopedics, traumatology, urology, plastic surgery, neurosurgery, pediatric surgery, anaesthesiology and intensive medicine /.

State exam syllabus:

Recommended literature:

Siman, J. a kol..: Princípy chirurgie Bratislava: SAP, 2007,923 s. ISBN 80-8910-494-0
Haruštiak S. a kol.: Princípy chirurgie II. Slovac academic Press 2010, 923 s.
Pechan J. a kol.: Princípy chirurgie III. PRIMA-PRINT s r.o., 2013, 1098s.
Fischer J. et al.: Fischer´s Mastery of Surgery,seventh edition, 2018, Volume 1,2
Ferko A. a kol. : Chirurgie v kostce. Grada Publishing. spol.s.r.o. 2015, 512s.
Páral J.: Chirurgická propedeutika .Základy chirurgie pro studenty lékařských fakult, Praha, Grada 2020
Laca L.: Chirurgia pečene, Osveta 2009, 208s.
Ihnat P.: Základní chirurgické techniky a dovednosti, Praha, Grada 2017
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Maláska J. a kol.: Intenzivní medicína v praxi: Maxdorf, 2021
Schein,M., Rogers, P.N. : Urgentní břišni chirurgie. Praha: Grada,2011, 448s.
Muller M. a spol. : Chirurgie pro studium a praxi. Praha, Publishing, 1997, 441 s
Marko L. a kol.: Chirurgia pažeráka a žalúdka. Banská Bystrica, Marko BB s.r.o.2007.214 s.
Laca, Ľ.: Ochorenia pečene žlčových ciest a pankreasu. Učebné texty z chirurgie pre št. odbor VL Martin: JLF UK, 2009, 120s, ISBN 978-80-970159-4-7.
Smolár Marek: Ochorenia prsníkov, Turany, Tlačiareň P+M 2021, 216s.
Chung CK: Grabb and Smith Plastic Surgery, 8th Edition, 2019. 1108s.
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Hlinková E. a kol.: Multimediálna e-učebnica Ošetrovateľské postupy v špeciálnej chirurgii [online]. Univerzita Komenského Bratislava, Jesseniova lekárska fakulta v Martine, 2015.
Madani A., Ferri L., Seely A.: Pocket Manual of General Thoracic Surgery,ʼSpringer 2015, 274 pages.
Danovitch G.: Handbook of kidney transplantation, 6th edition 2017, 606pp.

Languages necessary to complete the course:
slovak language

Last change: 15.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ChKTC/J-S-ZL-048/18	Surgery (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 1 **per level/semester:** 28 / 14
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 7.

Educational level: I.II.

Prerequisites:

Recommended prerequisites:
Surgical propedeutics 1, Surgical propedeutics 2

Course requirements:
Continuous assessment of students takes the form of a written examination-test, minimum threshold of success: 65 %. Evaluation: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, FX: 64 % and less Final assessment: test, practical and theoretical exam.

Learning outcomes:
The graduate masters the issue of diseases of the vascular system. He is also familiar with the issue of surgical treatment of endocrine disorders and breast diseases. He is familiar with the diagnosis and treatment of acute limb ischemia, diseases of the aorta and its branches, diseases of the lymphatic vessels and thromboembolic disease.

Class syllabus:
Endocrine surgery – diseases if thyroid gland, parathyroid gland and suprarenal gland
Diseases of mammarian glandSurgical diseases of oesophageus and mediastinum.
Surgical diseases of aortic arch and its branches. Steal syndrome, thoracic outlet syndrome. Surgical diseases of abdominal aorta and its branches. Visceral ischemic syndrome.
Acute and chronic limb ischemic syndrome. Surgical aspects of diabetes mellitus.
Surgical diseases ofvenous and lymphatic system. Tromboembolic disease. Anticoagulant and trombolytic treatment.

