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COURSE DESCRIPTION

Academic year: 2025/2026

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:
By completing the course Anesthesiology and Intensive Care Medicine students will gain the following knowledge:
Recognition and treatment of the suddenly deteriorated patient, cardiopulmonary resuscitation of adults and children using AED, recognition and treatment of allergic and anaphylactic reactions, recognition and treatment of toxicity of local anaesthetics, differential diagnosis of the patient with chest pain, dyspnoea, recognition of different forms of shock, treatment of acute pain.
History of anaesthesia, importance and position of anaesthesia in surgical and diagnostic disciplines. Types of anaesthesia, routes of administration of general, regional and local anaesthesia. Introduction to anaesthesia,
management of general anaesthesia and waking the patient in the operating theatre. Adverse effects of anaesthetics,
disturbances of consciousness after anaesthesia,
Students' participation in practical exercises on the bedside of KAIM follows the teaching of resuscitation. Patient care in the intensive care unit, management of diagnosis, treatment and monitoring protocols will enable students to gain a comprehensive view of the patient with failing organs. They will learn the basics of artificial pulmonary ventilation, central cannulation venous drainage, the basics of nutrition, as well as the overall care and management of the failing patient consciousness

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:
Odporúčaná literatúra:
Firment et al., Anestéziológia a intenzívna medicína pre študentov lekárskej fakulty, Univerzita Pavla Jozefa Šafárika v Košiciach, lekárska fakulta, 2. doplnené vydanie, Košice 2020, ISBN: 978-80-8152-843-9
SRR odporúčania pre KPR dostupné na webe:
https://www.srr.sk/wp-content/uploads/2021/10/Zhrnutie-odporu%CC%81c%CC%8Cani%CC%81-ERC-2021.pdf

Languages necessary to complete the course:
english

Notes:

Past grade distribution
Total number of evaluated students: 56

A	ABS0	B	C	D	E	FX
96,43	0,0	1,79	1,79	0,0	0,0	0,0

Lecturers: prof. MUDr. Beata Drobná Sániová, PhD.

Last change: 08.09.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-093/24	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

Type, volume, methods and workload of the student - additional information
Block of 6 weeks (150 h)

Number of credits: 6

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.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin.
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

Notes:

Past grade distribution
Total number of evaluated students: 10

A	ABS0	B	C	D	E	FX
20,0	0,0	50,0	20,0	10,0	0,0	0,0

Lecturers: doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MUDr. Mária Hnátová, MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková, MUDr. Igor Malachovský, PhD., prof. MUDr. Jarmila Procházková, CSc., MDDr. Michaela Smatanová, PhD., MDDr. Diana Červeňová

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/1
Method: Face-to-face

Number of credits: 3

Recommended semester: 6.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-042/24 - Propedeutics of Dental Medicine (5) and JLF.KSMCh/J-S-ZL-034/24 - Digital Technologies and Materials in Dentistry (2) and JLF.KSMCh/J-S-ZL-035/21 - Preventive Dental Medicine (1)

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).
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester. Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine, Comeniu University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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: 40

A	ABS0	B	C	D	E	FX
92,5	7,5	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková, MDDr. Michaela Smatanová, PhD.

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-053/22	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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/1
Method: Face-to-face

Number of credits: 3

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-035/21 - Preventive Dental Medicine (1) and JLF.KSMCh/J-S-ZL-042/24 - Propedeutics of Dental Medicine (5) and JLF.KSMCh/J-S-ZL-043/21 - Conservative Dentistry, Endodontics (1)

Course requirements:
Attendance 100 %. Consecutive Evaluation-test: minimum to pass: 65% Rate in final evaluation: 80 %. Practical Exam (individual work) Rate in final evaluation: 20%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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:
Students make themselves familiar with complex information on diseases of the hard dental tissues and the pulp. They practise preparation of the hard dental tissues with rotation instruments in the patient’s oral cavity. Students learn all about instrumentation used in the root canal. Understanding

of complications resulting from an inadequate treatment. Students understand the principles af indication of various filling materials. They acquire complex scope within diagnostics and treatment of the diseases of pulpo-periodontal complex. Allknowledge to beused in workwithcasualties in thedentalsuite.

Class syllabus:
Dental Fillings and Instrumentation for their Application. Light-hardened fillings, Adhesive Fillings. GlasIonomer Cements – properties, composition, mechanism of adhesion, usage indications. Inlay- indirect technique. Noncarious Defects of the Hard Dental Tissues- Abrasion, Attrition, Erosion. Dentin Hypersensitivity- Diagnostics, Ways of Treatment. Practical Treatment of Various Caries Types (classified according to Black), Usage of Different Materials. Treatment of the Teeth Affected by Dentin Hypersensitivity. Practicals: performance of all diagnostic and therapeutic tasks within the field of treatment of the defects of hard dental tissues, caries, diseased conditions of pulp and periodontitis. Etiology, Pathology, Clinical Picture and Therapy of Inflammation in Periodontium. Treatment of an Infected Root Canal. Pulpo-periodontal Complex – Symptomatology, Differential Diagnosis and Therapy. Surgical Performance Additional to Conservative Treatment. Dental Focal Infection.

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

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 29

A	ABS0	B	C	D	E	FX
93,1	0,0	3,45	3,45	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková, MDDr. Estera Višňáková

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

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.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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: 63

A	ABS0	B	C	D	E	FX
79,37	0,0	6,35	9,52	0,0	4,76	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Adriána Petrášová, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

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.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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: 56

A	ABS0	B	C	D	E	FX
76,79	0,0	17,86	3,57	1,79	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Adriána Petrášová, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková, MDDr. Michaela Smatanová, PhD.

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

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.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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 language

Notes:

Past grade distribution
Total number of evaluated students: 56

A	ABS0	B	C	D	E	FX
85,71	0,0	7,14	3,57	3,57	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková, MDDr. Michaela Smatanová, PhD., MDDr. Diana Červeňová, MDDr. Ema Škvrndová

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Exercise
Range (in hours) - weekly: 1
Method: Face-to-face

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

Notes:

Past grade distribution
Total number of evaluated students: 56

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, PhDr. Mária Zibolenová, doc. MUDr. Tomáš Siebert, PhD., MDDr. Bruno Čalkovský, prof. MUDr. Jarmila Procházková, CSc.

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

Number of credits: 3

Recommended semester: 6.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-034/24 - Digital Technologies and Materials in Dentistry (2) and JLF.KSMCh/J-S-ZL-042/24 - Propedeutics of Dental Medicine (5) and JLF.KSMCh/J-S-ZL-035/21 - Preventive Dental Medicine (1)

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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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: 40

A	ABS0	B	C	D	E	FX
92,5	7,5	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Filip Planeta, MDDr. Martin Bačinský, MDDr. Maroš Kúdelčík, doc. MUDr. Dagmar Statelová, CSc.

Last change: 13.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-054/22	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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

Number of credits: 3

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-042/24 - 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)

Recommended prerequisites:
Materials and Technologies in Dentistry I; Propedeutics of Dentistry I, II, III, IV; Preventive Dentistry I; Conservative Dentistry, Endodontics I; Dental Prosthodontics I

Course requirements:
Attendance 100%. Consecutive Evaluation - test: minimum to pass: 65% 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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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 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: 29

A	ABS0	B	C	D	E	FX
75,86	0,0	13,79	3,45	3,45	0,0	3,45

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Filip Planeta, MDDr. Martin Bačinský, MDDr. Maroš Kúdelčík

Last change: 14.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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: 63

A	ABS0	B	C	D	E	FX
80,95	0,0	14,29	4,76	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Filip Planeta, MDDr. Martin Bačinský, MDDr. Maroš Kúdelčík

Last change: 13.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
Scale of assessment (preliminary/final): Final Evaluation by theoretical oral exam and practical exam.Rate of the theoretical oral exam in final evaluation: 80%.Consecutive Evaluation- test: minimum to pass: 65%.Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less.Individual work: practical tasks- partial and complete removable dental replacements (dentures) - tasks accomplished in the patient’s oral cavity.Rate in the final evaluation: 20%.

Learning outcomes:
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: 56

A	ABS0	B	C	D	E	FX
66,07	0,0	16,07	14,29	0,0	3,57	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Martin Bačinský, MDDr. Filip Planeta, doc. MUDr. Dagmar Statelová, CSc., MDDr. Maroš Kúdelčík

Last change: 13.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

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.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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: 57

A	ABS0	B	C	D	E	FX
80,7	0,0	17,54	0,0	0,0	0,0	1,75

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Martin Bačinský, MDDr. Filip Planeta, MDDr. Maroš Kúdelčík

Last change: 13.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-094/24	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

Type, volume, methods and workload of the student - additional information
Block of 5 weeks (150 h), continuous assessment

Number of credits: 6

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
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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

Notes:

Past grade distribution
Total number of evaluated students: 10

A	ABS0	B	C	D	E	FX
60,0	0,0	40,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Filip Planeta, MDDr. Martin Bačinský, doc. MUDr. Dagmar Statelová, CSc., MDDr. Michaela Smatanová, PhD., MDDr. Maroš Kúdelčík, MUDr. Mária Hnátová

Last change: 13.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/1
Method Face-to-face

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-034/24 - Digital Technologies and Materials in Dentistry (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: 41

A	ABS0	B	C	D	E	FX
80,49	0,0	17,07	0,0	0,0	2,44	0,0

Lecturers: doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Igor Malachovský, PhD.

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
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 condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine, Comeniu University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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 language

Last change: 14.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise, Range (in hours) - weekly: 1/4 es Method: Face-to-face

Number of credits: 4

Recommended semester: 6.

Educational level: I.II.

Prerequisites:

Course requirements:
Attendance 100%.
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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine, Comeniu University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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: 43

A	ABS0	B	C	D	E	FX
86,05	13,95	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Mária Janíčková, PhD., MPH, doc. MUDr. Dagmar Statelová, CSc., MUDr. Juraj Strecha, PhD., MUDr. Igor Malachovský, PhD., MDDr. Sarah Kalmanová, MDDr. Mária Michálková, MDDr. Daniel Hvizdoš, MDDr. Miroslav Jozefík, MDDr. Rastislav Juríček, MDDr. Katarína Sudzinová, MDDr. Filip Matia, MDDr. Denis Hrivnák

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-061/22	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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise, Range (in hours) - weekly: 1/4 es Method: Face-to-face

Number of credits: 3

Recommended semester: 7.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-052/21 - Dentoalveolar and Maxillofacial Surgery (1)

Course requirements:
100% attendance in classes. (1 absence allowed with a medical certificate – to be submitted to the department secretariat (KSaMCH JLFUK a UNM)
Consecutive evaluation- test: minimum to pass: 65% Rate in the final evaluation: 80% Individual work Rate in final evaluation: 20%
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester. Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine, Comeniu University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
Scale of assessment (preliminary/final): Consecutive evaluation- test: minimum to pass: 65% Evaluation: : A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in the final evaluation: 80% Individual work: Realisation of the prescribed practical performace in the patient’s oral cavity within the dentoalveolar surgery. Rate in final evaluation: 20%

Learning outcomes:
Students gain complete information about inflammation processes in oromaxillofacial region. They familiarise with etiological factors and possibilities of diagnostics and treatment.They can analyze risk probability resulting from possible complications. Students manage the difficulties of differential diagnostics of inflammatory process in oromaxillofacial region. Students acquire skills in treatment of ostitides and periostitides of odontogenous origin. Students gain complex knowledge of symptomatology, differential diagnostics and therapy of TMJ, lymphatic glands and salivary glands. They also understand the principles of diagnostics and surgical treatment of cysts in oromaxillofacial region. Students are capable of management of a patient with perimaxillary inflammation of odontogenous origin. The theoretical knowledge to be used in work with patients in dental practice.

Class syllabus:

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

Recommended literature:

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. Skriptá. ISBN 80-223-1260-6. Satko, I., Stanko, P., Švidráň. J.: Orálna a maxilofaciálna chirurgia. 3. vyd. Bratislava: Univerzita Komenského, 2013. 308 s. ISBN 978-80-223-3366-5. Stárek, I., Černý, L., Simpson, R. W. H. a kol.: Choroby slinných žláz. Praha: Grada, 2000. 266 s. ISBN 80-7169-966-7. Šimunek, A. a kol.: Dentální implantologie. Hradec Králové: Nucleus, 2001. 192 s. Toman, J., Halmoš, J.: Stomatologická chirurgia. Praha: Avicenum, 1984. 348 s. Wotke, J.: Patologie orofaciální oblasti. Praha: Avicenum Grada publishing, 2001. 335 s. ISBN 80-7169-975-6.

Languages necessary to complete the course:

slovak language

Notes:

Past grade distribution

Total number of evaluated students: 29

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

Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Juraj Strecha, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Igor Malachovský, PhD., MDDr. Sarah Kalmanová, MDDr. Mária Michálková, MDDr. Daniel Hvizdoš, MDDr. Miroslav Jozefík, MDDr. Rastislav Juríček, MDDr. Katarína Sudzinová, MDDr. Filip Matia, MDDr. Denis Hrivnák

Last change: 08.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-071/22	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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise, Range (in hours) - weekly: 1/3 es Method: Face-to-face

Number of credits: 3

Recommended semester: 8.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-061/22 - Dentoalveolar and Maxillofacial Surgery (2)

Course requirements:
100% attendance in classes. (1 absence allowed with a medical certificate – to be submitted to the department secretariat (KSaMCH JLFUK a UNM)
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 within the limits of the dentoalveolar surgery. Share in the overall assessment 20%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine, Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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 on the issues of pre-prosthetic surgical preparation and pre-prosthetic surgical procedures on hard and soft tissues in the oral cavity. The student gains 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.