Recommended literature:
Siman, J. a kol..: Princípy chirurgie Bratislava: SAP, 2007,923 s. ISBN 80-8910-494-0
Haruštiak S. a kol.: Princípy chirurgie II. Slovac academic Press 2010, 923 s.
Pechan J. a kol.: Princípy chirurgie III. PRIMA-PRINT s r.o., 2013, 1098s.
Fischer J. et al.: Fischer´s Mastery of Surgery,seventh edition, 2018, Volume 1,2
Ferko A. a kol. : Chirurgie v kostce. Grada Publishing. spol.s.r.o. 2015, 512s.
Páral J.: Chirurgická propedeutika .Základy chirurgie pro studenty lékařských fakult, Praha, Grada 2020
Laca L.: Chirurgia pečene, Osveta 2009, 208s.

Ihnat P.: Základní chirurgické techniky a dovednosti, Praha, Grada 2017
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Maláska J. a kol.: Intenzivní medicína v praxi: Maxdorf, 2021
Schein,M., Rogers, P.N. : Urgentní břišni chirurgie. Praha: Grada,2011, 448s.
Muller M. a spol. : Chirurgie pro studium a praxi. Praha, Publishing, 1997, 441 s
Marko L. a kol.: Chirurgia pažeráka a žalúdka. Banská Bystrica, Marko BB s.r.o.2007.214 s.
Laca, Ľ.: Ochorenia pečene žlčových ciest a pankreasu. Učebné texty z chirurgie pre št. odbor VL Martin: JLF UK, 2009, 120s, ISBN 978-80-970159-4-7.
Smolár Marek: Ochorenia prsníkov, Turany, Tlačiareň P+M 2021, 216s.
Chung CK: Grabb and Smith Plastic Surgery, 8th Edition, 2019. 1108s.
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Hlinková E. a kol.: Multimediálna e-učebnica Ošetrovateľské postupy v špeciálnej chirurgii [online]. Univerzita Komenského Bratislava, Jesseniova lekárska fakulta v Martine, 2015.
Madani A., Ferri L., Seely A.: Pocket Manual of General Thoracic Surgery,ʼSpringer 2015, 274 pages.
Danovitch G.: Handbook of kidney transplantation, 6th edition 2017, 606pp.

Languages necessary to complete the course:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 35

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

Lecturers: MUDr. Ján Janík, PhD., doc. MUDr. Marek Smolár, PhD., MPH, doc. MUDr. Anton Dzian, PhD., MUDr. Marek Malík, PhD., MUDr. Martin Pribula

Last change: 15.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ChKTC/J-S-ZL-056/18	Surgery (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 1 **per level/semester:** 28 / 14
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:
Continuous assessment of students takes the form of a written examination-test, minimum threshold of success: 65 %. Evaluation: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, FX: 64 % and less Final assessment: test, practical and theoretical exam.

Learning outcomes:
The graduate has a good knowledge about diagnostic and terapeutic possibilities for acute abdominal events. He is familiar with surgical diseases of the stomach, liver, gallbladder, bile ducts, pancreas, small and large intestine. He masters their diagnostics and indications and principles of surgical treatment. He knows the principles of diagnosis and treatment of internal and external hernias.

Class syllabus:
Hernia
Acute abdomen
Surgical diseases of stomach and duodenum
Surgical diseases of small intestine, large intestine and rectum
Surgical diseases of pancreas
Surgical diseases ofliver and gall bladder
Inborn defects of gastrointestinal tract and their surgical treatment.

Recommended literature:
Siman, J. a kol..: Princípy chirurgie Bratislava: SAP, 2007,923 s. ISBN 80-8910-494-0
Haruštiak S. a kol.: Princípy chirurgie II. Slovac academic Press 2010, 923 s.
Pechan J. a kol.: Princípy chirurgie III. PRIMA-PRINT s r.o., 2013, 1098s.
Fischer J. et al.: Fischer´s Mastery of Surgery,seventh edition, 2018, Volume 1,2
Ferko A. a kol. : Chirurgie v kostce. Grada Publishing. spol.s.r.o. 2015, 512s.
Páral J.: Chirurgická propedeutika .Základy chirurgie pro studenty lékařských fakult, Praha, Grada 2020

Laca L.: Chirurgia pečene, Osveta 2009, 208s.
Ihnat P.: Základní chirurgické techniky a dovednosti, Praha, Grada 2017
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Maláska J. a kol.: Intenzivní medicína v praxi: Maxdorf, 2021
Schein,M., Rogers, P.N. : Urgentní břišni chirurgie. Praha: Grada,2011, 448s.
Muller M. a spol. : Chirurgie pro studium a praxi. Praha, Publishing, 1997, 441 s
Marko L. a kol.: Chirurgia pažeráka a žalúdka. Banská Bystrica, Marko BB s.r.o.2007.214 s.
Laca, Ľ.: Ochorenia pečene žlčových ciest a pankreasu. Učebné texty z chirurgie pre št. odbor VL Martin: JLF UK, 2009, 120s, ISBN 978-80-970159-4-7.
Smolár Marek: Ochorenia prsníkov, Turany, Tlačiareň P+M 2021, 216s.
Chung CK: Grabb and Smith Plastic Surgery, 8th Edition, 2019. 1108s.
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Hlinková E. a kol.: Multimediálna e-učebnica Ošetrovateľské postupy v špeciálnej chirurgii [online]. Univerzita Komenského Bratislava, Jesseniova lekárska fakulta v Martine, 2015.
Madani A., Ferri L., Seely A.: Pocket Manual of General Thoracic Surgery,ʃ Springer 2015, 274 pages.
Danovitch G.: Handbook of kidney transplantation, 6th edition 2017, 606pp.

Languages necessary to complete the course:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 35

A	ABS0	B	C	D	E	FX
65,71	0,0	20,0	14,29	0,0	0,0	0,0

Lecturers: MUDr. Marek Adámik, PhD., MUDr. Ivana Daňová, PhD., MUDr. Ján Janík, PhD., MUDr. Anton Mikolajčík, PhD., MUDr. Miroslav Pindura, MUDr. Marián Molnár, PhD., MBA

Last change: 15.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ChKTC/J-S-ZL-066/19	Surgery (3)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 2 / 2 **per level/semester:** 28 / 28
Form of the course: on-site learning

Number of credits: 3

Recommended semester: 9.

Educational level: I.II.

Prerequisites: JLF.ChKTC/J-S-ZL-048/22 - Surgery (1) and JLF.ChKTC/J-S-ZL-056/22 - Surgery (2)

Course requirements:
Continuous assessment of students takes the form of a written examination-test, minimum threshold of success: 65 %. Evaluation: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, FX: 64 % and less Final assessment: test, practical and theoretical exam.

Learning outcomes:
The graduate knows the basic algorithm of diagnostic and treatment procedure in patients with chest, abdomen and polytrauma. The graduate has a good knowledge of basic knowledge in the fields of neurosurgery, orthopedics and plastic surgery.

Class syllabus:
Polytrauma
Chest trauma
Abdominal trauma
Orthopedis and traumatology
Neurosurgery
Plastic surgery

Recommended literature:
Siman, J. a kol..: Princípy chirurgie Bratislava: SAP, 2007,923 s. ISBN 80-8910-494-0
Haruštiak S. a kol.: Princípy chirurgie II. Slovac academic Press 2010, 923 s.
Pechan J. a kol.: Princípy chirurgie III. PRIMA-PRINT s r.o., 2013, 1098s.
Fischer J. et al.: Fischer´s Mastery of Surgery,seventh edition, 2018, Volume 1,2
Ferko A. a kol. : Chirurgie v kostce. Grada Publishing. spol.s.r.o. 2015, 512s.
Páral J.: Chirurgická propedeutika .Základy chirurgie pro studenty lékařských fakult, Praha, Grada 2020
Laca L.: Chirurgia pečene, Osveta 2009, 208s.
Ihnat P.: Základní chirurgické techniky a dovednosti, Praha, Grada 2017
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Maláska J. a kol.: Intenzivní medicína v praxi: Maxdorf, 2021