The student will be able to analyse, diagnose and establish a treatment plan for injuries to the hard dental tissues and the hinge apparatus of the teeth. Familiarise with the classification, diagnosis and methods of surgical treatment of soft and hard tissue cysts in the oro-maxillofacial region. Understand the issues of mucogingival surgery.
He/she will be able to apply the acquired theoretical knowledge when working with patients in the dental outpatient clinic, operating theatres and in the bedside department of the KSaMCH.

Class syllabus:
Preprosthetic surgical treatment, indications, contraindications.
Preprosthetic surgical procedures on hard and soft tissues.
Absolute and relative elevation of the alveolar processes of the mandible and the maxilla.
Dentoalveolar surgical procedures complementing maxillo-orthopaedic 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.

Recommended literature:
Pazdera, J.: Základy ústní a čelistní chirurgie. 4 vyd. Olomouc: Univerzita Palackého, 2016, 336 s., ISBN 978-80-244-4915-9.
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.
Wotke, J.: Patologie orofaciální oblasti. Praha: Avicenum Grada publishing, 2001, 335 s., ISBN 80-7169-975-6.
Lemeš, L. a kol.: Topografická anatomie pro stomatology. Praha: Avicenum, 1984, 246 s.
Šimunek, A. a kol.: Dentální implantologie. Hradec Králové: Nucleus, 2001, 192 s.
Haisová, L., Antalovská, Z.: Anestézie vestomatologii. Praha: Avicenum, 1987, 180 s.
Hrušák, D.: Stomatochirurgie, Currentmedia, 2017, 343 s., ISBN 9788088129257.
Bartáková, V., Nátek, Š., Kopecká, D., Černý, D., Bavor: Vybrané kapitoly z dentoalveolární chirurgie. Praha, Karolinum, 2003, 200s., ISBN 8024605821.
Fassmann, A.: Řízená tkáňová a kostní regenerace ve stomatologii. Praha. Grada publishing, 2002, 199s., ISBN 80-2470-316-5.

Languages necessary to complete the course:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 28

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. Igor Malachovský, PhD., MDDr. Sarah Kalmanová, MDDr. Mária Michálková, MDDr. Miroslav Jozefík, MDDr. Rastislav Juríček, MDDr. Katarína Sudzinová, MDDr. Filip Matia, MDDr. Daniel Hvizdoš, MUDr. Juraj Strecha, PhD., MDDr. Denis Hrivnák
Last change: 08.08.2025
Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-080/22	Dentoalveolar and Maxillofacial Surgery (4)

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise, Range (in hours) - weekly: 1/4 es Method: Face-to-face

Number of credits: 3

Recommended semester: 9.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-071/22 - Dentoalveolar and Maxillofacial Surgery (3)

Course requirements:
100% attendance in classes. (1 absence allowed with a medical certificate – to be submitted to the department secretariat (KSaMCH JLFUK a UNM). Individual practical performance. Rate of the practical exam in final evaluation: 20%. Final assessment consists of the final test examination and the practical exam. Rate of the final test examination in final evaluation: 80%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester. Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine, Comeniu University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
Scale of assessment (preliminary/final): Final assessment consists of the final test examination and the practical exam. Rate of the final test examination in final evaluation: 80%.Individual practical performance: to perform one of the prescribed practical tasks of dentoalveolar surgery realised in the patients oral cavity. Rate of the practical exam in final evaluation: 20%.

Learning outcomes:
Gaining the complete information on oncological problematics in oromaxillofacial area. Learning the methods of prevention, diagnostics and treatment of malignant and benign tumors in oromaxillofacial area. Students are able to analyze, diagnose, and set the treatment plan in patients after accidents in maxillofacial area. Classification of fractures in facial skeleton. Students are capable of conservative treatment of simple fractures of mandible – by maxillofacial immobilisation. Understanding the classification of surgical performances additional to conservative dental treatment. Students gain manual skills in performing resection of the root tips in single-rooted teeth. They familiarise with the problematics of the soft tissue injury. Capable of management of a patient with polytrauma and bullet wound.

Class syllabus:

Oncological Prevention (Primary, Secondary, Tertiary).
Clinical Examination of the Patients with Malignant and Benign Tumors, Radiodiagnosis in Oncology, Histopathological Examinations.
Benign Epithelial and Mesenchymal Tumors in Oromaxillofacial Area, Symptomathology, Diagnostics and Treatment.
Malignant Epithelial Tumors in Oromaxillofacial Area, Symptomathology, Diagnostics and Treatment.
Sarcomas in Oromaxillofacial Area, Symptomathology, Diagnostics, Treatment.
Benign and Malignant Tumors of Salivary Glands, Symptomathology, Diagnostics, Treatment.
Dentogenous Tumors, Symptomathology, Diagnostics and Treatment.
False Tumors, Symptomathology, Diagnostics and Treatment.
Complex Treatment of Tumors.
Traumatology of Oromaxillofacial Area: Accidents Etiology, Clinical Symptoms of the Accidents. Principles of Examination, First Medical Aid.
Classification of the Fractures of Facial Skeleton.
Conservative and Surgical Treatment of the Fractures of Facial Skeleton .
Complications of Fractures in Facial Skeleton.
Orbital Injuries.
Injuries of Soft Tissues.
Bullet Wounds in Oromaxillofacial Area.
Alkali Burns and Burns.
Polytraumas.
Specifics of Injuries in Maxillofacial Area in Children.

Recommended literature:

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

Languages necessary to complete the course:

slovak language

Notes:

Past grade distribution
Total number of evaluated students: 20

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

Lecturers: doc. MUDr. Dagmar Statelová, CSc., MUDr. Igor Malachovský, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Sarah Kalmanová, prof. MUDr. Jarmila Procházková, CSc., MDDr. Mária Michálková, MDDr. Daniel Hvizdoš, MDDr. Miroslav Jozefík, MDDr. Rastislav Juríček, MDDr. Katarína Sudzinová, MDDr. Filip Matia, MDDr. Denis Hrivnák

Last change: 08.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-089/22	Dentoalveolar and Maxillofacial Surgery (5)

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise, Range (in hours) - weekly: 1/4 E Method: Face-to-face

Number of credits: 3

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-080/22 - Dentoalveolar and Maxillofacial Surgery (4)

Course requirements:
100% attendance in classes. (1 absence allowed with a medical certificate – to be submitted to the department secretariat (KSaMCH JLFUK a UNM).
Continuous assessment test: minimum pass mark 65%.
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%. 80% share of the overall grade.
A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% or less.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester. Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine, Comeniu University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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 lessRate 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:
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, 423 s., ISBN 9788075535214.
Mazánek, J.: Traumatologie orofaciální oblasti. Praha: Grada, 2006, 200 s., 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 language

Notes:

Past grade distribution

Total number of evaluated students: 20

A	ABS0	B	C	D	E	FX
65,0	0,0	25,0	10,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Mária Janíčková, PhD., MPH, doc. MUDr. Dagmar Statelová, CSc., MUDr. Igor Malachovský, PhD., MDDr. Sarah Kalmanová, MDDr. Mária Michálková, MDDr. Daniel Hvizdoš, MDDr. Miroslav Jozefík, MDDr. Rastislav Juríček, MDDr. Katarína Sudzinová, MDDr. Filip Matia, MDDr. Denis Hrivnák
Last change: 08.08.2025
Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-104/22	Dentoalveolar and Maxillofacial Surgery (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-089/22 - Dentoalveolar and Maxillofacial Surgery (5)

Course requirements:
100% attendance in classes. (1 absence allowed with a medical certificate – to be submitted to the department secretariat (KSaMCH JLFUK a UNM).
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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine, Comeniu University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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%.

Learning outcomes:
By completing the course, the student acquires comprehensive knowledge of the problems of malignant epithelial and mesenchymal tumours in the oromaxillofacial region. The student will understand their classification, principles of examination, differential diagnosis and diagnostics. Learn the principles of complex multimodal treatment of malignant tumours of the oromaxillofacial region. Understand the risk of complications arising from individual therapeutic procedures.
Gain comprehensive information on reconstructive and modern regenerative medicine options in the oromaxillofacial region.
Gain theoretical knowledge and basic practical experience in the differential diagnosis of oromaxillofacial pain and become familiar with its treatment options.
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. The student

will acquire comprehensive knowledge of orthognathic surgical procedures, their indications, contraindications and complications.

Class syllabus:

Malignant epithelial tumors of the oromaxillofacial region: definition, classification, clinical signs, principles of examination, differential diagnosis and diagnosis.
Malignant mesenchymal tumours of the oromaxillofacial region: definition, classification, clinical features, principles of examination, differential diagnosis and diagnosis.
Comprehensive multimodal treatment of malignant tumours of the oromaxillofacial region: surgical treatment, radiotherapy, chemotherapy, indications, contraindications, complications and adverse effects.
Reconstruction options and modern regenerative medicine in the oromaxillofacial region.
Pain in the oromaxillofacial 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: idefinition, classification of procedures, 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.
Mazánek, J.: Orofaciální onkologie. 2018, Praha: Triton, 2018, 423s., ISBN 9788075535214.
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 80-169-975-6.

Languages necessary to complete the course:

slovak language

Notes:

Past grade distribution

Total number of evaluated students: 10

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

Lecturers: doc. MUDr. Mária Janíčková, PhD., MPH, doc. MUDr. Dagmar Statelová, CSc., MDDr. Sarah Kalmanová, prof. MUDr. Jarmila Procházková, CSc., MDDr. Daniel Hvizdoš, MDDr. Mária Michálková, MDDr. Miroslav Jozefík, MDDr. Rastislav Juríček, MDDr. Katarína Sudzinová, MUDr. Igor Malachovský, PhD., MDDr. Filip Matia, MDDr. Denis Hrivnák

Last change: 08.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.DK/J-S-ZL-055/22	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: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 29

A	ABS0	B	C	D	E	FX
96,55	0,0	3,45	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Juraj Péč, CSc., MUDr. Tatiana Hurtová, PhD., MSc., MUDr. Karolína Vorčáková, PhD.

Last change: 14.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-018/24	Digital Technologies and Materials in Dentistry (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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 2/3
Method Face-to-face

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 below.Rate 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: 11

A	ABS0	B	C	D	E	FX
36,36	0,0	63,64	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, PhDr. Libuša Kovalská, MDDr. Kristína Pitáková, MDDr. Michaela Smatanová, PhD., MDDr. Michal Augustín

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-034/24	Digital Technologies and Materials in Dentistry (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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise, Range (in hours) - weekly: 2/3 Method Face-to-face

Number of credits: 2

Recommended semester: 4.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-018/24 - Digital Technologies and Materials in Dentistry (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 below.Rate 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: 11

A	ABS0	B	C	D	E	FX
72,73	0,0	27,27	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Adriána Petrášová, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, PhDr. Libuša Kovalská, MDDr. Kristína Pitáková, MDDr. Michaela Smatanová, PhD., MDDr. Michal Augustín

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: **per level/semester:** 50s
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 test.

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: 63

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. Katarína Adamicová, PhD., MUDr. Tomáš Balhárek, PhD., MUDr. Jozef Mičák, PhD., MUDr. Petra Kolenčíková, PhD.

Last change: 12.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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.KSMCh/J-S-ZL-058/18 - Diploma Thesis Seminar (1)

Course requirements:
To present the final work outline.
Scale of assessment (preliminary/final): continuous evaluation

Learning outcomes:
The student is able to select relevant documents and information related to the given topic, works with the literature and correctly quotes it. It is able to collect and process research material (according to the focus of the work).

Class syllabus:
Detailed acquaintance with the content of documents obtained in the information survey, reading, studying.
Selection of relevant documents and information for further processing.
Citation methods.
Method of elaboration of diploma thesis (collection and processing of material) according to work direction.
Job creation - a definitive outline of work, layout of material into content-related units.
Independent student research.
Consultation.

Recommended literature:
Depends on the individuality of the specific topic of diploma thesis.
Internal regulation no. 12/2013 Rector of Comenius University in Bratislava about basic elements of final works, rigorous works and habilitation works, control of their originality, preservation and accessibility at Comenius University in Bratislava.
Internal regulation. 43/2013 Decision of the dean of Jessenius Medical Faculty of Charles University in Martin.
Implementing regulation concerning the final work of students of the Jessenius Faculty of Medicine of Commenius University in Martine.
Hanáček J, Javorka K et al.: Fundamentals of scientific research, Osvet, Martin, 2008, 216 p. ISBN 8080632816.

Meško D, Katuščák D et al .: Academic guide, Osvet, Martin, 2005, 496 p. ISBN 8080632006.
Katuščák D: How to write final and qualifying work, Enigma Publishing, s.r.o., Nitra, 2007, 162 p. ISBN 8089132454.

Languages necessary to complete the course:
Slovak

Notes:

Past grade distribution
Total number of evaluated students: 38

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: 12.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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.KSMCh/J-S-ZL-070/21 - 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: 56

A	ABS0	B	C	D	E	FX
98,21	0,0	0,0	1,79	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: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
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

Last change: 14.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 the seminars (at least 11 weeks), written final test
Evaluation: A - Fx
Scale of assessment (preliminary/final): 20/80

Learning outcomes:
Review of human prenatal development with emphasis on the chosen organs and organ 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) Multiple pregnancy and clinical correlations.
12) FInal evaluation.