Schein,M., Rogers, P.N. : Urgentní břišni chirurgie. Praha: Grada,2011, 448s.
Muller M. a spol. : Chirurgie pro studium a praxi. Praha, Publishing, 1997, 441 s
Marko L. a kol.: Chirurgia pažeráka a žalúdka. Banská Bystrica, Marko BB s.r.o.2007.214 s.
Laca, Ľ.: Ochorenia pečene žlčových ciest a pankreasu. Učebné texty z chirurgie pre št. odbor VL Martin: JLF UK, 2009, 120s, ISBN 978-80-970159-4-7.
Smolár Marek: Ochorenia prsníkov, Turany, Tlačiareň P+M 2021, 216s.
Chung CK: Grabb and Smith Plastic Surgery, 8th Edition, 2019. 1108s.
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Hlinková E. a kol.: Multimediálna e-učebnica Ošetrovateľské postupy v špeciálnej chirurgii [online]. Univerzita Komenského Bratislava, Jesseniova lekárska fakulta v Martine, 2015.
Madani A., Ferri L., Seely A.: Pocket Manual of General Thoracic Surgery, Springer 2015, 274 pages.
Danovitch G.: Handbook of kidney transplantation, 6th edition 2017, 606pp.

Languages necessary to complete the course:
slovak language

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:

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ChKTC/J-S-ZL-078/19	Surgery (4)

Educational activities:
Type of activities: practicals
Number of hours:
per week: **per level/semester:** 60s
Form of the course: on-site learning

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.ChKTC/J-S-ZL-066/19 - Surgery (3)

Course requirements:
Continuous assessment of students takes the form of a written examination-test, minimum threshold of success: 65 %. Evaluation: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, FX: 64 % and less Final assessment: test, practical and theoretical exam.

Learning outcomes:
The graduate has a good knowledge of basic surgical diseases, knows the principles of daily care of the surgical patient, as well as the principles of work in surgical outpatient clinics and operating rooms. The mentioned knowledge can also be applied in other surgical fields / orthopedics, traumatology, plastic surgery, pediatric surgery, urology, neurosurgery, anesthesiology and intensive care medicine /.

Class syllabus:
Polytrauma
Chest trauma
Abdominal trauma
Orthopedis and traumatology
Neurosurgery
Plastic surgery

Recommended literature:
Siman, J. a kol..: Princípy chirurgie Bratislava: SAP, 2007,923 s. ISBN 80-8910-494-0
Haruštiak S. a kol.: Princípy chirurgie II. Slovac academic Press 2010, 923 s.
Pechan J. a kol.: Princípy chirurgie III. PRIMA-PRINT s r.o., 2013, 1098s.
Fischer J. et al.: Fischer´s Mastery of Surgery,seventh edition, 2018, Volume 1,2
Ferko A. a kol. : Chirurgie v kostce. Grada Publishing. spol.s.r.o. 2015, 512s.
Páral J.: Chirurgická propedeutika .Základy chirurgie pro studenty lékařských fakult, Praha, Grada 2020
Laca L.: Chirurgia pečene, Osveta 2009, 208s.
Ihnat P.: Základní chirurgické techniky a dovednosti, Praha, Grada 2017
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019

Maláska J. a kol.: Intenzivní medicína v praxi: Maxdorf, 2021
Schein,M., Rogers, P.N. : Urgentní břišni chirurgie. Praha: Grada,2011, 448s.
Muller M. a spol. : Chirurgie pro studium a praxi. Praha, Publishing, 1997, 441 s
Marko L. a kol.: Chirurgia pažeráka a žalúdka. Banská Bystrica, Marko BB s.r.o.2007.214 s.
Laca, Ľ.: Ochorenia pečene žlčových ciest a pankreasu. Učebné texty z chirurgie pre št. odbor VL Martin: JLF UK, 2009, 120s, ISBN 978-80-970159-4-7.
Smolár Marek: Ochorenia prsníkov, Turany, Tlačiareň P+M 2021, 216s.
Chung CK: Grabb and Smith Plastic Surgery, 8th Edition, 2019. 1108s.
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Hlinková E. a kol.: Multimediálna e-učebnica Ošetrovateľské postupy v špeciálnej chirurgii [online]. Univerzita Komenského Bratislava, Jesseniova lekárska fakulta v Martine, 2015.
Madani A., Ferri L., Seely A.: Pocket Manual of General Thoracic Surgery,ʼSpringer 2015, 274 pages.
Danovitch G.: Handbook of kidney transplantation, 6th edition 2017, 606pp.

Languages necessary to complete the course:
slovak language

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:

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ChKTC/J-S-ZL-027/17	Surgical Propedeutics (1)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 5.

Educational level: I.II.

Prerequisites: JLF.ÚA/J-S-ZL-009/17 - Anatomy for Dental Medicine (2)

Course requirements:
Continuous assessment of students takes the form of a written examination-test, minimum threshold of success: 65 %. Evaluation: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, FX: 64 % and less Final assessment: test, practical and theoretical exam.

Learning outcomes:
The graduate is familiar with the content in the field of surgery, from historical aspects to the present. He knows the principles of nutritional support and has knowledge about hemostasis disorders and the possibilities of their correction. The graduate is able to determine the operational risk and specify the principles of preoperative, perioperative and postoperative care. He has good knowledge about diagnosis and treatment of shock and life-threatening conditions in surgery. He knows basic principles of diagnosis and treatment of surgical infections. He has a good knowledge of mini-invasive surgery.

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.
Anamnesis and physical examination of surgical patient. Invasive and non invasive diagnostic methods. Operation risk. Principles of pre operative managment. Nutritional disorders in surgical patients. Enteral and parenteral nutrition. Complications of parenteral nutrition.
Shock - definition, classification, and pathophysiology of shock. Monitoring. Prevention and treatment of shock.
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.).
Hemostatic mechanism and its failure in surgical patients. Antiplatelet, anticoagulant and fibrinolytic therapy. Blood transfusion, blood derivates, alternative solutions. Indications, risks and complications of blood transfusions and blood products.

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.

Recommended literature:

Siman, J. a kol..: Princípy chirurgie Bratislava: SAP, 2007,923 s. ISBN 80-8910-494-0
Haruštiak S. a kol.: Princípy chirurgie II. Slovac academic Press 2010, 923 s.
Pechan J. a kol.: Princípy chirurgie III. PRIMA-PRINT s r.o., 2013, 1098s.
Ferko A. a kol. : Chirurgie v kostce. Grada Publishing. spol.s.r.o. 2015, 512s.
Páral J.: Chirurgická propedeutika. Základy chirurgie pro studenty lékařských fakult, Praha, Grada 2020
Ihnat P.: Základní chirurgické techniky a dovednosti, Praha, Grada 2017
Krška Z a kol.: Techniky a technologie v chirurgických oborech: Grada 2011
Heitz JW.: Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Dedinská I, Miklušica J.: Základy pre odber orgánov a transplantáciu obličky: P+M Turany, 2015, 136s.
Maláska J. a kol.: Intenzivní medicína v praxi: Maxdorf, 2021
Schein,M., Rogers, P.N. : Urgentní břišni chirurgie. Praha: Grada,2011, 448s.
Štvrtinová V. a kol.: Choroby ciev. Bratislava, SAP 2008, 896 s.
Muller M. a spol. : Chirurgie pro studium a praxi. Praha, Publishing, 1997, 441 s.
Hlinková E. a kol.: Multimediálna e-učebnica Ošetrovateľské postupy v špeciálnej chirurgii [online]. Univerzita Komenského Bratislava, Jesseniova lekárska fakulta v Martine, 2015.
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Monaghan T.: Klinické vyšetření moderní propedeutika (rady-tipy-návody pro praxi): Grada, 2018, 768s.