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: RNDr. Veronika Mešťanová, PhD., doc. MVDr. Soňa Bálentová, PhD., doc. RNDr. Mária Kovalská, PhD., Ing. Veronika Cígerová, PhD., prof. RNDr. Peter Kubatka, PhD., RNDr. Lenka Lacková, PhD., Ing. Bibiana Krajňáková, PhD.

Last change: 13.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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=B429E3FC0E5A2131978DAB037CA73F70DA.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: 75

A	ABS0	B	C	D	E	FX
88,0	4,0	8,0	0,0	0,0	0,0	0,0

Lecturers: doc. Mgr. Juraj Čáp, PhD., Mgr. Martina Nebošková, PhD.

Last change: 23.03.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 64

A	ABS0	B	C	D	E	FX
71,88	0,0	21,88	3,13	3,13	0,0	0,0

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

Last change: 21.03.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-110/24	Gerodontology

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise
Range (in hours) - weekly: 1/1
Method Face-to-face

Number of credits: 2

Recommended semester: 11., 12..

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-089/22 - Dentoalveolar and Maxillofacial Surgery (5) and JLF.KSMCh/J-S-ZL-083/19 - Parodontology (2) and JLF.KSMCh/J-S-ZL-101/21 - Oral Medicine (2) and JLF.KSMCh/J-S-ZL-081/19 - Dental Protetics (5) and JLF.KSMCh/J-S-ZL-082/19 - Conservative Dentistry, Endodontics (5)

Course requirements:
Final evaluation of students is realized in the form of a test and a final exam (final test).
Rate of theoretical oral exam in the overall evaluation is 80%.
Preliminary evaluation in the form of a test: minimum requirement for passing 65%.
Grading: A: 93-100 %, B: 86-92 %, C: 79-85 %, D: 72-78 %, E: 65-71 %, FX: 64 % or less. Rate in the evaluation 80%.

Learning outcomes:
Knowledge: specific diseases in the oromaxillofacial area in geriatric patients focused on diagnosis, therapy and prevention.
Skills: communication with geriatric patients.
Course graduate gains information about specific pathological changes of gerodontological patients in conservative dentistry, prosthodontics, periodontology, oral medicine, dentoalveolar and maxillofacial surgery while implementing knowledge from all previous courses in the dental medicine study programme.

Class syllabus:
Population development, theories of aging. Effect of age on health in the oral and maxillofacial area with connections to overall health of gerodontological patients. Planning of gerodontological treatment according to individual specializations in dental medicine.
GENERALl PART:
Gerontostomatology as a particular subject of dentistry
Epidemiology of population ageing
Psychologic aspects of ageing, cognitive impairments

Theories of ageing
Theory of free radicals
Other theories of ageing
Rules of communication with erderly patients in a dental office
Stomatologic treatment of erderly patients due to general disorders
Main general pathologic changes in erderly
Ageing by systems
Category of risk and high-risk patients
Arterial hypertension
Ischemic heart disease, conditions after myocardial infarction
Valvular heart disease and conditions after heart surgery, prevention of septic endocarditis
ATB prophylaxis in erderly people
Patient with pacemaker
Conditions after stroke (apoplexy)
Pulmonary and respiratory diseases
Kidney diseases
Haemocoagulation disturbancies
Anticoagulant and antiaggregant treatment in geriatric patients
Patients with diabetes mellitus in dental praxis
Disorders of motion system, patients with joint endoprothesis
Pharmacology in geriatric patients, polypharmacy, compliance
Therapy of chronic pain in regard to higher age
SPECIAL PART
Orofacial ageing
Changes of dental hard tissue and dental pulp by age
Abrasion and attrition of teeth
Caries of root, caries of cementum, prevalence, aetiology, diagnostics
Changes of periodontium by age
Changes of oral mucosa by age
Changes of salivary glands by age
Involutional changes in TMJ region, masticatory muscles and muscles of facial expression
Dental treatment planning in erderly
Conservative treatment
Therapy of caries in geriatric patients, caries of root
Endodontic treatment in erderly
Treatment of periodontal and oral mucosa problems in erderly
Main periodontal diseases in erderly
Treatment of periodontal diseases in erderly
Xerostomy # aetiology and its sequels in a geriatric patient
Stomatodynia and glossopyrosis in erderly
Dentoalveolar and maxillofacial surgery
Special issues in dentoalveolar surgery in erderly
Local anaesthesia
Out-patient and in-patient care
Risks of higher age regarding incidence of tumours
Oncologic vigilance by routine evaluation of erderly patients, particular steps
Preprosthetic surgery in old age
Conventional preprosthetic surgery in erderly, relative jaw augmentation
Methods of absolute jaw augmentation (onlay, inlay, sandwich), age limits

Osseointegrated implants in aged patients, combination with absolute augmentation
Influence of erderly by management of maxillofacial injuries
Diagnostics of CNS injuries by common jaw and face trauma in geriatric patients
Special issues in maxillofacial fractures in geriatric patients
Approach to surgical and conservative therapy of maxillofacial fractures, nutrition
Disorders of TMJ in geriatric patients
Orofacial neuralgias in erderly
Prosthetics
Basic approach to prosthetic treatment in erderly
Risk factors of fixed prosthetics in erderly
Prosthetic treatment of aged patients with partial edentulism
Total denture in aged patient
Stomatitis prothetica in aged patients
Prevention in gerontostomatology
General-medicine prevention in erderly
Stomatological prevention in erderly

Recommended literature:

Hegyi, L., Krajčík, Š. 2010. Geriatria. 1. vyd. Bratislava: Herba, 2010, 608 s. ISBN 978-80-89171-73-6.
Holm-Pedersen, Poul, Ship, Jonathan A. Walls, Angus (eds). Textbook of geriatric dentistry. Chichester : John Wiley & Sons Inc., 2015, 369 s. ISBN 978-1-4051-5364-5.
Kalvach, Z., Zadák, Z., Jirák, R., Zavázalová, H., Sucharda, P. a kol. 2004. Geriatrie a gerontológie. Praha : Grada Publishing, 2004, 864 s. ISBN 80-247-0548-6.
Kalvach, Z., Zadák, Z., Jirák, R., Zavázalová, H., Holmerová, I., Weber, P. a kol. 2008. Geriatrické
syndromy a geriatrický pacient. Praha: Grada Publishing, 2008, 336 s. ISBN 978-80-247-2490-4.
Kane, R. I., Ouslander, J. G., Abrass, I. B.: 1999. Essentials of Clinical Geriatrics. 4th Ed., New York,
McGraw-Hill, 1999, 621 s. ISBN 0-07-034458-2.
Krajčík, Š.: 2000. Geriatria. Trnava: Trnavská univerzita, 2000, 82 s. ISBN 80-88908.
Krajčík, Š. 2008. Princípy diagnostiky a terapie v geriatrii. Bratislava: Charis, 2008, 192 s. ISBN 978-80-88743-72-9.
Lamster, I.B.: Improving Oral Health for the Elderly. Springer 2008, 548 s.
Matějovská Kubešová, H. et al. 2009, Akutní stavy v geriatrii. Praha: Galén, 2009, 233.
Mersel, A.: Oral Rehabilitation for Compromised and Elderly Patients. Springer 2019, 136 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
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, doc. MUDr. Tomáš Siebert, PhD., MDDr. Michaela Smatanová, PhD.

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 56

A	ABS0	B	C	D	E	FX
98,21	0,0	0,0	1,79	0,0	0,0	0,0

Lecturers: prof. MUDr. Kamil Biringer, PhD., prof. MUDr. Erik Kúdela, PhD., MUDr. Imrich Žigo, CSc., MUDr. Michaela Hrtánková, PhD., MUDr. Štefan Krivuš, CSc., prof. MUDr. Ján Danko, CSc., MUDr. Petra Kasajová, PhD., MUDr. Erik Kozubík, PhD., MUDr. Terézia Pribulová, PhD., MUDr. Tomáš Rokos, PhD.

Last change: 06.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 classes (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 4 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 idenify 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: 88

A	ABS0	B	C	D	E	FX
69,32	0,0	15,91	3,41	5,68	4,55	1,14

Lecturers: RNDr. Veronika Mešťanová, PhD., doc. MVDr. Soňa Bálentová, PhD., doc. RNDr. Mária Kovalská, PhD., Ing. Veronika Cígerová, PhD., RNDr. Lenka Lacková, PhD., Ing. Bibiana Krajňáková, PhD.

Last change: 13.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 78

A	ABS0	B	C	D	E	FX
82,05	0,0	10,26	2,56	5,13	0,0	0,0

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

Last change: 06.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
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. BLOK1 A1 Bolesti na hrudníku - dif. dg. A2 Dýchavica - dif. dg. A3 Opuchové stavy - dif. dg. A4 Poruchy vedomia (synkopy, komatózne stavy) - príčiny, dif. dg., liečba. A5 Zástava srdca. Základy kardiopulmo - cerebrálnej resuscitácie. A6 Vyšetrovacie metódy v kardiológii. A7 Zlyhanie srdca - etiopatogenéza, klinika, liečba. A8 Ischemická choroba srdca – akútna a chronická forma. A9 Artériová hypertenzia - epidemiológia, etiopatogenéza, klasifikácia, klinika, diagnostika, liečba. A10 Ochorenie žíl dolných končatín.	

BLOK2
B1. Chronická obštrukčná choroba pľúc - etiopatogenéza, klinický obraz, liečba.
B2. Priedušková astma - etiopatogenéza, klinický obraz, diagnostika, diferenciálna diagnostika, liečba.
B3. Pneumónia, bronchopneumónia - klasifikácia, klinický obraz, diagnostika, dif. dg., liečba, komplikácie.
B4. Tuberkulóza: epidemiológia,.klinický obraz, diagnostika a liečba.
BLOK3
C1 Všeobecná symptomatológia chorôb horného GITu.
C2 Všeobecná symptomatológia chorôb dolného GITu.
C3 Krvácanie z tráviaceho traku - príčiny, dif. dg., liečba.
C4 Diagnostické metódy v gastroenterológii.
C5 Choroby ezofágu a zápalové ochorenie žalúdka.
C6 Vredová choroba žalúdka a dvanástnika.
C7 Ikterus - dif. dg.
C8 Cirhóza pečene.
C9 Ochorenia žlčníka a žlčových ciest.
C10 Ochorenia pankreasu
BLOK4
D1 Vyšetrovacie metódy v nefrológii.
D2 Akútna a chronická renálna insuficiencia.
D3 Poruchy vodného metabolizmu (dehydratácia), poruchy minerálového metabolizmu (sodík, draslík), poruchy acidobázickej rovnováhy (acidóza, alkalóza).
D4 Otravy - všeobecné zásady diagnostiky a prvej pomoci.
D5 Poškodenie organizmu ionizujúcim a neionizujúcim žiarením.
D6 Choroba z vibrácií.
BLOK5
E1 Diabetes mellitus - epidemiológia, etiopatogenéza, klasifikácia, klinika, dg., terapia, prevencia.
E2 Choroby štítnej žľazy.
E3 Terapeutické využitie glukokortikoidov - indikácie, kontraindikácie, vedľajšie účinky a ich prevencia.
BLOK6
F1 Anémie - diagnostika a liečba.
F2 Krvácavé stavy.
F3 Zásady protitrombotickej (trombolytickej, antikoagulačnej a protidoštičkovej) liečby.
F4 Zásady podávania transfúznych prípravkov. Transfúzne reakcie.
F5 Uzlinový syndróm - príčiny, dif. dg.
F6 Bolesti kĺbov - dif. dg. degeneratívnych a zápalových ochorení kĺbov
F7 Sepsa.
F8 Zásady liečby antibiotikami - rozdelenie, indikácie, komplikácie.
F9 Všeobecné a špecifické príznaky zhubných nádorových ochorení.
F10 Problematika AIDS.
F11 Rozdelenie a klinická symptomatológia infekčných chorôb.
F12 Vírusové hepatítídy.
F13 Ochorenie vyvolané vírusom herpes simplex.
F14 Kandidóza.

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.
Samoš M, Bolek T, Bánovčin P, Dedinská I, Vyšehradský R, Benko J, Mokáň M a kol. Praktické cvičenia z vnútorného lekárstva pre IV. a V. ročník JLF UK v Martine – zimný semester. P+M s.r.o. Turany 2021, 300 s.
Samoš M, Bolek T, Bánovčin P, Dedinská I, Sokol J, Staško J Mokáň M a kol. Praktické cvičenia z vnútorného lekárstva pre IV. a V. ročník JLF UK v Martine – letný semester. P+M s.r.o. Turany 2021, 270 s.
Klener, P.:
Vnitřní lékařství, Praha, Galén , Karolinum, 2011, 1 174 s.
Češka, R. a kol.
Interna. (3. aktualizované vydání) Praha: Triton, 2020, 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.

Languages necessary to complete the course:
Slovak language.

Last change: 27.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.IKG/J-S-ZL-049/22	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: 3

Recommended semester: 7.

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)

Recommended prerequisites:
Internal Medicine Propedeutics 2

Course requirements:
Minimal 80% of practical exercises and rating of activity .
Rating: A 93- 100%, B 86-92%, C:79:79-85%,D: 72- 78%, E:68-71%, FX:64%

Learning outcomes:

Class syllabus:
Lectures:
1. Ischemic heart disease.
2. Valve errors and heart failure.
3. Inflammatory heart diseases and heart rhythm disorders.
4. Acute inflammatory diseases of the lower respiratory system, tuberculosis.
5. Chronic obstructive pulmonary disease and bronchial asthma.
6. Tumors of the lungs, mediastinum and pleura.

practical lessons:
1. Ischemic heart disease and hypertension.
2. Valve errors and heart failure.
3. Inflammatory heart diseases and heart rhythm disorders.
4. written TEST exam from cardiovascular diseases.
5. Obstructive pulmonary disease and bronchial asthma.
6. Tumors of the lungs and medistinum
7. Credit test for lung and mediastinal diseases.

Recommended literature:

Languages necessary to complete the course:
Slovak language

Notes:

Past grade distribution
Total number of evaluated students: 29

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, prof. MUDr. Peter Galajda, CSc., doc. MUDr. Jurina Sadloňová, CSc., prof. MUDr. Rudolf Hyrdel, CSc., prof. MUDr. Matej Samoš, PhD., doc. MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., doc. MUDr. Daniela Kantárová, PhD., MPH, MUDr. Michal Mokáň, PhD., doc. MUDr. Peter Bánovčin, PhD., MBA, MUDr. Michal Demeter, PhD., MUDr. Martin Ďuriček, PhD., MUDr. Jakub Hoferica, PhD., MUDr. Peter Hyrdel, PhD., MUDr. Peter Lipták, PhD., MUDr. Lenka Nosáková, PhD., MUDr. Michal Prokopič, PhD., MUDr. Martin Schnierer, PhD., MUDr. Diana Vážanová, PhD.

Last change: 13.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.IKG/J-S-ZL-057/22	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: 2

Recommended semester: 8.

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)

Recommended prerequisites:
Internal Medicine Propedeutics, Internal Medicine 1

Course requirements:
Completion of at least 80% of practical lessons. In the credit week it is possible to substitute for justified non-participation (up to 20%). In justified cases, with the consent of the subject supervisor, allow higher non-participation to be substituted. 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:
Competition of the training the student gains general information -knowledge and practical skills in internal medicine. The graduate of the course will be able to take a history from patients with diseases of the digestive and endocrine systems. They will master the examination techniques of the abdomen and abdominal organs and will know the basic auxiliary, instrumental and laboratory examinations in gastroenterology, hepatology, nephrology, endocrinology, diabetology, hematology and rheumatology. They will gain practice in taking materials for laboratory examination of the patient and will be able to interpret the importance of individual laboratory findings.

Class syllabus:
Lectures:
1. Congenital, inflammatory and cancerous diseases of the oral cavity, esophagus and stomach.
2. Gastric or duodenal ulcer
3. Chronic inflammatory, metabolic and malignant liver diseases.
4. Diseases of the gallbladder, bile ducts (lithiasis, inflammation, complications), including neuroendocrine tumors.
5. Inflammatory and cancerous diseases of the pancreas.
6. Inflammatory and cancerous diseases of the small and large intestine, IBD, epidemiology, pathogenesis. Diagnosis and treatment.

7. Diabetes mellitus, definition, epidemiology, classification, diagnosis - diabetic mellitus acute and chronic complications, diet, lifestyle, and treatment.
8. Thyroid diseases, dysfunctions, inflammatory and cancer diseases.
9. Diseases of the pituitary and adrenal glands, dysfunction, inflammatory and cancerous diseases.
10. Osteopathy and disorders of protein and amino acid metabolism, gout, porphyria.
11. Basics of metabolism, metabolic diseases, organization and importance of metabolic units: basics of parenteral and enteral nutrition.
12. Inflammatory and degenerative diseases of bones, joints and muscles.
13. Dental infections in relation to systemic inflammatory diseases.
14. Importance of genetics in internal diseases.
Practical lessons:
1. Diseases of the oral cavity, esophagus and stomach. Examination of patients, demonstration of esophageal - gastroduodenoscopy, endoscopic ultrasonography, presentation of X-ray, CT findings.
2. Inflammatory and cancerous diseases of the liver, bile ducts and pancreas.
3. Inflammatory and neoplastic diseases of the small and large intestine, per rectum examinations, rectoscopy, colonoscopy, irrigography, presentation of X-rays and examinations using CT and MR. TEST no. 1
4. Diabetes mellitus, examination of patients, auxiliary provocative tests, diagnostic criteria, diet design, adjustment for treatment.
5. Presentation, examination and diagnosis of patients with endocrine diseases of the thyroid gland, pituitary gland, adrenal glands.
6. Systemic inflammatory diseases.
7. Credit test.

Recommended literature:

Languages necessary to complete the course:
Slovak language

Notes:

Past grade distribution
Total number of evaluated students: 28

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., doc. MUDr. Katarína Šimeková, PhD., prof. MUDr. Ján Staško, PhD., prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, prof. MUDr. Peter Galajda, CSc., doc. MUDr. Jurina Sadloňová, CSc., prof. MUDr. Matej Samoš, PhD., doc. MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., MUDr. Lívia Jamrišková, PhD., doc. MUDr. Daniela Kantárová, PhD., MPH, MUDr. Michal Mokáň, PhD., MUDr. Róbert Rosoľanka, PhD., doc. MUDr. Peter Bánovčin, PhD., MBA, MUDr. Michal Demeter, PhD., MUDr. Martin Ďuriček, PhD., MUDr. Jakub Hoferica, PhD., MUDr. Peter Hyrdel, PhD., MUDr. Peter Lipták, PhD., MUDr. Lenka Nosáková, PhD., MUDr. Michal Prokopič, PhD., MUDr. Martin Schnierer, PhD., MUDr. Diana Vážanová, PhD., MUDr. Lenka Lisá, PhD., doc. MUDr. Juraj Sokol, PhD., MBA, MUDr. Lucia Stančiaková, PhD., doc. MUDr. Tomáš Šimurda, PhD., MPH, RNDr. Jana Žolková, PhD.

Last change: 26.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 1 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.
Samoš M, Bolek T, Bánovčin P, Dedinská I, Vyšehradský R, Benko J, Mokáň M a kol.
Praktické cvičenia z vnútorného lekárstva pre IV. a V. ročník JLF UK v Martine – zimný semester. P+M s.r.o. Turany 2021, 300 s.
Samoš M, Bolek T, Bánovčin P, Dedinská I, Sokol J, Staško J Mokáň M a kol.
Praktické cvičenia z vnútorného lekárstva pre IV. a V. ročník JLF UK v Martine – letný semester. P+M
s.r.o. Turany 2021, 270 s.
Klener P.
Vnitřní lékařství, Praha, Galén , Karolinum, 2011, 1 174 s.
Češka R. a kol.
Interna. (3. aktualizované vydání) Praha: Triton, 2020, 855 s.
Souček M. a kol.
Vnitřní lékařství 1. díl. Praha: Grada, 2025. 1560 s.
Marek J. a kol.
Markova farmakoterapie vnitřních nemocí. Praha: Grada, 2019. 896 s. ISBN
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
Harrison's® Principles of Internal Medicine, 21st edition. McGraw-Hill Companies, 2022

Languages necessary to complete the course:
Slovak language.

Notes:

Past grade distribution
Total number of evaluated students: 56

A	ABS0	B	C	D	E	FX
83,93	0,0	8,93	5,36	0,0	1,79	0,0

Lecturers: prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, prof. MUDr. Peter Galajda, CSc., doc. MUDr. Jurina Sadloňová, CSc., doc. MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., MUDr. Michal Mokáň, PhD., prof. MUDr. Ivana Dedinská, PhD., prof. MUDr. Ján Staško, PhD., doc. MUDr. Katarína Šimeková, PhD., MUDr. Jakub Benko, PhD., MUDr. Karol Graňák, PhD., doc. MUDr. Matej Vnučák, PhD., MUDr. Juraj Krivuš, PhD., MUDr. Patrik Lecký, MUDr. Zuzana Miertová, MUDr. Stanislava Mikulová, PhD., MUDr. Lucia Kapičáková, MUDr. Lívia Jamrišková, PhD., MUDr. Martin Jozef Péč, PhD., MUDr. Patrícia Kleinová, doc. MUDr. Ivana Ságová, PhD., prof. MUDr. Matej Samoš, PhD., MUDr. Andrej Kollár

Last change: 27.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.IK1/J-S-ZL-077/19	**Course title:** 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: JLF.IK1/J-S-ZL-067/19 - Internal Medicine (3)	
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. Samoš M, Bolek T, Bánovčin P, Dedinská I, Vyšehradský R, Benko J, Mokáň M a kol. Praktické cvičenia z vnútorného lekárstva pre IV. a V. ročník JLF UK v Martine – zimný semester. P+M s.r.o. Turany 2021, 300 s. Samoš M, Bolek T, Bánovčin P, Dedinská I, Sokol J, Staško J Mokáň M a kol. Praktické cvičenia z vnútorného lekárstva pre IV. a V. ročník JLF UK v Martine – letný semester. P+M	

s.r.o. Turany 2021, 270 s.
Klener P.
Vnitřní lékařství, Praha, Galén , Karolinum, 2011, 1 174 s.
Češka R. a kol.
Interna. (3. aktualizované vydání) Praha: Triton, 2020, 855 s.
Souček M. a kol.
Vnitřní lékařství 1. díl. Praha: Grada, 2025. 1560 s.
Marek J. a kol.
Markova farmakoterapie vnitřních nemocí. Praha: Grada, 2019. 896 s. ISBN
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
Harrison's® Principles of Internal Medicine, 21st edition. McGraw-Hill Companies, 2022

Languages necessary to complete the course:
Slovak language.

Notes:

Past grade distribution
Total number of evaluated students: 56

A	ABS0	B	C	D	E	FX
80,36	0,0	12,5	7,14	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Galajda, CSc., prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, doc. MUDr. Jurina Sadloňová, CSc., doc. MUDr. Tomáš Bolek, PhD., doc. MUDr. Ivana Ságová, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., MUDr. Karol Graňák, PhD., MUDr. Lívia Jamrišková, PhD., doc. MUDr. Matej Vnučák, PhD., MUDr. Juraj Krivuš, PhD., MUDr. Stanislava Mikulová, PhD., MUDr. Michal Mokáň, PhD., prof. MUDr. Ivana Dedinská, PhD., MUDr. Tímea Blichová, MUDr. Patrik Lecký, MUDr. Zuzana Miertová, MUDr. Lucia Kapičáková, MUDr. Martin Jozef Péč, PhD., MUDr. Patrícia Kleinová, MUDr. Andrej Kollár

Last change: 27.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 74

A	ABS0	B	C	D	E	FX
85,14	4,05	8,11	2,7	0,0	0,0	0,0

Lecturers: prof. MUDr. Rudolf Hyrdel, CSc., prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, prof. MUDr. Peter Galajda, CSc., doc. MUDr. Jurina Sadloňová, CSc., doc. MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., doc. MUDr. Daniela Kantárová, PhD., MPH, MUDr. Michal Mokáň, PhD., MUDr. Jakub Benko, PhD., MUDr. Tímea Blichová, MUDr. Lucia Kapičáková, MUDr. Lívia Jamrišková, PhD., MUDr. Patrícia Kleinová, MUDr.

Andrej Kollár, MUDr. Juraj Krivuš, PhD., MUDr. Patrik Lecký, MUDr. Zuzana Miertová, MUDr. Stanislava Mikulová, PhD., MUDr. Peter Novodvorský, PhD., MUDr. Martin Jozef Péč, PhD., doc. MUDr. Ivana Ságová, PhD., prof. MUDr. Matej Samoš, PhD.
Last change: 12.04.2022
Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 40

A	ABS0	B	C	D	E	FX
87,5	0,0	2,5	5,0	5,0	0,0	0,0

Lecturers: prof. MUDr. Rudolf Hyrdel, CSc., prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, prof. MUDr. Peter Galajda, CSc., doc. MUDr. Jurina Sadloňová, CSc., prof. MUDr. Matej Samoš, PhD., doc. MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., MUDr. Lívia Jamrišková, PhD., doc. MUDr. Daniela Kantárová, PhD., MPH, MUDr. Michal Mokáň, PhD., prof. MUDr. Dušan Meško, PhD., doc. MUDr. Peter Bánovčin, PhD., MBA

Last change: 12.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 45

A	ABS0	B	C	D	E	FX
17,78	6,67	40,0	24,44	6,67	4,44	0,0

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

Last change: 07.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 44

A	ABS0	B	C	D	E	FX
29,55	0,0	36,36	25,0	2,27	6,82	0,0

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

Last change: 07.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 4 times (8 teaching hours), participation in lectures 4 times
- 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: 75

A	ABS0	B	C	D	E	FX
96,0	0,0	4,0	0,0	0,0	0,0	0,0

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

Last change: 06.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 78

A	ABS0	B	C	D	E	FX
76,92	3,85	16,67	2,56	0,0	0,0	0,0

Lecturers: prof. MUDr. Elena Nováková, PhD., MUDr. Jana Kompaníková, PhD., doc. MUDr. Vladimíra Sadloňová, PhD.
Last change: 06.04.2022
Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 75

A	ABS0	B	C	D	E	FX
94,67	0,0	0,0	1,33	4,0	0,0	0,0

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

Last change: 06.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.NlK/J-S-ZL-047/22	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: 3

Recommended semester: 7.

Educational level: I.II.

Prerequisites:

Course requirements:
Oral exam. Evaluation: A,B,C,D,E,Fx

Learning outcomes:
After completion of the subject the student understands basic information about Neurology, about basic examination principles and the ways of the patients examination with focus on orofacial region. Student is able to apply knowledge from the neuroanatomy and physiology of the peripheral and central nervous system. Student will be informed about the way of examination of the particular neurology systems. Student has overview, basic knowledge and principles of the correct indication of the ancillary diagnostic methods in neurology. Student is able to do individual patient examination, basic analysis of the pathological findings, correct syndrome identification and supposed pathology localization. Completion of the subject forms general basic clinical skills.

Class syllabus:
Anamnesis. Cranial nerves I-XII. Periferal facial nerve palsy. Central and peripheral type of the palsy. Movement disorders. Cerebellar and vestibular syndromes. Speech and speech disorders. Meningeal syndrome. CSF. Stroke. Subarachnoidal 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

Languages necessary to complete the course:

Notes:

Past grade distribution
Total number of evaluated students: 29

A	ABS0	B	C	D	E	FX
68,97	0,0	20,69	6,9	3,45	0,0	0,0

Lecturers: prof. MUDr. Egon Kurča, PhD., FESO, doc. MUDr. Milan Grofik, PhD., doc. MUDr. Ema Kantorová, PhD., doc. MUDr. Vladimír Nosáľ, PhD., FESO, prof. MUDr. Štefan Sivák, PhD., MUDr. Monika Turčanová Koprušáková, PhD., MUDr. Babeta Hofericová, MUDr. Pavol Skáčik, PhD., MUDr. Róbert Ružinák, PhD., MUDr. Jana Dluhá, PhD., MUDr. Kristián Šveda, MUDr. Jana Olekšáková, MUDr. Lucia Babálová, PhD., MUDr. Daniela Feďáková, MUDr. Jaroslav Petrišin

Last change: 26.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 64

A	ABS0	B	C	D	E	FX
78,13	0,0	18,75	1,56	0,0	1,56	0,0

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

Last change: 07.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 38

A	ABS0	B	C	D	E	FX
23,68	0,0	21,05	18,42	21,05	13,16	2,63

Lecturers: prof. MUDr. Katarína Adamicová, PhD., doc. MUDr. Tomáš Siebert, PhD.

Last change: 12.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 37

A	ABS0	B	C	D	E	FX
40,54	0,0	21,62	18,92	2,7	16,22	0,0

Lecturers: prof. MUDr. Katarína Adamicová, PhD., doc. MUDr. Tomáš Siebert, PhD.

Last change: 12.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-076/22	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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/2
Method: Face-to-face

Number of credits: 2

Recommended semester: 7.

Educational level: I.II.

Prerequisites:

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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin.
Scale of assessment (preliminary/final): Consecutive Evaluation - test: minimum to pass: 65%.Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less. Rate in final evaluation: 80%.Individual work: practical tasks accomplished in the patient’s oral cavity. Rate in the final evaluation: 20%.

Learning outcomes:
Students acquire basic information about the problematics of maxillary orthodontic anomalies. They make themselves familiar with causes of occurence, classification systems and diagnostic actions. Students understand the actions of analysis of cephalometric images. They are capable of setting the complex treatment plan. Students are able to make use of the acquired theoretical knowledge in performance in patient’s oral cavity.

Class syllabus:

Ontogenetic devlopment of the Orofacial System.
Morphology and Function of the Dentice. Features of Standard Dentice.
Eugnathia and Disgnathia.
Causes of Orthodontic Anomalies.
Developmental Aberrances of the Teeth, Dental Arches and Intermaxillary Relations.
Classification System in Diagnostics of Anomalies.
Angle Classification System.
Normo-occlusion, Retro-occlusion, Proper Progeny, Forced Progenic Occlusion.
Diagnostic Examination in Orthodontics, Documentation.
Basics of Analysis of Cephalometric Image.
Possibilities of Treatment of Anomalies.
General Principles of Therapeutic Extraction in Orthodontics.

Recommended literature:

Andrik, P. a kol.: Čeľustná ortopédia # Ortodoncia. Martin: Osveta, 1981. 221 s.
Andrik, P. a kol.: Čeľustná ortopédia. 2., dopl. vyd. Martin: Osveta, 1976. 344 s.
Bachratý, A., Bachratá, 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

Notes:

Past grade distribution
Total number of evaluated students: 39

A	ABS0	B	C	D	E	FX
56,41	0,0	20,51	10,26	2,56	5,13	5,13

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Alena Koniarová, PhD., MUDr. Eva Sedlatá Jurásková, PhD., MDDr. Zuzana Koniarová

Last change: 05.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-084/24	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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

Number of credits: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-076/22 - Orthodontics (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%. The condition for completing the course is the fulfillment of a prescribed number of procedures per semester. Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin.
Scale of assessment (preliminary/final): Final Evaluation in form of theoretical oral exam. Rate in final evaluation: 80%.Consecutive Evaluation - test: minimum to pass: 65%.Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less.Practical Exam - individual work: prescribed practical tasks accomplished in the patient’s oral cavityRate in the final evaluation: 20%.

Learning outcomes:
Students gain complex information about diagnostics of maxillary orthodontics anomalies. Within the anomaly diagnostics, they are capable of analysis of a model, cephalometric examination, and clinical examination of a patient. They understand the principles of therapy and manage the problematics of removable and fixed orthodontic appliances. Students make themselves familiar with construction and anchorage elements of these appliances.
Students acquire complex picture of diagnostics, treatment and rehabilitation of patients affected by orthodontic anomalies. They also understand the principles of interdisciplinary cooperation. Students are able to make use of the acquired theoretical knowledge in performance in patient’s oral cavity.

Class syllabus:

Brief syllabus:
Development of Deciduous Dentice. Mixed Dentice and Its Change for Permanent Dentice.
Dental and Skeletal Age.
Occlusion Diagnostics.
Complex orthodontic Examination.
Cephalometric Examination.
Angle's and Biogenetic Classification, Analysis of Models.
Compressions, Crossbite Occlusions.
Progenial, Overbite and Openbite Occlusions.
Orthodontics Therapy Generally, Basic Types of Orthodontic Appliances.
Fixed and Removable Orthodontic Appliances, Indications, Contraindications.
Removable Orthodontic Appliances, Indications, Construction Elements.
Materials Used in Orthodontics.
Indications of the Fixed Orthodontic Appliances, Particular Elements and Principles of Application Construction Elemenets of Fixed Orthodontic Appliances, Extraoral Tractions, Fixed Orthodontic Appliances for Partial Operation, Partial Arches, Anchorage of Fixed Orthodontic Appliances.
Importance of Retention Phase.
Therapeutic Extraction in Orthodontics.
Interdisciplinary Cooperation with Other Branches of dentistry in Complex Rehabilitation of a Patient.

Recommended literature:

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: prof. MUDr. Jarmila Procházková, CSc., MUDr. Alena Koniarová, PhD., MUDr. Eva Sedlatá Jurásková, PhD., MDDr. Zuzana Koniarová

Last change: 05.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-090/22	Orthodontics (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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-084/22 - Orthodontics (2)

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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin.
Scale of assessment (preliminary/final): 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: 20

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

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Alena Koniarová, PhD., MUDr. Eva Sedlatá Jurásková, PhD., MDDr. Diana Červeňová, MDDr. Zuzana Koniarová

Last change: 05.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-105/22	Orthodontics (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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-090/22 - Orthodontics (3)

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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin.
Scale of assessment (preliminary/final): 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 jaw orthodontic anomalies. He can examine the patient, make a diagnosis, create a comprehensive treatment plan and indicate the appropriate type of orthodontic appliances. He cooperates with other dental departments in a multidisciplinary cooperation in creating a treatment plan.

Class syllabus:
Etiology, diagnosis and treatment of individual orthodontic anomalies.

Developmental orthodontic anomalies: diastema, anomalies in the number, shape and size of teeth.
Protrusion anomalies.
Progenic, Angle Class II, division 2 malocclusion and open bites.
Crossed bites.
Retentions of individual teeth.
Clefts.
Multidisciplinary cooperation with dental departments in comprehensive patient rehabilitation.
The importance of photography in the treatment of patients in the orthodontic outpatient clinic.

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: 20

A	ABS0	B	C	D	E	FX
75,0	0,0	20,0	5,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Alena Koniarová, PhD., MUDr. Eva Sedlatá Jurásková, PhD., MDDr. Zuzana Koniarová

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-106/22	Orthodontics (5)

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

Type, volume, methods and workload of the student - additional information
Block of 4 weeks
Method: Face-to-face

Number of credits: 6

Recommended semester: 11., 12..

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-105/22 - Orthodontics (4)

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

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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin.
Scale of assessment (preliminary/final): 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 jaw orthodontic anomalies. He can examine the patient, make a diagnosis, create a comprehensive

treatment plan and indicate the appropriate type of orthodontic appliances. He cooperates with other dental departments in a multidisciplinary cooperation in creating a treatment plan.

Class syllabus:
Etiology, diagnosis and treatment of individual orthodontic anomalies.
Developmental orthodontic anomalies: diastema, anomalies in the number, shape and size of teeth.
Protrusion anomalies.
Progenic, Angle Class II, division 2 malocclusion and open bites.
Crossed bites.
Retentions of individual teeth.
Clefts.
Multidisciplinary cooperation with dental departments in comprehensive patient rehabilitation.
The importance of photography in the treatment of patients in the orthodontic outpatient clinic.

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: 10

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

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Alena Koniarová, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Eva Sedlatá Jurásková, PhD., MDDr. Diana Červeňová

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
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: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 100% on practical lessons. Activity during education. Missing practicals max.20%. The replacement of missing exercises after agreement with teacher.
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: 64

A	ABS0	B	C	D	E	FX
89,06	0,0	3,13	4,69	3,13	0,0	0,0

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

Last change: 16.02.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/2
Method: Face-to-face

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%.
The main condition for absolvation of the subject is realization of the set number of the procedures. The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin.
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.: Parodontitída. Vyd. Aleš Čeněk, Plzeň, ČR, 2022, ISBN: 978-80-7380-895-2.
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: 56

A	ABS0	B	C	D	E	FX
44,64	0,0	26,79	21,43	5,36	1,79	0,0

Lecturers: doc. MUDr. Tomáš Siebert, PhD., prof. MUDr. Jarmila Procházková, CSc., MDDr. Ema Škvrndová

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise, Range (in hours) - weekly: 1/3 Method: Face-to-face

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%
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin.
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.: Parodontitída. Vyd. Aleš Čeněk, Plzeň, ČR, 2022, ISBN: 978-80-7380-895-2.
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

Notes:

Past grade distribution
Total number of evaluated students: 56

A	ABS0	B	C	D	E	FX
46,43	0,0	30,36	10,71	7,14	5,36	0,0

Lecturers: doc. MUDr. Tomáš Siebert, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., MDDr. Ema Škvrndová

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-109/22	Parodontology (3), Oral Medicine (3)

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

Type, volume, methods and workload of the student - additional information
Block of 4 weeks,
Method: Face-to-face

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)

Recommended prerequisites:
Periodontology I; Periodontology I, II; Oral medicine I; Oral medicine I, II

Course requirements:
Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and less. Rating share 50%.
Practical exam (individual work): Realization of prescribed procedures in the patient's mouth. Rating share 50%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin.
Scale of assessment (preliminary/final): Rating: A: 93-100%, B: 86-92%, C: 79-85%, D: 72-78%, E: 65-71%, FX: 64% and less. Rating share 50%.Practical exam (individual work): Realization of prescribed procedures in the patient's mouth. Rating share 50%.

Learning outcomes:
The graduate of the course obtains comprehensive information on the etiopathogenesis of periodontal tissue diseases. They will get acquainted with the classification, understand the principles of diagnosis, determine periodontological indices. Can analyze and differentiate between the characteristics of a healthy and a sick periodontium. Understand the principles of prevention and recall system. He gained experience in setting a comprehensive treatment plan. He mastered the basic procedures in the conservative and surgical treatment of periodontal diseases. He can use the

acquired theoretical knowledge when working in the patient's mouth in the outpatient clinic. The graduate of the course obtains comprehensive information about the anatomy, structure and function of the oral mucosa. He gets acquainted with the patient's examination, diagnosis and independently develops a comprehensive treatment plan. He is able to determine the differential diagnosis of the most common individual mucosal diseases and understands the principles of therapy. Understand the principles of primary, secondary and tertiary prevention of diseases of the oral mucosa. He can actively use the acquired theoretical and practical knowledge when working with patients in the dental clinic.

Class syllabus:

Anamnesis, clinical examination of the patient in periodontology. Patient motivation and motivational interview in periodontology. Comprehensive clinical examination of the patient in periodontology. Auxiliary examination methods of the patient in periodontology. Classification of periodontal diseases. Elaboration of a complex terpaeutic plan of the patient in periodontology. Patient therapy management in periodontology. Conservative therapy of periodontal diseases. Surgical therapy of periodontal diseases. Supportive periodontological therapy, patient recall system in periodontology. History, clinical examination of the patient in oral medicine. Comprehensive clinical examination of a patient in oral medicine focused on diseases of the oral mucosa. Auxiliary examination methods of the patient in oral medicine focused on diseases of the oral mucosa. Classification in oral medicine focused on diseases of the oral mucosa. Development of a comprehensive therapeutic plan for patients in oral medicine focused on diseases of the oral mucosa. Management of patient therapy in oral medicine focused on diseases of the oral mucosa. Conservative therapy of mucosal lesions. Surgical therapy of mucosal lesions. Screening, reporting service, dispensarization of a patient with mucosal lesions. Interdisciplinary cooperation with other branches of general medicine.

PRACTICAL EXERCISES: Examination of a patient with periodontal disease, periodontal indices. Diagnostic methods. Therapy of gingivitis and periodontitis. Development of a treatment plan. Scaling, deep scaling + root planing. Full mouth therapy. Therapy of patients with periodontal diseases.

Recommended literature:

Siebert,T.: Parodontitída. Vyd. Aleš Čeněk, Plzeň, ČR, 2022, ISBN: 978-80-7380-895-2.
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, N. P., Lindhe, J.: Clinical Periodontology and Implant Dentistry. 6th Edition. Two volume set. Wiley Blackwell, 2015, ISBN: 978-0-470-67248-8.
Wolf, H. F., Rateitschak, K. M., Hassel, T. M.: Colour Atlas of Dental Medicine. Periodontology. Thieme New York. 2005, ISBN:3-13-675003-9.
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: 10

A	ABS0	B	C	D	E	FX
50,0	0,0	30,0	10,0	10,0	0,0	0,0

Lecturers: doc. MUDr. Tomáš Siebert, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Katarína Adamicová, PhD., MDDr. Ema Škvrndová

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 75

A	ABS0	B	C	D	E	FX
49,33	4,0	29,33	10,67	6,67	0,0	0,0

Lecturers: MUDr. Michal Kalman, PhD., prof. MUDr. Katarína Adamicová, PhD., MUDr. Tomáš Balhárek, PhD., MUDr. Petra Kolenčíková, PhD., MUDr. Juraj Marcinek, PhD., MUDr. Jozef Mičák, PhD., MUDr. Katarína Lešková, PhD., MUDr. Katarína Tobiášová

Last change: 06.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 40

A	ABS0	B	C	D	E	FX
40,0	0,0	42,5	10,0	5,0	2,5	0,0

Lecturers: MUDr. Michal Kalman, PhD., prof. MUDr. Katarína Adamicová, PhD., MUDr. Tomáš Balhárek, PhD., MUDr. Petra Kolenčíková, PhD., MUDr. Juraj Marcinek, PhD., MUDr. Jozef Mičák, PhD., MUDr. Katarína Lešková, PhD., MUDr. Katarína Tobiášová

Last change: 06.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 (100 %).
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. Pathophysiology of consciousness disturbances.
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. Disorders of blood clotting (hemostasis, hemorrhagic conditions, thrombophilic conditions).
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: 75

A	ABS0	B	C	D	E	FX
96,0	4,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Renata Péčová, PhD., MPH, MUDr. Martina Neuschlová, PhD., prof. RNDr. Mariana Brozmanová, PhD., MUDr. Peter Kunč, PhD., Mgr. Danica Jurčáková, PhD., RNDr. Michal Pokusa, PhD.

Last change: 08.09.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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:
Disorders of blood pressure regulation - systemic arterial hypertension, mechanisms of development of primary and secondary hypertension, mechanisms of complications of arterial hypertension. Systemic arterial hypotension – mechanisms, consequences.
Ischemic heart disease (IHD) - mechanisms of development of IHD, mechanisms of electrical and mechanical heart function disorders caused by ischemia, atherosclerosis as the main pathogenic factor of IHD, types of IHD, mechanisms of reperfusion injury. Arrhythmias.
Pathophysiology of heart failure - mechanisms leading to the development and progression of heart failure, mechanisms responsible for systolic and diastolic dysfunction of the heart, for acute and chronic heart failure, for right-sided and left-sided heart failure, mechanisms of heart failure manifestations.
Pathomechanisms of the most common symptoms and signs of cardiovascular diseases.
Disorders of external breathing - mechanisms and causes involved in the onset of ventilation, diffusion, perfusion disorders and changes of ventilation-perfusion ratio; the effect of these disorders on gas exchange in the lungs and on blood gases.
Pathophysiology of obstructive ventilation breathing disorders - pathophysiology of bronchial asthma - etiopathogenesis, manifestations, mechanisms causing gas exchange disorders in the lungs.
Pathophysiology of chronic obstructive pulmonary disease (COPD) – pathogenesis, manifestations, gas exchange disorder.

Hypoxia - causes and mechanisms involved in the development of hypoxia, main types of hypoxia and compensatory mechanisms, the impact of hypoxia on the function of tissues, organs and systems of the organism. Hyperoxia – causes, mechanisms responsible for tissue damage in hyperoxia. Respiratory failure (RF) - causes, types of RF, consequences of RF on the function of body organs and systems.
Pathomechanisms of the most common symptoms and signs of respiratory diseases.
Pathophysiology of glomerular and tubular dysfunctions - causes and mechanisms of glomerular dysfunction, consequences of this disorder on kidney function and homeostasis of the organism; proteinuria, hematuria. Dysfunction of tubular system of the kidney – causes and mechanisms; nephrotic syndrome.
Pathophysiology of acute kidney injury (AKI) and chronic kidney disease (CKD) – etiology, pathogenesis and clinical manifestations; uremic syndrome, mechanisms responsible for multiorgan dysfunction in AKI and CKD.
Pathomechanisms of the most important symptoms and signs of impaired kidney function.
Pathophysiology of gastrointestinal tract disorders – disorders of the esophagus, disorders of the stomach, disorders of the small intestine and colon.
Pathophysiology of liver diseases – types of liver dysfunction, manifestations of liver dysfunction, pathophysiology of selected liver diseases and pathomechanisms of clinical manifestations.
Pathophysiology of endocrine system disorders – general pathomechanisms responsible for hormonal dysfunction; disorders of adrenal medulla and adrenal cortex, disorders of the parathyroids and calcium and phosphorus metabolism, disorders of hypothalamus and pituitary gland, thyroid disease, disorders of the female and male reproductive system.
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: 75

A	ABS0	B	C	D	E	FX
93,33	0,0	2,67	0,0	4,0	0,0	0,0

Lecturers: prof. MUDr. Renata Péčová, PhD., MPH, MUDr. Martina Neuschlová, PhD., prof. RNDr. Mariana Brozmanová, PhD., MUDr. Peter Kunč, PhD., RNDr. Michal Pokusa, PhD.

Last change: 01.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-075/22	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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/2
Method: Face-to-face

Number of credits: 2

Recommended semester: 7.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-034/21 - Dental materials and technologies (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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
Scale of assessment (preliminary/final): Consecutive Evaluation - test: minimum to pass: 65%.
Evaluation: A: 93–100 %, B: 86–92 %, C: 79–85 %, D: 72–78 %, E: 65–71 %, FX: 64 % and less.Rate in final evaluation: 80%. Practical exam – performance of the prescribed tasks in the patient's oral cavity. Rate in the final evaluation: 20%.

Learning outcomes:
Students receive basic information about the oral health and care in young generation. Learn the skills of communication with a pediatric patient. They understand the function of deciduous and mixed dentice. Students manage the problematics of prophylaxy and medicamentous preparation of a child prior to dental treatment. They are able to analyse diseases of hard dental tissues and their complications in deciduous as well as in the young permanent dentice. Students acquire practicals skills in treatment of deciduous teeth and teeth with incomplete development.
Students gain complete knowledge of problematics of anaesthesis and tooth extraction in pediatric patient.
The acquired knowledge is used when dealing with the pediatric patients in dental practice.

Class syllabus:

Oral Health and Care in Young Generation.
Growth and Development of Deciduous Teeth, Determination of the Tooth-Age in Deciduous Dentition.
Role and Functions of Deciduous Dentice, Fluoride and Non-Fluoride Caries Prevention in Children.
Role of the Mixed Dentice.
Incompletely Developed Teeth, Characteristics, Treatment.
Differences Between Deciduous and Permanent Dentice.
Psychoprophylaxy and Psychotherapy in Childhood.
Medicamentous Preparation of a Child Prior to Dental Treatment.
Cariology of Deciduous Dentice, Diagnostics, Initial Phases of Caries and Their Treatment.
RTG Caries Diagnostics.
Anaesthesis in Children, Complications and Resuscitation.
Teeth Extractions in Children, Indications, Complications, Consequences of the Precocious Tooth-Lost.

Recommended literature:

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

Languages necessary to complete the course:

slovak language

Notes:

Past grade distribution

Total number of evaluated students: 29

A	ABS0	B	C	D	E	FX
93,1	0,0	3,45	3,45	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Adriána Petrášová, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková, MDDr. Estera Višňáková

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-086/22	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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

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)

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.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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 - totalpatient 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.
Michaela Seydlová •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: 28

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

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Adriána Petrášová, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková

Last change: 13.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-092/22	Pediatric Dentistry (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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

Number of credits: 2

Recommended semester: 9.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-086/22 - Pediatric Dentistry (2)

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.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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.
Kamínek M. Ortodoncie, Olomouc: Galén, 2020, 246 s. ISBN: 978-80-7492-490-3
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.
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: 20

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

Lecturers: prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Mária Janíčková, PhD., MPH, MUDr. Adriána Petrášová, PhD., MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková, MDDr. Estera Višňáková

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-107/22	Pediatric Dentistry (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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 1/3
Method: Face-to-face

Number of credits: 2

Recommended semester: 10.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-092/22 - Pediatric Dentistry (3)

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.
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 %.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
Scale of assessment (preliminary/final): 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.

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 dental injuries in children and the diagnosis of skeletal fractures in children. Extraction therapy of carious teeth, teeth with perennial inflammation, teeth indicated for extraction for jaw-orthopedic reasons.

Class syllabus:
Indications of outpatient surgery in children. Dental injuries in children. Fractures of the facial skeleton and first aid for injuries to the teeth and bones of the face in children. The graduate is able to provide basic treatment for acute and life-threatening conditions. Comprehensive examination of the patient, diagnosis and design of a treatment plan for a pediatric patient. Extraction therapy of carious teeth, teeth with perennial inflammation, teeth indicated for extraction for jaw-orthopedic reasons.

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

Notes:

Past grade distribution
Total number of evaluated students: 20

A	ABS0	B	C	D	E	FX
80,0	0,0	10,0	10,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Adriána Petrášová, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková, MDDr. Diana Červeňová, MDDr. Ema Škvrndová

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-108/22	Pediatric Dentistry (5)

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

Type, volume, methods and workload of the student - additional information
Block of 4 weeks (120 h), continuous assessment

Number of credits: 6

Recommended semester: 11., 12..

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-107/22 - Pediatric Dentistry (4)

Course requirements:

Learning outcomes:
The graduate masters the principles of psychoprophylaxis and psychotherapy in healthy and non-cooperating children, learns the principles of indication of performance in local and general anesthesia, participates in the diagnosis and treatment of dental pulp diseases in dairy and permanent dentistry. Gains practical and theoretical knowledge in the treatment of non-cooperating children and handicapped children and the treatment of children under general anesthesia.

Class syllabus:
Principles of work with non-cooperating children, examination and treatment of handicapped children. Treatment of children under general anesthesia, complications and resuscitation. Dental development disorders, diagnosis and treatment.

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.
Šedý J. Kompendium stomatologie II. 1. vydanie, Praha: Stanislav Juhaňák, Triton, 2016, 1195 s. ISBN 978-80-7553-220-6
Kamínek M. Ortodoncie, Olomouc: Galén, 2020, 246 s. ISBN: 978-80-7492-490-3

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 10

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

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MUDr. Adriána Petrášová, PhD., doc. MUDr. Mária Janíčková, PhD., MPH, MDDr. Bruno Čalkovský, MDDr. Ladislava Slobodníková, MDDr. Diana Červeňová, MDDr. Michaela Smatanová, PhD.

Last change: 12.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KDD/J-S-ZL-069/19	**Course title:** 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: 56

A	ABS0	B	C	D	E	FX
78,57	0,0	10,71	7,14	1,79	1,79	0,0

Lecturers: prof. MUDr. Peter Bánovčin, CSc., MUDr. Otília Petrovičová, PhD., MUDr. Marek Pršo, PhD., doc. MUDr. Miroslava Brndiarová, PhD., MUDr. Stanislava Suroviaková, PhD., MUDr. Peter Ďurdík, PhD., MUDr. Anna Ďurdíková, PhD., doc. MUDr. Jarmila Vojtková, PhD., doc. MUDr. Zuzana Havlíčeková, PhD., MUDr. Vladimír Zoľák, PhD., doc. MUDr. Ľubica Jakušová, PhD., prof. MUDr. Mgr. Miloš Jeseňák, PhD., MBA

Last change: 06.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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.
Ritter JM, Flower RJ, Henderson G, Loke YK, MacEwan D, Robinson E, Fullerton J. Rang & Dale's Pharmacology. 10th ed. Elsevier; 2023.
Katzung, B.G.: Basic Clinical Pharmacology, 19 th 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: 75

A	ABS0	B	C	D	E	FX
32,0	4,0	32,0	21,33	5,33	5,33	0,0

Lecturers: prof. RNDr. Soňa Fraňová, PhD., prof. MUDr. Mgr. Juraj Mokrý, PhD., prof. MUDr. Martina Šutovská, PhD., PharmDr. Martin Kertys, PhD., doc. MUDr. Marta Jošková, PhD., Mgr. Eduard Gondáš, PhD., Mgr. Matúš Dohál, PhD., PharmDr. Michaela Krivošová, PhD., PharmDr. Nela Žideková, PhD.

Last change: 04.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 two 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.
Ritter JM, Flower RJ, Henderson G, Loke YK, MacEwan D, Robinson E, Fullerton J. Rang & Dale's Pharmacology. 10th ed. Elsevier; 2023.
Katzung, B.G.: Basic Clinical Pharmacology, 19 th 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: 75

A	ABS0	B	C	D	E	FX
65,33	0,0	16,0	5,33	8,0	5,33	0,0

Lecturers: prof. RNDr. Soňa Fraňová, PhD., prof. MUDr. Mgr. Juraj Mokrý, PhD., prof. MUDr. Martina Šutovská, PhD., PharmDr. Martin Kertys, PhD., doc. MUDr. Marta Jošková, PhD., Mgr. Eduard Gondáš, PhD., Mgr. Matúš Dohál, PhD., PharmDr. Michaela Krivošová, PhD., PharmDr. Nela Žideková, PhD.

Last change: 04.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Scope (in hours) - weekly: 1.5
Method Face-to-face

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:

Gúth, A. a kol.: Liečebné metodiky v rehabilitácii. Bratislava: Liečreh, 2011. 402 s.
Gúth, A. a kol.: Vyšetrovacie a liečebné metodiky pre fyzioterapeutov. Bratislava: Liečreh, 1995. 448 s.
Čihák, R.: Anatomie 1. Praha: Grada 2011. 534 s.
Gonzales-Fernandez: Handbook Physical Medicine and Rehabilitation, Springer Publishing CoInc, 2021. 1364 pp.
Kolář, P. a kol.: Rehabilitace v klinické praxi. Praha: Galén, 2012. 713 s.
Maitin, I.: Current Diagnosis and treatment Physical Medicine and Rehabilitation, McGraw-Hill, 2014. 752 pp.
Poděbradský, J., Poděbradská, R.: Fyzikální terapie. Praha: Grada, 2009. 200 s.

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 38

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

Lecturers: MUDr. Janka Hamžíková, MUDr. Miroslava Mikulovská

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚTV/J-S-ZL-TV3/25	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: 0

ABS0	M
0,0	0,0

Lecturers: PaedDr. Jozef Šimeček

Last change: 15.07.2025
Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚTV/J-S-ZL-TV4/25	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: 0

ABS0	M
0,0	0,0

Lecturers: PaedDr. Jozef Šimeček

Last change: 15.07.2025
Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 87

A	ABS0	B	C	D	E	FX
77,01	3,45	19,54	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., MUDr. Zuzana Lazarová, PhD., RNDr. Pavol Mikolka, PhD., RNDr. Nikoleta Mažgútová, PhD.

Last change: 13.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 44

A	ABS0	B	C	D	E	FX
59,09	0,0	15,91	9,09	11,36	4,55	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., RNDr. Nikoleta Mažgútová, PhD.

Last change: 13.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 2/3
Method: Face-to-face

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-034/24 - Digital Technologies and Materials in Dentistry (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.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin. Also, they will be available on faculty website.
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: 40

A	ABS0	B	C	D	E	FX
40,0	7,5	27,5	20,0	5,0	0,0	0,0

Lecturers: doc. MUDr. Mária Janíčková, PhD., MPH, Mgr. Viera Buchová, MDDr. Michaela Smatanová, PhD., MDDr. Bruno Čalkovský, MDDr. Estera Višňáková

Last change: 11.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Lecture/Exercise,
Range (in hours) - weekly: 2/3
Method: Face-to-face

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%.
The condition for completing the course is the fulfillment of a prescribed number of procedures per semester.
Necessary procedures will be published before the start of the academic year on the bulletin boards of the Clinic of Stomatology and Maxillofacial Surgery of Jessenius Faculty of Medicine of Comenius University in the University Hospital Martin and of the teaching workplace of dental medicine (pavilion of Institution of Clinical Biochemistry, ground floor) in University Hospital Martin.
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

Notes:

Past grade distribution

Total number of evaluated students: 64

A	ABS0	B	C	D	E	FX
51,56	0,0	29,69	14,06	1,56	3,13	0,0

Lecturers: doc. MUDr. Mária Janíčková, PhD., MPH, Mgr. Viera Buchová, MDDr. Michaela Smatanová, PhD., doc. MUDr. Tomáš Siebert, PhD., MDDr. Bruno Čalkovský, MDDr. Estera Višňáková

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 45

A	ABS0	B	C	D	E	FX
55,56	6,67	28,89	6,67	0,0	2,22	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MDDr. Kristína Pitáková, PhDr. Libuša Kovalská, MDDr. Michaela Smatanová, PhD.

Last change: 07.04.2022

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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-018/24 - Digital Technologies and Materials in Dentistry (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: 78

A	ABS0	B	C	D	E	FX
48,72	3,85	33,33	12,82	0,0	1,28	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MDDr. Kristína Pitáková, MDDr. Michaela Smatanová, PhD., MDDr. Michal Augustín

Last change: 12.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-042/24	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-034/24 - Digital Technologies and Materials in Dentistry (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: 11

A	ABS0	B	C	D	E	FX
45,45	0,0	36,36	18,18	0,0	0,0	0,0

Lecturers: prof. MUDr. Jarmila Procházková, CSc., MDDr. Kristína Pitáková, MDDr. Michaela Smatanová, PhD., MDDr. Michal Augustín

Last change: 05.08.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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: 38

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., MUDr. Andrea Gurová, PhD.

Last change: 06.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ÚVZ/J-S-ZL-096/20	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.

Educational level: I.II.

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

Recommended prerequisites:
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): 50/50

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: 58

A	ABS0	B	C	D	E	FX
79,31	0,0	17,24	1,72	0,0	1,72	0,0

Lecturers: prof. MUDr. Henrieta Hudečková, PhD., MPH, prof. MUDr. Tibor Baška, PhD., Mgr. Róbert Čecho, PhD., prof. MUDr. Viera Švihrová, CSc., Mgr. Mária Tatarková, PhD., Mgr.

Jana Zibolenová, PhD., Mgr. Eva Malobická, PhD., PhDr. Mgr. Martin Novák, PhD., doc. PhDr. Romana Ulbrichtová, PhD., doc. PhDr. Simona Kelčíková, PhD., Mgr. Eliška Štefanová, PhD.
Last change: 22.08.2025
Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.RK/J-S-ZL-103/22	Radiology

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: 7.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-099/21 - Dental Radiology

Course requirements:
1. Mandatory requirements are: 100 % attendance of clinical practices and at least 7 lectures. It is necessary to write an essay for each missed practicum (the same topic; at least 2000 words). 2. During semester, students can be evaluated by short written test anytime (at least 60 % success rate is mandatory; A: 95 % - 100 %, B: 88 % - 94 %, C: 77 % - 87 %, D: 66 % - 76 %, E: 60 % - 65 %). 3. Practical exam (last practicum) – interpretation of basic pathological findings on X-Ray, ultrasound, CT, MR, DSA and MMG images. 4. Final oral exam (3 questions). No question can be graduated by FX to pass the exam successfully

Learning outcomes:
During radiology classes, students should become familiar with the following:
1. Radiology Fundamentals
Basics of image creation, conventional radiology, CT, AG, PACS.
Principles of radiation protection.
Artificial intelligence in radiology.
Identify X-ray tube components and explain how X-rays are produced.
Explain the principle and common indications for fluoroscopy.
List and describe factors affecting image quality and radiation dose in radiography and fluoroscopy.
Explain how mammography visualizes soft tissue.
Explain the importance of patient positioning (different projections) in standard radiographic techniques (e.g., chest X-ray).
Describe normal organ anatomy on X-ray images.
Explain spatial, temporal, and contrast resolution.
Explain the use of contrast agents in various imaging techniques.
Describe the relative diagnostic value of computed tomography (CT) for different organ systems and indications.
Explain the physical principles of CT image creation.
Describe the Hounsfield unit (HU) scale and the use of different windows in CT evaluation.
List normal HU values for various organs and common pathologies (e.g., hemorrhage, calcifications).

Describe normal organ anatomy on CT.
Describe the principles of digital subtraction angiography (DSA).
Have a basic overview of different image-guided interventional techniques.
Describe the basics of radiology information systems, including PACS and RIS.
List sources and properties of ionizing radiation and radioactive decay.
Explain X-ray generation and its interaction with matter.
Describe the main radiation units, including absorbed dose (Gy) and equivalent dose (Sv).
Understand the principles of Dose Length Product (DLP).
Explain stochastic, deterministic, and teratogenic effects of ionizing radiation.
Describe the impact of ionizing radiation on cells, tissues, and organs, and list the body's repair mechanisms.
List radiation exposure risk levels in medicine and compare them with natural background exposure.
List methods for measuring absorbed dose and permissible limits.
Understand the ALARA principle ("As Low As Reasonably Achievable").
List factors affecting image quality and radiation dose in diagnostic radiology.
Artificial Intelligence (AI) in Radiology
Definitions: Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL), Artificial Neural Network (ANN), Deep Neural Network (DNN).
Principles: supervised, unsupervised, and reinforcement learning; algorithm development; data sharing.
Deep learning applications in radiology: classification, detection, segmentation, image enhancement.
Advantages, risks, and future of AI in radiology.
2. Radiological Imaging in Dentistry
3. Principles and Use of Ultrasound (US) and Magnetic Resonance Imaging (MRI)
Explain the relative value of MRI for different organ systems and indications.
Explain MRI image formation basics.
List common MRI sequences (T2-weighted, T1-weighted, fat suppression such as STIR, FLAIR, diffusion-weighted imaging – DWI).
Describe absolute and relative contraindications for MRI.
Explain safety considerations for patients and staff in the MRI environment.
Describe normal anatomy on MRI.
Explain the relative value of ultrasound for different organ systems and indications.
Describe ultrasound image formation and the tissue properties that influence it.
List types of probes and frequency ranges for various indications.
Know the indications and contraindications for contrast-enhanced ultrasound.
Explain the Doppler effect principle.
Describe normal anatomy on ultrasound.
4. Radiologic Anatomy of the Head and Neck
5. Patient Preparation for Radiologic Examinations and Contrast Agents
Indications for using contrast agents in X-ray, CT, and MRI for various organs and systems.
Typical risks and adverse effects of commonly used iodinated contrast agents (X-ray and CT).
Typical risks and adverse effects of MRI contrast agents.
Basics of contrast use in ultrasound.
Phases and amounts of contrast administration based on the clinical problem.
Risk factors for contrast-induced nephrotoxicity and methods to reduce risk.
Basics of nephrogenic systemic fibrosis (NSF) and methods to reduce risk.
6. Radiology in Cariology, Endodontics, and Periodontology
7. Radiology in Dentoalveolar and Maxillofacial Surgery and Implantology

8. Radiology of Vascular Diseases
9. Interventional Radiology
Normal anatomy and physiology of the arterial and venous system and its relevance in interventional radiology.
Typical endovascular approaches for common diagnoses.
Typical approaches for image-guided biopsies, drain placements, and ablation techniques.
Risks associated with common interventional techniques.
Standard procedures in acute situations, including resuscitation.
Basic indications, contraindications, and limitations of interventional radiology.
10. Radiology in Dental Trauma
11. Radiology of Tumors, Tumor-like Lesions, Inflammatory and Systemic Diseases
12. Radiology of the Temporomandibular Joint (TMJ) and Pediatric Dentistry
13. Radiology in Orthodontics and Prosthodontics

Class syllabus:
1.Radiology: basics of image formation, conventional radiology, CT, angiography, PACS. Principles of radiation protection.
2. Radiological imaging techniques in dental medicine.
3.Principles and uses of ultrasound (US) and magnetic resonance (MR).
4. Radiological anatomy (head and neck).
5. Patient preparation before radiological examination, contrast agents.
6. Radiology in cariology, endodontics, and periodontology.
7. Radiology in dentoalveolar and maxillofacial surgery and implantology.
8. Radiology of vascular diseases.
9. Interventional radiology.
10. Radiology in dental traumatology.
11. Radiology of tumors and tumor-like lesions, inflammatory and systemic diseases.
12. Radiology of the temporomandibular joint (TMJ). Radiology in pediatric dentistry.
13. Radiology in orthodontics and prosthodontics.

Recommended literature:

Languages necessary to complete the course:
Slovak language

Notes:

Past grade distribution
Total number of evaluated students: 29

A	ABS0	B	C	D	E	FX
72,41	0,0	13,79	6,9	3,45	0,0	3,45

Lecturers: doc. MUDr. Kamil Zeleňák, PhD., MUDr. Martin Števík, PhD., MPH, MUDr. Ján Sýkora, PhD., MUDr. Martin Vorčák, PhD., MUDr. Adam Krkoška, MUDr. Anna Lazorová, MUDr. Marianna Nehajová, MUDr. Štefánia Vetešková

Last change: 11.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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., Mgr. Jana Zibolenová, PhD., prof. MUDr. Ján Švihra, PhD., prof. MUDr. Jana Plevková, PhD.

Last change: 22.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Completing the internship without grades (assessment – ABSo)

Number of credits: 3

Recommended semester: 4.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-034/24 - Digital Technologies and Materials in Dentistry (2) and 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: 44

ABS0	M
100,0	0,0

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

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Completing the internship without grades (assessment – ABSo)

Number of credits: 3

Recommended semester: 6.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-034/24 - Digital Technologies and Materials in Dentistry (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-042/24 - Propedeutics of Dental Medicine (5) and JLF.KSMCh/J-S-ZL-044/21 - Dental Protetics (1)

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: 44

ABS0	M
100,0	0,0

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

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.KSMCh/J-S-ZL-064/22	Summer practice in Dental surgery (3)

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

Type, volume, methods and workload of the student - additional information
Completing the internship without grades (assessment – ABSo)

Number of credits: 2

Recommended semester: 8.

Educational level: I.II.

Prerequisites: JLF.KSMCh/J-S-ZL-087/19 - Preventive Dental Medicine (2) and JLF.KSMCh/J-S-ZL-062/18 - Conservative Dentistry, Endodontics (3) and JLF.KSMCh/J-S-ZL-063/18 - Dental Protetics (3) and JLF.KSMCh/J-S-ZL-071/22 - Dentoalveolar and Maxillofacial Surgery (3) and JLF.KSMCh/J-S-ZL-084/24 - Orthodontics (2) and JLF.KSMCh/J-S-ZL-086/22 - Pediatric Dentistry (2)

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: 28

ABS0	M
100,0	0,0

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

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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

Type, volume, methods and workload of the student - additional information
Completing the internship without grades (assessment – ABSo)

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-089/22 - Dentoalveolar and Maxillofacial Surgery (5) and JLF.KSMCh/J-S-ZL-105/22 - Orthodontics (4) and JLF.KSMCh/J-S-ZL-107/22 - Pediatric Dentistry (4) 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

Notes:

Past grade distribution
Total number of evaluated students: 38

ABS0	M
100,0	0,0

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

Last change: 06.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026

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: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ChKTC/J-S-ZL-048/22	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: 3

Recommended semester: 7.

Educational level: I.II.

Prerequisites: JLF.ChKTC/J-S-ZL-027/17 - Surgical Propedeutics (1) and JLF.ChKTC/J-S-ZL-040/21 - Surgical Propedeutics (2)

Course requirements:
Continuous assessment of students takes place in the form of 1 test - minimum passing score: 60%.
Assessment: TEST A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%
Participation in 50% of lectures
Final assessment: A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%

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:
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, 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: 29

A	ABS0	B	C	D	E	FX
75,86	0,0	24,14	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Juraj Miklušica, PhD., prof. MUDr. Anton Dzian, PhD., MUDr. Marek Malík, PhD., MUDr. Marek Adámik, PhD., MUDr. Blažej Palkoci, PhD., MUDr. Ivana Daňová, PhD., MUDr. Miroslav Slezák, PhD., doc. MUDr. Marek Smolár, PhD., MPH, MUDr. Adam Švec, PhD., MUDr. Ján Janík, PhD., MUDr. Anton Mikolajčík, PhD., MUDr. Peter Mikolajčík, PhD., MUDr. Daniel Bolek, MUDr. Miroslav Pindura, MUDr. Martin Grajciar, MUDr. Lukáš Spevák, MUDr. Patrik Horan, MUDr. Martin Vojtko, MUDr. Lenka Juríčková, MUDr. Roman Kyčina, MUDr. Tomáš Jesenský, MUDr. Paula Vašinová

Last change: 18.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

University: Comenius University Bratislava

Faculty: Jessenius Faculty of Medicine in Martin

Course ID:	**Course title:**
JLF.ChKTC/J-S-ZL-056/22	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: 2

Recommended semester: 8.

Educational level: I.II.

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

Course requirements:
Continuous assessment of students takes place in the form of 1 test - minimum passing score: 60%.
Assessment: TEST A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%
Participation in 50% of lectures
Final assessment: A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%

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,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: 28

A	ABS0	B	C	D	E	FX
67,86	0,0	14,29	14,29	3,57	0,0	0,0

Lecturers: doc. MUDr. Juraj Miklušica, PhD., MUDr. Marek Adámik, PhD., MUDr. Blažej Palkoci, PhD., MUDr. Miroslav Slezák, PhD., MUDr. Ivana Daňová, PhD., doc. MUDr. Marek Smolár, PhD., MPH, MUDr. Adam Švec, PhD., MUDr. Michal Hošala, PhD., MUDr. Ján Janík, PhD., MUDr. Anton Mikolajčík, PhD., MUDr. Peter Mikolajčík, PhD., MUDr. Daniel Bolek, MUDr. Miroslav Pindura, MUDr. Martin Grajciar, MUDr. Lukáš Spevák, MUDr. Patrik Horan, MUDr. Martin Vojtko, MUDr. Lenka Juríčková, MUDr. Roman Kyčina, MUDr. Tomáš Jesenský, MUDr. Paula Vašinová, MUDr. Marián Molnár, PhD., MBA, doc. MUDr. Dalibor Murgaš, PhD.

Last change: 18.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 place in the form of 1 test - minimum passing score: 60%.
Assessment: TEST A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%
Participation in 50% of lectures
Final assessment: A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%

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
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,ʹSpringer 2015, 274 pages.

Languages necessary to complete the course:
slovak language

Notes:

Past grade distribution
Total number of evaluated students: 56

A	ABS0	B	C	D	E	FX
82,14	17,86	0,0	0,0	0,0	0,0	0,0

Lecturers: doc. MUDr. Juraj Miklušica, PhD., prof. MUDr. Anton Dzian, PhD., MUDr. Marek Malík, PhD., MUDr. Romana Richterová, PhD., MUDr. Marek Adámik, PhD., MUDr. Blažej Palkoci, PhD., MUDr. Miroslav Slezák, PhD., MUDr. Ivana Daňová, PhD., doc. MUDr. Marek Smolár, PhD., MPH, MUDr. Adam Švec, PhD., MUDr. Michal Hošala, PhD., MUDr. Ján Janík, PhD., MUDr. Anton Mikolajčík, PhD., MUDr. Peter Mikolajčík, PhD., MUDr. Daniel Bolek, MUDr. Miroslav Pindura, MUDr. Martin Grajciar, MUDr. Lukáš Spevák, MUDr. Patrik Horan, MUDr. Martin Vojtko, MUDr. Lenka Juríčková, MUDr. Roman Kyčina, MUDr. Tomáš Jesenský, MUDr. Paula Vašinová, MUDr. Zoltán Cibula, PhD., MUDr. Róbert Dušenka, PhD., MBA, MUDr. Igor Homola, PhD.

Last change: 18.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 place in the form of 1 test - minimum passing score: 60%.
Assessment: TEST A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%
Participation in 50% of lectures
Final assessment: A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%

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: 56

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

Lecturers: doc. MUDr. Juraj Miklušica, PhD., MUDr. Ivana Daňová, PhD., MUDr. Michal Hošala, PhD., MUDr. Anton Mikolajčík, PhD., MUDr. Marek Adámik, PhD., MUDr. Blažej Palkoci, PhD., MUDr. Miroslav Slezák, PhD., doc. MUDr. Marek Smolár, PhD., MPH, MUDr. Adam Švec, PhD., MUDr. Ján Janík, PhD., MUDr. Peter Mikolajčík, PhD., MUDr. Daniel Bolek, MUDr. Miroslav Pindura, MUDr. Martin Grajciar, MUDr. Lukáš Spevák, MUDr. Patrik Horan, MUDr. Martin Vojtko, MUDr. Lenka Juríčková, MUDr. Roman Kyčina, MUDr. Tomáš Jesenský, MUDr. Paula Vašinová, MUDr. Zoltán Cibula, PhD., MUDr. Róbert Dušenka, PhD., MBA, MUDr. Romana Richterová, PhD.

Last change: 18.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 place in the form of 1 test - minimum passing score: 60%.
Assessment: TEST A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%
Participation in 50% of lectures
Final assessment: A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%

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: 75

A	ABS0	B	C	D	E	FX
82,67	0,0	8,0	6,67	0,0	2,67	0,0

Lecturers: doc. MUDr. Juraj Miklušica, PhD., MUDr. Marek Adámik, PhD., MUDr. Blažej Palkoci, PhD., MUDr. Miroslav Slezák, PhD., MUDr. Ivana Daňová, PhD., doc. MUDr. Marek Smolár, PhD., MPH, MUDr. Adam Švec, PhD., MUDr. Michal Hošala, PhD., MUDr. Anton Mikolajčík, PhD., MUDr. Peter Mikolajčík, PhD., MUDr. Daniel Bolek, MUDr. Miroslav Pindura, MUDr. Martin Grajciar, MUDr. Lukáš Spevák, MUDr. Patrik Horan, MUDr. Martin Vojtko, MUDr. Lenka Juríčková, MUDr. Roman Kyčina, MUDr. Ján Janík, PhD., MUDr. Tomáš Jesenský, MUDr. Paula Vašinová

Last change: 18.08.2025

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 place in the form of 1 test - minimum passing score: 60%.
Assessment: TEST 1 and 2 A: 100-91% (19-20 points), B 90-81% (17-18 points), C 80-71% (15-16 points), D 70-61% (13-14 points) E 60% (12 points), Fx less than 60%
Participation in 50% of lectures, successful completion of practical and theoretical exams - theoretical exam consists of 2 questions
Final assessment: A, B, C, D, Fx

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: 40

A	ABS0	B	C	D	E	FX
60,0	0,0	12,5	15,0	0,0	12,5	0,0

Lecturers: doc. MUDr. Juraj Miklušica, PhD., doc. MUDr. Maroš Hrubina, PhD., MUDr. Zoltán Cibula, PhD., MUDr. Marek Adámik, PhD., MUDr. Blažej Palkoci, PhD., MUDr. Miroslav Slezák, PhD., MUDr. Ivana Daňová, PhD., doc. MUDr. Marek Smolár, PhD., MPH, MUDr. Adam Švec, PhD., MUDr. Michal Hošala, PhD., MUDr. Ján Janík, PhD., MUDr. Anton Mikolajčík, PhD., MUDr. Peter Mikolajčík, PhD., MUDr. Daniel Bolek, MUDr. Miroslav Pindura, MUDr. Martin Grajciar, MUDr. Lukáš Spevák, MUDr. Patrik Horan, MUDr. Martin Vojtko, MUDr. Lenka Juríčková, MUDr. Roman Kyčina, MUDr. Tomáš Jesenský, MUDr. Paula Vašinová

Last change: 18.08.2025
Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
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: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026

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 practicals and dissection, minimum 60% success rate in tests. Successful completion of the oral exam.
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 neck and their topographical-anatomical dissection.

Recommended literature:
povinná literatúra:
x Čihák, R. Anatomie 1. Praha: Grada, 2011. 534 s. ISBN 978-80-247-3817-8
x Čihák, R. Anatomie 2. Praha: Avicenum, 2013. 512 s. ISBN 978-80-247-4788-0
x Čihák, R. Anatomie 3. Praha: Grada, 2016. 722s. ISBN 978-80-2475-636-3
x Mráz, P. a kol. Anatómia ľudského tela 1. Bratislava: SAP, 2021. 510 s. ISBN 978-80-896-0789-1
x Mráz, P. et al. Anatómia ľudského tela 2. Bratislava: SAP, 2021. 496 s. ISBN 978-80-896-0792-1
x Paulsen, F. et Waschke, J. Sobotta Atlas of Anatomy (Package). Musculoskeletal system; Internal Organs; Head,Neck and Neuroanatomy; Muscle Tables. Elsevier Science, 2018. 1376 s. ISBN 978-07-020-5268-2
x Klepáček, I., Mazánek, J. a kol. Klinická anatomie ve stomatologii. Praha: Grada, 2001. 331 s. ISBN 80-7169-770-2

x Norton, N. S. Netter's Head and Neck Anatomy for Dentistry. Elsevier, 2012. 659 pages. ISBN 978-14-3772-663-3.
x Lovásová, K. , Kluchová D. Topografická anatómia ťažko prístupných a klinicky významných oblastí hlavy. Typopress, 2010. 184 s. ISBN 978-80-8129-001-5
odporúčaná literatúra:
Schumacher, G. H. Anatómia pre stomatológov. I.–II. Martin: Osveta, 1992. 479 s. ISBN 80-217-0431-4 (I. diel), ISBN 80-217-0435-7 (II. diel)
Hájek, P. Topografická anatomie hlavy a krku. Univerzita Karlova 2017. Dostupné online www: https://publi.cz/books/217/index.html?secured=false#cover
Mráz, P. a kol. Pitevné cvičenia. Martin: Osveta, 1995. 199 s. ISBN 80-217-0550-7
Fehrenbach,M.J. Herring, S.W. Illustrated anatomy of the head and neck. Elsevier, 2012. 317 s. ISBN 978-1-4377-2419-6
Šedý, J.a Foltán, R. Klinická anatomie zubů a čelistí. 1. vyd. Praha: Triton, 2009. 175 s. ISBN 978-80-7387-312-7

Languages necessary to complete the course:
slovak

Notes:

Past grade distribution
Total number of evaluated students: 87

A	ABS0	B	C	D	E	FX
71,26	0,0	16,09	8,05	3,45	1,15	0,0

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

Last change: 14.09.2024

Approved by: doc. MUDr. Mária Janíčková, PhD., MPH, prof. MUDr. Jarmila Procházková, CSc., doc. MUDr. Tomáš Siebert, PhD.