Languages necessary to complete the course:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 43

A	ABS0	B	C	D	E	FX
86,05	0,0	4,65	9,3	0,0	0,0	0,0

Lecturers: MUDr. Ivana Daňová, PhD., MUDr. Ján Janík, PhD., MUDr. Anton Mikolajčík, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ChKTC/J-S-ZL-040/21	Surgical Propedeutics (2)

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 1

Recommended semester: 6.

Educational level: I.II.

Prerequisites: JLF.ÚFy/J-S-ZL-019/21 - Physiology for Dental Medicine (2) and JLF.ÚLBch/J-S-ZL-020/21 - Medical Biochemistry for Dental Medicine (2)

Course requirements:
Continuous assessment of students takes the form of a written examination-test, minimum threshold of success: 65 %. Evaluation: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, FX: 64 % and less Final assessment: test, practical and theoretical exam.

Learning outcomes:
The graduate of the course understands the principles of diagnosis and treatment of injuries of the locomotor system, burns and frostbite. He knows the peculiarities of childhood traumatology. He has a good knowledge of organ procrument and transplantation. He is acquainted with the principles of diagnosis and surgical treatment of malignant diseases. He also has a basic understanding of ethical issues in surgery. He also masters the basics of KPCR and the possibilities of general and local anesthesia.

Class syllabus:
Pyogenic infections of wounds , lymphangoitis, lymphadenitis, hidrosadenitis, cellulitis, abscessosteomyelitis, anaerobic infection, gas phlegmon, folliculitis, furuncle, carbuncle, cheilitis. Post-operative infections. Inflammatory diseases of the fingers and hand.
Benign and malignant tumors, precancerosis. Growth and spread of malignant tumors, diagnosis, treatment, primary and secondary prevention of tumors. Basics of the oncological surgery. Classification of tumors.
General anesthesia. Local anesthesia. Life-threatening conditions in surgery. Unconsciousness, polytrauma, massive bleeding, acute respiratory insufficiency. Principles of diagnostic and treatment
procedure.
Soft tissue injury - mechanisms of injury, wound division, wound healing, healing of individual tissue
structures. Principles of wound care. Factors influencing wound healing. Sewing material, sutures.
Bone fractures - general. Characteristics of division, principles of diagnostics, characteristics of fracture treatment. Fracture healing, types and their characteristics. Complications of fracture healing

in conservative treatment. Complications of fracture healing in surgical treatment.
Burns - mechanism of damage to the body by high temperature, classification of burns, first aid. Patient resuscitation and treatment of burn shock. Local treatment of burns. Inhalation damage in case
of burns. Surgical complications, local, acute systemic. Hypothermia and frostbite. Bites and stings. Drowning. Electric shock. Crush and blast syndrome
Transplantation and donor program, immunological aspects.
Ethical problems in surgery, legal aspects in surgery, surgical assessment activities

Recommended literature:

Siman, J. a kol..: Princípy chirurgie Bratislava: SAP, 2007,923 s. ISBN 80-8910-494-0
Haruštiak S. a kol.: Princípy chirurgie II. Slovac academic Press 2010, 923 s.
Pechan J. a kol.: Princípy chirurgie III. PRIMA-PRINT s r.o., 2013, 1098s.
Ferko A. a kol. : Chirurgie v kostce. Grada Publishing. spol.s.r.o. 2015, 512s.
Páral J.: Chirurgická propedeutika. Základy chirurgie pro studenty lékařských fakult, Praha, Grada 2020
Ihnat P.: Základní chirurgické techniky a dovednosti, Praha, Grada 2017
Krška Z a kol.: Techniky a technologie v chirurgických oborech: Grada 2011
Heitz JW.: Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Dedinská I, Miklušica J.: Základy pre odber orgánov a transplantáciu obličky: P+M Turany, 2015, 136s.
Maláska J. a kol.: Intenzivní medicína v praxi: Maxdorf, 2021
Schein,M., Rogers, P.N. : Urgentní břišni chirurgie. Praha: Grada,2011, 448s.
Štvrtinová V. a kol.: Choroby ciev. Bratislava, SAP 2008, 896 s.
Muller M. a spol. : Chirurgie pro studium a praxi. Praha, Publishing, 1997, 441 s.
Hlinková E. a kol.: Multimediálna e-učebnica Ošetrovateľské postupy v špeciálnej chirurgii [online]. Univerzita Komenského Bratislava, Jesseniova lekárska fakulta v Martine, 2015.
Heitz JW.:Pooperační stavy (příznaky, diagnostika, postupy): Grada, 2019
Monaghan T.: Klinické vyšetření moderní propedeutika (rady-tipy-návody pro praxi): Grada, 2018, 768s.

Languages necessary to complete the course:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 8

A	ABS0	B	C	D	E	FX
87,5	0,0	12,5	0,0	0,0	0,0	0,0

Lecturers: MUDr. Ivana Daňová, PhD., MUDr. Michal Hošala, PhD., MUDr. Janka Hošalová Matisová, doc. MUDr. Marek Smolár, PhD., MPH, MUDr. Anton Mikolajčík, PhD.

Last change: 06.04.2022

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KSMCh/J-S-ZL-SS5/21	**Course title:** Therapeutic Dental Medicine
Number of credits: 6	
Recommended semester: 11., 12..	
Educational level: I.II.	

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%.
Practical State Examination is carried out in the form of exercises in the treatment of patients at the time of block education in the 6th year of the subject of conservative dental medicine, pediatric dental medicine, periodontology and then PowerPoint presentation of individual clinical cases.
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 periodontitises 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 gains 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.
Manifastation 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:

Konzervačné zubné lekárstvo, endodoncia:
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.: Ošetrenie 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.
Detské zubné lekárstvo:
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.
Ivančáková, M. R., Merglová, V.: Detské zubní lékařství, 2014, ISBN 978-80-260-6752-8.
Tsukiboshi, M.: Plán ošetření při poranění zubů: klinické postupy. Praha: Quintessenz, 2001. 119 s. ISBN 80-902118-7-9.
Parodontológia:
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 Zűrrich, 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 Zűrrich, 2006. 308 s. ISBN 80-969419-3-3.
Siebert, T.: Parodontológia I., Univerzita Komenského Bratislava, 2020, 9788081870774.
Siebert, T.: Parodontológia II., Univerzita Komenského Bratislava, 2021, 9788081870989.

Languages necessary to complete the course:
slovak/english

Last change: 06.04.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚA/J-S-ZL-012/16	Topographic anatomy of oral and maxillofacial area

Educational activities:
Type of activities: practicals / lecture
Number of hours:
per week: 1 / 1 **per level/semester:** 14 / 14
Form of the course: on-site learning

Number of credits: 4

Recommended semester: 3.

Educational level: I.II.

Prerequisites: JLF.ÚA/J-S-ZL-009/17 - Anatomy for Dental Medicine (2)

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 suprficial and 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, Reném Klinická anatomie zubů a čelistí. 1. Vyd. Praha: vydavateľstvo 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: 53

A	ABS0	B	C	D	E	FX
62,26	0,0	22,64	9,43	5,66	0,0	0,0

Lecturers: doc. MUDr. Yvetta Mellová, CSc., doc. MUDr. Desanka Výbohová, PhD.

Last change: 13.05.2022

Approved by: