

Course descriptions

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COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KDD/J-S-VL-587/19	Course title: Adolescent Medicine
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / ,5 per level/semester: 7 / 7 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: pediatrics 1	
Course requirements: 90% participation in practical exercises; Examination of adolescents and elaboration of a medical record model at the last practical exercise with active discussion about patient and teacher examination Scale of assessment (preliminary/final): monitoring student activity	
Learning outcomes: The student deepens knowledge about physiological peculiarities of adolescence and pathological states during adolescence and adolescence. They will get acquainted with the evaluation of adolescents' working ability in the choice of study and profession.	
Class syllabus: Profesiography The most common diseases of the endocrine system in adolescents Psychosocial problems in chronically ill adolescents Gynecological problems in adolescents Vaccination in adolescents The most common psychosomatic diseases and neuropsychic problems of adolescent age. GIT functional diseases in adolescents Adolescent tuberculosis Mental disorders in adolescents Gynecological problems in adolescence	
Recommended literature: Jakušová, L., Buchanec,J., Bánovčin, P. a kol. Dorastové lekárstvo. Martin: Osveta, 2014, 607 s. ISBN 978-80-8063-419-3	
Languages necessary to complete the course: English language	
Notes:	

Past grade distribution						
Total number of evaluated students: 4						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Ľubica Jakušová, PhD.						
Last change: 29.03.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KAIM/J-S-VL-585/19	Course title: Algesiology and Paliative Medicine
Educational activities: Type of activities: practicals Number of hours: per week: ,5 per level/semester: 7 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Attendance of 100 % practice workouts and successful completion of final test.	
Learning outcomes: With completion of the subject, student will obtain knowledge: anatomy, physiology and pathophysiology of pain, clinical forms of pain, characteristic of analgetics and their clinical use	
Class syllabus: History of pain management, definition of pain, anatomy, physiology, pathophysiology of pain, clinical types of pain, diagnostics of pain syndromes, analgetics, clinical pain management	
Recommended literature: Dobříková-Porubčanová P. a kol.: Nevyliečiteľne chorí v súčasnosti. Kapitola 10: Ošetrovateľské aspekty v paliatívnej starostlivosti, Spolok svätého Vojtecha, Trnava 2005, s.164-183. Fabuš S., Kulichová M.: Paliatívna a hospicová starostlivosť. Medicínska etika a biotika, Vol 5, 1998, s. 9-11. Ed. Kulichová M.: Algeziológia, EDIS, Žilina, 2005, ISBN 80-8070-445-7, s.299. Kulichová M.: Etické princípy a základné zásady liečby chronickej bolesti. Mozaika hospicovej starostlivosti, Hospice o.z., Martin 2007, ISBN 978-80-969736-2-0 Kulichová M.: Bolesť – definícia, rozdelenie, patofyziológia, klasifikácia a diagnostika. Lek.Obz., 57, 2008, č.1, s. 7 -11. Kulichová M.: Bolesť u onkologického pacienta – diferenciálno-diagnostické spracovanie, ONKOLÓGIA, 5/2007, r.2. s. 287-291. Kulichová M.: Bolesť. In: Dzúrik R., Trnovec T.: Štandardné terapeutické postupy. Osveta Martin, 2001, 2.vydanie, ISBN 80-8063-088-7, s. 760-770. Rokyta R., Kršiak M., Kozák J.: Bolesť, Tigis, Praha, 2006, ISBN: 80-235 00000-0-0, s.684. Slama O., Kabelka L., Vorlíček J.: Paliatívna medicína pro praxi. Praha, Galen, 2007, 1.vydanie, ISBN 978-80-7262-505-5, 362s	
Languages necessary to complete the course: English	
Notes:	

Past grade distribution						
Total number of evaluated students: 104						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Milan Minarik, PhD., prof. MUDr. Beata Drobná Sániová, PhD., MUDr. Denisa Osinová, PhD.						
Last change: 08.04.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KAIM/J-S-VL-558/19	Course title: Anesthesiology and Intensive Medicine
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: 10.	
Educational level: I.II.	
Prerequisites: JLF.KAIM/J-S-VL-606/19 - Emergency Medicine and JLF.ÚFa/J-S-VL-530/21 - Pharmacology (2)	
Course requirements: Attendance of 100 % practice workouts and successful completion of final examination.	
Learning outcomes: With completion of the subject students will obtain following theoretical knowledge and practical experience: history of anesthesia, the role of anesthesia in surgical and diagnostic disciplines, types of anesthesia, practical application of general and regional anesthesia, anesthesia induction and termination, side effects of anesthetic agents, management of critically ill patients, diagnostic procedures, monitoring in intensive care, mechanical ventilation.	
Class syllabus: History of anesthesia, definitions, characteristics, types of anesthesia, pain, clinical pharmacology, management of airways, i.v. access, intravenous anesthetics, inhalational anesthetics, analgetics, muscle relaxants, anesthesia equipments, general anesthesia, regional anesthesia, specific problems of anesthesia in surgical disciplines, one day surgery. History of intensive care and mechanical ventilation, admission of patients to intensive care unit, single and multiple organ failure, monitoring in intensive care, mechanical ventilation, extracorporeal life support systems, palliative medicine, brain death diagnostics.	
Recommended literature: Stoelting RK, Miller RD Basics of anesthesia, fifth edition, Churchill Livingstone Elsevier, Philadelphia, 2007, 697 pp Barash, P.G. et al. Clinical anesthesia. 7th ed., Philadelphia: Lippincott Williams & Wilkins, 2013. Allmann, K.G. Oxford Handbook of Anaesthesia. Oxford: Oxford University Press, 2011. 1309 s. ISBN 978-0-19-958404-8 Marini JJ, Wheeler AP Critical Care Medicine. The Essentials. Lippincott Williams & Wilkins; 4 edition (1 Nov 2009) Bersten AD, Handy JM Oh's Intensive Care Manual, Elsevier; 8 edition, 2018	
Languages necessary to complete the course: English	
Notes:	

Past grade distribution

Total number of evaluated students: 261

A	ABS0	B	C	D	E	FX
26,05	0,0	38,7	19,92	10,34	4,21	0,77

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

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚPF/J-S-VL-633/19	Course title: Basics in Medical Education
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / 1 per level/semester: 7 / 14 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: not applicable	
Course requirements: 100% attendance Assessment of students takes the form of research of original scientific papers concerning innovations and trends in medical education. Rating: A: 100-91%, B: 90-82%, C: 81-73%, D: 73-68%, E: 67-60%, FX 59% and less Scale of assessment (preliminary/final): final evaluation	
Learning outcomes: Graduates understand the latest principles of medical education, understand its goals, outcomes, know the role of teachers in medical education, know different forms of curriculum formation, new active forms of education at medical faculties in theoretical, preclinical and clinical disciplines. It is anticipated that in the future graduates of the subject will consider the career of university teachers at the Faculty of Medicine.	
Class syllabus: Specifics of education in adulthood, the principle of university didactics. Goals and outcomes of undergraduate medical education. Creation of modern medical education curriculum Teacher in medical education Traditional and active forms of medical education (lectures, teaching in small groups, team-based learning, project-based learning, problem-based learning, case-based learning) Technology-based education (simulation, e-learning, virtual patients). Peer to-peer-teaching - mutual learning in practice. Assessment methods in medical education, objective evaluation of OSCE clinical skills Specific bedside teaching, clinical reasoning in teaching, the role of reflection in learning Research in medical education	
Recommended literature:	

Hanáček, Mokřý a spol. Trendy v medicínskom vzdelávaní a hodnotenie jeho výsledkov, Osveta, 2018, 255 s.
Dent JA, Harden RM. A Practical Guide for Medical Teachers. 5th ed. Churchill Livingstone Elsevier, 2013. 424 s.
Harden RM, Laidlaw JM. Essential Skills for a medical teacher 2e. An introduction to teaching and learning medicine. Churchill Livingstone Elsevier. 2016. 304 s.
AMEE and BEME Educational Guides

Languages necessary to complete the course:

English language

Notes:

Past grade distribution

Total number of evaluated students: 0

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

Lecturers: prof. MUDr. Jana Plevková, PhD.

Last change: 29.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.IKG/J-S-VL-632/19	Course title: Clinical Gastroenterology
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: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Internal Medicine 4	
Course requirements: Minimal 80 % of practical exercises and rating of activity and of interest about gastroenterological diagnostic procedures and skilling and finesse. Rating: A 90-100%, B 80- 90 %, C 70-80%, D 60 -70 %, E 50-60%, Fx -less 50%	
Learning outcomes: Results of education. Ability: <ol style="list-style-type: none"> 1. Take of medical history and physical examination of patients with GI diseases. 2. Physical examination and indication of GI diagnostic procedures. 3. Real assistance at gastroscopy. 4. Real assistance at colonoscopy. 5. Assistance at endoscopic - ultrasonography. 6. Assistance at examination of gastric acid secretion, and ph metry and densitometry of esophagus. 7. Visit and hepatologic stage at Transpanmtation Unit in Rooswelt Hospital, Banská Bystrica. 8. Final consultation and Grading of classified credit. 	
Class syllabus: Practical exercise: <ol style="list-style-type: none"> 1. Take of medical history and physical examination of patients with GI diseases. 2. Physical examination and indication of GI diagnostic procedures. 3. Real assistance at gastroscopy. 4. Real assistance at colonoscopy. 5. Assistance at endoscopic - ultrasonography. 6. Assistance at examination of gastric acic secretion, and ph metry and densitometry of esophagus. 7. Visit and hepatologic stage at Transpanmtation Unit in Rooswelt Hospital, Banská Bystrica. 8. Final consultation and Grading of classifield credit. 	
Recommended literature:	

Languages necessary to complete the course:						
Notes:						
Past grade distribution						
Total number of evaluated students: 48						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: MUDr. Peter Hyrdel, PhD., prof. MUDr. Rudolf Hyrdel, CSc.						
Last change: 30.03.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KDD/J-S-VL-582/19	Course title: Clinical Immunology
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / ,5 per level/semester: 7 / 7 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Passing a theoretical part and practical training during the lectures from clinical immunology	
Learning outcomes: Student will acquire the information about the content of clinical immunology and allergology, overview about the principal objects of clinical immunology, acquire the overview of the specificities of laboratory diagnostics of immune-mediated diseases, get know the specificities of management of selected immune-mediated diseases (especially inborn and acquired immunodeficiencies, autoinflammatory diseases and periodic fever syndromes, angioedemas, selected forms of allergic diseases), get the overview about the vaccination in special situations. The content of the lectures will reflect also the actual situation in the medicine and society and the students will be informed about the most actual hot topics from the field of clinical immunology.	
Class syllabus: Clinical immunology and allergology – content of subject, objects of interests Anaphylaxis – principles of management with practical training of rescue medication application Functional respiratory diagnosis, inflammometry in the management of immune-mediated respiratory diseases, practical example of spirometric examination Diagnostic algorithms of allergic diseases – laboratory testing, skin tests, exposure test, sensitivity and specificity of particular tests, limitations and indications for testing, practical example of skin testing Biologic therapy and its use in the management of immune-mediated diseases Periodic fever syndromes and autoinflammatory diseases – classification, pathophysiology, diagnostic approach, management, case reports analysis Primary and secondary immunodeficiencies – classification, diagnostic, clinical picture, management strategies, treatment options, case reports analysis Vaccination in special situations Actualities in the field of clinical immunology in the context of actual situation in the medicine and society	
Recommended literature:	

Abbas A. et al. Basic Immunology, 6th Edition, 2019. Buc M. et al. Basic and Clinical Immunology. 4th Edition, 2020. Chapel H. et al. Essential of Clinical Immunology, 5th Edition, 2014.						
Languages necessary to complete the course: English language						
Notes:						
Past grade distribution Total number of evaluated students: 19						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Mgr. Miloš Jeseňák, PhD., MBA						
Last change: 17.03.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚMI/J-S-VL-607/19	Course title: Clinical Microbiology
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: 9.	
Educational level: I.II.	
Prerequisites: JLF.ÚMI/J-S-VL-518/17 - Microbiology (2)	
Course requirements: - it is obligatory to be present at practicals (1 absence is tolerated) - oral presentation according the schedule Evaluation - evaluation of students Scale of assessment (preliminary/final): 0% / 100%	
Learning outcomes: The student receives information from clinical microbiology, direct and indirect detection of infectious diseases that he is able to use during diagnostical process of different systems infections. Student is able to apply them in differential diagnosis of infection in different patients groups (fetus, newborn, infant, adult, immunocompromised, geriatric).	
Class syllabus: - Medical bacteriology - Medical virology - Medical parasitology - Medical mycology - Etiology of infections of respiratory tract - Etiology of infections of gastrointestinal tract - Etiology of infections of urogenital tract - Etiology of infections of skin and soft tissue - Etiology of infections of NS - Etiology of infections of liver, bloodstream and other organs (eye, ear, bones ...) Pathogenesis of infections Modern diagnostical approaches and their use and interpretation	
Recommended literature: Bednář M a kol. Lékařská mikrobiologie. Praha: Marvil 1996; 558 s. Učebné texty na MEFANETe http://portal.jfmed.uniba.sk/lekarske-discipliny.php?disid=119 a web stránke Ústavu mikrobiológie a imunológie Greenwood D, Barer M, Slack R, Irwing W. Medical Microbiology Eighteenth Edition. Edinburgh: Elsevier Saunders 2012; pp. 778. Murray PR, Rosenthal KS, Pfaller MA. Medical Microbiology Seventh Edition. Philadelphia: Elsevier Saunders 2013; pp. 874. Neuschlová, M., Kompaníková, J., Sadloňová, V., Nováková, E.: Immunology – basic laboratory tests. Martin : Portal JLF UK 2021; 152 s. ISBN 978-80-8187-110-8. https://portal.jfmed.uniba.sk/articles.php?aid=450 .	

<p>Neuschlová, M., Nováková, E., Kompaníková, J., Sadloňová, V.: A to Z Glossary of Immunological Terms. Martin : Portal JLF UK 2021; 80 s. ISBN 978-80-8187-088-0. https://portal.jfmed.uniba.sk//articles.php?aid=435. Carey A.R. a kol. Lékařská mikrobiologie v klinických případech Praha, Stanislav Juhaňák Triton, 2011.</p>						
<p>Languages necessary to complete the course: English</p>						
<p>Notes:</p>						
<p>Past grade distribution Total number of evaluated students: 4</p>						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
<p>Lecturers: doc. MUDr. Elena Nováková, PhD., MUDr. Jana Kompaníková, PhD., MUDr. Martina Neuschlová, PhD., MUDr. Vladimíra Sadloňová, PhD.</p>						
<p>Last change: 07.04.2022</p>						
<p>Approved by:</p>						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚPF/J-S-VL-583/19	Course title: Clinical Pathophysiology
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / ,5 per level/semester: 7 / 7 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites: JLF.ÚPF/J-S-VL-536/17 - Pathological Physiology (2)	
Course requirements: Completion of all educational activities. Presentation of case report (examination of patients at Clinic of Internal Medicine I. or Clinic of Gastroenterological Internal Medicine within the teaching of internal medicine or virtual case reports). Scale of assessment (preliminary/final): Scale of assessment (preliminary/final): 100/0	
Learning outcomes: The student is able to interpret the symptoms and signs and basic laboratory tests of diseases of the cardiovascular system, respiratory system, hematological system, kidneys, gastrointestinal system and other systems of the organism.	
Class syllabus: Introduction to clinical pathophysiology. Disturbances of acid-base balance. Pathophysiology of gastrointestinal system: pathophysiology of selected diseases, laboratory findings. Pathophysiology of renal system: pathophysiology of selected diseases, laboratory findings. Pathophysiology of cardiovascular system: pathophysiology of selected diseases, ecg changes. Pathophysiology of hematologic system: pathophysiology of selected diseases, laboratory findings. Case reports.	
Recommended literature: Berkowitz A. Clinical Pathophysiology Made Ridiculously Simple. Medmaster, 2021. 222 s. ISBN 978-1935-660-44-6 Silbernagl S., Lang F. Color Atlas of Pathophysiology. Thieme, Stuttgart, 2016. 448 s. ISBN 978-3131-165-53-4	
Languages necessary to complete the course:	
Notes:	

Past grade distribution						
Total number of evaluated students: 117						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Renata Pěčová, PhD., MPH, MUDr. Martin Ďuriček, PhD., doc. MUDr. Matej Samoš, PhD., prof. MUDr. Ivana Dedinská, PhD., doc. MUDr. Juraj Sokol, PhD.						
Last change: 18.03.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023						
University: Comenius University Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚFa/J-S-VL-581/19			Course title: Clinical Pharmacology			
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: 10.						
Educational level: I.II.						
Prerequisites: JLF.ÚFa/J-S-VL-530/21 - Pharmacology (2)						
Course requirements: Presentation of clinical study, presence at min 4 seminars, compensation in compensatory week Scale of assessment (preliminary/final): 100/0						
Learning outcomes: The student knows basic principles of clinical pharmacology and use of drugs in clinical conditions, respecting the rules of evidence-based medicine (the most recent guidelines and recommendations).						
Class syllabus: Antibiotics in clinical practice. Hypertension and its treatment. Atherosclerosis and its treatment. Osteoporosis and its treatment. New trends in the treatment of bronchial asthma vs. COPD. Current aspects to pharmacoeconomics. Pharmacotherapy of pain. Case studies: Diabetes mellitus. Antimicrobial therapy. Antithrombotic and anticoagulant therapy. Therapy of some cardiovascular diseases. Pharmacotherapy in childhood. Clinical Pharmacology of mental disorders.						
Recommended literature: Rang HP, Dale MM, Ritter JM.: Pharmacology. 9th ed., Churchill Livingstone, 2019. Rang HP, Dale MM: Pharmacology. 8th ed., Churchill Livingstone, 2015. Katzung, B.G.: Basic Clinical Pharmacology, 15th edition, New York : McGraw-Hill, 2015. Katzung, B.G.: Basic Clinical Pharmacology, 19 th edition, New York : McGraw-Hill, 2021. www.ema.europa.eu						
Languages necessary to complete the course: English						
Notes:						
Past grade distribution Total number of evaluated students: 115						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. MUDr. Mgr. Juraj Mokry, PhD., doc. MUDr. Martina Šutovská, PhD., prof. RNDr. Soňa Fraňová, PhD., doc. MUDr. Marta Jošková, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.PK/J-S-VL-626/18	Course title: Communication in Clinical Practice (2)
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: 9.	
Educational level: I.II.	
Prerequisites: JLF.PK/J-S-VL-625/18 - Communication in Clinical Practice (1)	
Course requirements: Requirements for evaluation: 1. The participation in practicals is compulsory for at least 6-times (12 hours) 2. Check in the course of practicals: - Evaluation till the end of 14th week: active participation in practicals; permanent study check (control questions); examination of patients, case reports and analysis - in written form (specific communication problem solving in different branch of medicine) Evaluation of the results of running controls: A/1 = 93 – 100 %; B/1,5 = 86 – 92 %; C/2 = 79 – 85 %; D/2,5 = 72 – 78 %; E/3 = 65 – 71 %, Fx = less than 65 %	
Learning outcomes: A student shall understand the specific aspects of potentially difficult situations that may in interaction doctor – patient occur. A student shall understand the specifics of outpatient and inpatient care, the communication with long-term and chronically ill patients, with handicapped patients. A student shall handle the reporting of bad messages or messages with infaust prognosis. A student shall understand and handle the specifics of communication in different development stages - childhood and senium. A student shall handle the specifics of communication with the internal medicine and polymorbid patient, surgical patients and psychological specifics of communication in obstetrics and gynecology. A student shall understand and handle the specifics of communication with so-called problematic group of patients, for example with intoxicated and addicted patients, with personality disorder patients. A student shall understand the psychological aspects of patient´s complaints, their relatives and communication skills in a medical team.	
Class syllabus: I. practical exercises	

Specifics of communication with somatically ill patient in child age and adolescence. Communication with parents. Specifics of communication in child psychiatry.
 II. practical exercises
 Specifics of communication with internal medicine patient, polymorbid patient and seniors.
 III. practical exercises
 Specifics of communication with surgical patient.
 IV. practical exercises
 Specifics of communication in obstetrics and gynecology.
 V. practical exercises
 Communication with intoxicated and addicted patient. Communication with personality disorder patient.
 VI. practical exercises
 Communication with seriously ill and dying patient. Communication with oncological patient. Reporting of negative/adverse messages. Communication with relatives.
 VII. practical exercises
 Communication with physical disability patient. Communication with sensory disability patient.

Recommended literature:

x McManus, I. C., Richards, P. Psychology in Medicine. Oxford: Butterworth-Heinemann Ltd., 1992. 327 s. ISBN 0-7506-0496-4 x Ayers, S., Visser R. Psychology for medicine. Sage, Los Angeles: SAGE, 2011. 530 s. ISBN 9781412946919 x Lloyd, M., Bor, R. Communication skills for medicine. Edinburgh: Elsevier, 2009. 212 s. ISBN 978-07020-3058-1 Alder, B. et.al. Psychology and sociology applied to medicine. 3rd ed. Edinburgh: Elsevier, 2009. 182 s. Buckman, R. How to Break Bad News: A Guide for Health Care Professionals The Johns Hopkins University Press, Baltimore, 1992, 240 s. ISBN 978-0801844911 Tate, P. The doctor 's Communication Handbook. Radcliffe Publishing Ltd; 6th revised edition, 200 s. ISBN 978-1846193927 Beran, J., Sumcovová,P. Introduction to Medical Psychology – Doctor – Patient Communication. Praha: Karolinum, 1. vyd., 2005. 156 s. ISBN 80-246-0983-5 Čaplová, T., Fleischer,J. Pečeňák,J.,Vajdičková,K., Žucha, I. Clinical Problems of Medical Psychology. Bratislava: Comenius University, 1995, 83 s. ISBN 80-223-0931-1 Žucha, I. Čaplová, T., Fleischer, J. Vajdičková, K. Medical Psychology. Bratislava: Comenius University, 1994. 90 s. ISBN 80-223-0797-1

Languages necessary to complete the course:

english

Notes:

Past grade distribution

Total number of evaluated students: 344

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

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KHT/J-S-VL-595/22	Course title: Diploma Thesis Seminar (2)
Educational activities: Type of activities: seminar Number of hours: per week: per level/semester: 80s Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Submission of final thesis outline. Scale of assessment (preliminary/final): continuous	
Learning outcomes: A student is able to choose relevant documents and information related to the given topic, he/she is able to work with literature and knows how to cite it correctly. He/she can gather and process research material (according to the aim of a thesis).	
Class syllabus: Becoming familiar with the content of the documents obtained in the information retrieval in details, reading, studying. Selection of relevant documents and information for further processing. Ways of citations. Method of diploma thesis elaboration (information gathering and processing) according to the aim of a thesis). Thesis elaboration – final thesis outline, layout of the material into content-related units. Independent research work of students – according to the aim of a thesis. Consultations.	
Recommended literature: In each student individually according to the diploma thesis assignment Internal Regulation No. 12/2013 Guideline of the Rector of Comenius University in Bratislava on the Basic Essentials of Theses, Rigorous Theses and Habilitation Theses, Check of Their Originality, Their Storage and Accessing at Comenius University in Bratislava Internal Regulation No. 43/2013 Decision of the Dean of the Jessenius Faculty of Medicine in Martin CU on Theses (bachelor's and master's) of students of JFMED CU in Martin Hanacek J, Javorka K et al. Introduction to Scientific Work. Textbook for Medical Students. ŠEVT a.s., Bratislava, 2011. 196 p. ISBN 978-80-88866-95-4.	
Languages necessary to complete the course: English language	
Notes:	

Past grade distribution	
Total number of evaluated students: 7	
ABS0	M
100,0	0,0
<p>Lecturers: MUDr. Ladislav Šutiak, PhD., prof. MUDr. Andrea Čalkovská, DrSc., prof. MUDr. Michal Javorka, PhD., prof. MUDr. Kamil Javorka, DrSc., prof. MUDr. Daniela Mokra, PhD., prof. MUDr. Ingrid Tonhajzerova, PhD., prof. MUDr. Henrieta Hudečkova, PhD., MPH, prof. MUDr. Tibor Baška, PhD., prof. MUDr. Viera Švihrova, CSc., doc. Ing. Viera Jakušova, PhD., MPH, PhDr. Marta Tkáčova, PhD., Ing. Stanislav Kuka, PhD., Mgr. Eva Malobicka, PhD., Mgr. Martin Novak, PhD., Mgr. Miroslava Sovičova, PhD., Mgr. Robert Čecho, PhD., Mgr. Maria Tatarkova, PhD., Mgr. Eliška Štefanova, PhD., prof. RNDr. Soňa Fraňova, PhD., doc. MUDr. Martina Šutovska, PhD., prof. MUDr. Mgr. Juraj Mokry, PhD., doc. MUDr. Marta Joškova, PhD., PharmDr. Martin Kertys, PhD., prof. MUDr. Miloš Tatar, CSc., prof. MUDr. Renata Pěčova, PhD., MPH, prof. MUDr. Jana Plevkova, PhD., prof. RNDr. Mariana Brozmanova, PhD., MUDr. Tomas Buday, PhD., prof. MUDr. Ludovit Laca, PhD., MUDr. Michal Hošala, PhD., MUDr. Jan Janik, PhD., doc. MUDr. Marek Smolar, PhD., MPH, prof. MUDr. Jan Staško, PhD., prof. MUDr. Peter Kubisz, DrSc., MUDr. Lenka Lisa, PhD., doc. MUDr. Juraj Sokol, PhD., MUDr. Lucia Stančiakova, PhD., MUDr. Tomas Šimurda, PhD., RNDr. Jana Źolkova, PhD., doc. MUDr. Vladimir Čalkovsky, PhD., prof. MUDr. Andrej Hajtman, PhD., prof. MUDr. Dušan Meško, PhD., prof. MUDr. Mirko Zibolen, CSc., prof. MUDr. Katarina Maťašova, PhD., MUDr. Tomas Jurko, PhD., prof. MUDr. Branislav Kolarovszki, PhD., MBA, MUDr. Romana Richterova, PhD., prof. MUDr. Egon Kurča, PhD., FESO, doc. MUDr. Vladimir Nosal', PhD., FESO, doc. MUDr. Štefan Sivak, PhD., doc. MUDr. Ema Kantorova, PhD., MUDr. Monika Turčanova Kopruřakova, PhD., prof. MUDr. Lukas Plank, CSc., prof. MUDr. Katarina Adamicova, PhD., MUDr. Tomas Balharek, PhD., MUDr. Jozef Mičak, PhD., MUDr. Petra Kolenčikova, PhD., Ing. Marcel Veternik, PhD., MUDr. Jaroslav Fabry, PhD., MUDr. PhDr. Igor Hrtanek, PhD., MUDr. Miloslav Oppa, PhD., RNDr. Maria Kovalska, PhD., RNDr. Veronika Meřtanova, PhD., MUDr. Anna Bobčakova, MUDr. Jan Červeň, MUDr. Luboř Hamada, doc. MUDr. Robert Vyřehradsky, PhD., MUDr. Ivana Źiačikova, MUDr. Robert Rosoľanka, PhD., doc. MUDr. Katarina Šimekova, PhD., doc. MUDr. Kamil Biringer, PhD., prof. MUDr. Jan Danko, CSc., MUDr. Michaela Hrtankova, PhD., MUDr. Ivana Chmurna, PhD., MUDr. Petra Kasajova, PhD., MUDr. Štefan Krivuř, CSc., doc. MUDr. Erik Kudela, PhD., MUDr. Zuzana Laučekova, PhD., MUDr. Jana Sivakova, PhD., MUDr. Imrich Źigo, CSc.</p>	
Last change: 08.03.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KHT/J-S-VL-596/22	Course title: Diploma Thesis Seminar (3)
Educational activities: Type of activities: seminar Number of hours: per week: per level/semester: 80s Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Fulfilment of particular parts of thesis outline in the form of material from the study and/or research (according to the aim of thesis). Scale of assessment (preliminary/final): continuous	
Learning outcomes: A student is able to choose relevant documents and information related to the given topic, he/she is able to work with literature and knows how to cite it correctly. He/she can gather and process research material (according to the thesis topic). A student is able to create a text as far as formal requirements and content are concerned.	
Class syllabus: Becoming familiar with the content of other documents obtained in the information retrieval in details, reading, studying. Selection of relevant documents and information for further processing. Summarizing the bibliography. Thesis elaboration – filling the particular parts of a final outline of thesis with material from the study and research (according to the aim of a thesis), thesis text elaboration. Preparation of documentation related to thesis – bibliography, illustrations, tables. Independent research work of students – according to the aim of a thesis. Consultations.	
Recommended literature: In each student individually according to the diploma thesis assignment Internal Regulation No. 12/2013 Guideline of the Rector of Comenius University in Bratislava on the Basic Essentials of Theses, Rigorous Theses and Habilitation Theses, Check of Their Originality, Their Storage and Accessing at Comenius University in Bratislava Internal Regulation No. 43/2013 Decision of the Dean of the Jessenius Faculty of Medicine in Martin CU on Theses (bachelor's and master's) of students of JFMED CU in Martin Hanacek J, Javorka K et al. Introduction to Scientific Work. Textbook for Medical Students. ŠEVT a.s., Bratislava, 2011. 196 p. ISBN 978-80-88866-95-4.	
Languages necessary to complete the course: English language	
Notes:	

Past grade distribution	
Total number of evaluated students: 0	
ABS0	M
0,0	0,0
<p>Lecturers: MUDr. Ladislav Šutiak, PhD., prof. MUDr. Andrea Čalkovská, DrSc., prof. MUDr. Michal Javorka, PhD., prof. MUDr. Kamil Javorka, DrSc., prof. MUDr. Daniela Mokra, PhD., prof. MUDr. Ingrid Tonhajzerova, PhD., prof. MUDr. Henrieta Hudečkova, PhD., MPH, prof. MUDr. Tibor Bařka, PhD., prof. MUDr. Viera Švihrova, CSc., doc. Ing. Viera Jakuřova, PhD., MPH, PhDr. Marta Tkačova, PhD., Ing. Stanislav Kuka, PhD., Mgr. Eva Malobicka, PhD., Mgr. Martin Novak, PhD., Mgr. Miroslava Sovičova, PhD., Mgr. Robert ečo, PhD., Mgr. Maria Tatarkova, PhD., Mgr. Eliřka řtefanova, PhD., prof. RNDr. Soňa Fraňova, PhD., doc. MUDr. Martina řutovska, PhD., prof. MUDr. Mgr. Juraj Mokry, PhD., doc. MUDr. Marta Jořkova, PhD., PharmDr. Martin Kertys, PhD., prof. MUDr. Miloř Tatar, CSc., prof. MUDr. Renata Pečova, PhD., MPH, prof. MUDr. Jana Plevkova, PhD., MUDr. Tomař Buday, PhD., prof. RNDr. Mariana Brozmanova, PhD., prof. MUDr. Ľudovit Laca, PhD., MUDr. Michal Hořala, PhD., MUDr. Jan Janik, PhD., doc. MUDr. Marek Smolar, PhD., MPH, prof. MUDr. Jan Stařko, PhD., prof. MUDr. Peter Kubisz, DrSc., MUDr. Lenka Lisa, PhD., doc. MUDr. Juraj Sokol, PhD., MUDr. Lucia Stančiakova, PhD., MUDr. Tomař řimurda, PhD., RNDr. Jana řolkova, PhD., doc. MUDr. Vladimir alkovsky, PhD., prof. MUDr. Andrej Hajtman, PhD., prof. MUDr. Duřan Meřko, PhD., prof. MUDr. Mirko Zibolen, CSc., prof. MUDr. Katarina Mařařova, PhD., MUDr. Tomař Jurko, PhD., prof. MUDr. Branislav Kolarovszki, PhD., MBA, MUDr. Romana Richterova, PhD., prof. MUDr. Egon Kurča, PhD., FESO, doc. MUDr. Vladimir Nosal', PhD., FESO, doc. MUDr. řtefan Sivak, PhD., doc. MUDr. Ema Kantorova, PhD., MUDr. Monika Turčanova Kopruřakova, PhD., prof. MUDr. Lukař Plank, CSc., prof. MUDr. Katarina Adamicova, PhD., MUDr. Tomař Balharek, PhD., MUDr. Jozef Mičak, PhD., MUDr. Petra Kolenčikova, PhD., MUDr. Jaroslav Fabry, PhD., MUDr. PhDr. Igor Hrtanek, PhD., MUDr. Miloslav Oppa, PhD., RNDr. Maria Kovalska, PhD., RNDr. Veronika Meřťanova, PhD., MUDr. Jan Hudeček, CSc., MUDr. Anna Bobčakova, MUDr. Jan erveň, MUDr. Ľuboř Hamada, doc. MUDr. Robert Vyřehradsky, PhD., MUDr. Ivana řiačikova, MUDr. Robert Rosoľanka, PhD., doc. MUDr. Katarina řimekova, PhD., doc. MUDr. Kamil Biringer, PhD., prof. MUDr. Jan Danko, CSc., MUDr. Michaela Hrtankova, PhD., MUDr. Ivana Chmurna, PhD., MUDr. Petra Kasajova, PhD., MUDr. řtefan Krivuř, CSc., doc. MUDr. Erik Kudela, PhD., MUDr. Zuzana Laučekova, PhD., MUDr. Jana Sivakova, PhD., MUDr. Imrich řigo, CSc.</p>	
Last change: 08.03.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚVZ/J-S-VL-594/19	Course title: Disaster 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: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.ÚVZ/J-S-VL-617/19 - Public Health (1)	
Course requirements: EVALUATION OF THE COURSE Requirements to successfully complete the course: To compete the course, two basic conditions should be fulfilled: 1. active attendance: compulsory attendance – in case of absence, the student should substitute the missing through consultation with the respective teacher 14x2 (28 points) 2. two well arranged preparations from the proposed themes (as PowerPoint presentations) and their presentation during the practicals (each 36 points; 72 points in total) Final evaluation (max. 100 points): Achieved points Evaluation 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) At least 60 points in total evaluation are needed to compete the course. Scale of assessment (preliminary/final): 0/100	
Learning outcomes: After completion of the subject the student understands - kinds of injuries in natural and man-made disasters - risks of emergent situation on local, regional, national and international level - problem of preparedness and public health measures to deal with emergent situations as well as their management -international health regulations -basic characteristics of flu pandemic preparedness	
Class syllabus:	

Public health and disaster medicine. Management in emergent situations. Integrated rescue system. International health regulations. Planned measures in Slovak Republic in a case of event liable to international regulations. Pandemic preparedness and international cooperation in emergent situations. Disasters with predominant chemical effect. Psychological impact of disasters, human stampede, ethical aspects of disaster medicine. War medicine and terrorism. Nuclear, industrial, natural and humanitarian disasters.						
Recommended literature: OBLIGATORY LITERATURE moodle.uniba.sk MacGarty, D., Nott, D.: Disaster Medicine. A Case Based Approach. London: 390 p. Springer. ISBN 978-1-4471-4423-6. https://link.springer.com/book/10.1007/978-1-4471-4423-6 RECOMMENDED LITERATURE http://www.who.int/topics/ www.ecohealth101.org http://www.ecdc.europa.eu						
Languages necessary to complete the course: english						
Notes:						
Past grade distribution Total number of evaluated students: 19						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Tibor Baška, PhD., Mgr. Mária Tatarková, PhD., prof. RNDr. Soňa Fraňová, PhD.						
Last change: 07.04.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023						
University: Comenius University Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.KAIM/J-S-VL-606/19		Course title: Emergency 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: 9.						
Educational level: I.II.						
Prerequisites: JLF.IKG/J-S-VL-539/19 - Internal Medicine (1) and JLF.ÚFa/J-S-VL-529/21 - Pharmacology (1)						
Course requirements: Attendance of 100 % on practicals and successful completion of final test.						
Learning outcomes: By completing the course the students will gain knowledge and skills in the field of basic physical examination, modified to the conditions of emergency medicine, cardiopulmonary resuscitation and stabilization of basic vital functions. Students will acquire practical skills to proceed in individual life-threatening conditions and acquire theoretical skills in the organization of work in pre-hospital care in events with mass casualty accidents.						
Class syllabus: Basic life support, advanced life support, arrhythmia management, management of airways and breathing, acute coronary syndromes, respiratory failure, injuries, mass accidents, organisation of prehospital care						
Recommended literature: ERC guidelines 2021 https://cprguidelines.eu/guidelines-translations Oxford Handbook Of Emergency Medicine						
Languages necessary to complete the course: Slovak / English Language						
Notes:						
Past grade distribution Total number of evaluated students: 363						
A	ABS0	B	C	D	E	FX
32,78	0,0	31,4	16,53	12,4	6,89	0,0
Lecturers: doc. MUDr. Milan Minarik, PhD., prof. MUDr. Beata Drobná Sániová, PhD., MUDr. Denisa Osinová, PhD.						

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚSLME/J-S-VL-577/19	Course title: Forensic Medicine and Medical Legislative
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 28 / 14 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites: JLF.ÚPA/J-S-VL-534/17 - Pathological Anatomy (2)	
Course requirements: Exam	
Learning outcomes: Students are able to evaluate various forms of violence towards the human beings, even with the application of marginal forensic disciplines (toxicology, serology, criminalistics, ballistics, 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 offenders or victims. The information pool of forensic medicine should be applied by the student also in the other medical disciplines.	
Class syllabus: I. Autopsy. II. Forensic thanatology. III. Administrative and practical tasks on the crime scene investigation. IV. Basics of forensic alcoholology 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: Buris, L.: Forensic Medicine. Springer Vrlg., 1993, 416 pp DiMaio, V.J., DiMaio, D.: Forensic Pathology, CRC Press, Washington, D.C., 2001, 565 pp	
Languages necessary to complete the course: English	
Notes:	

Past grade distribution						
Total number of evaluated students: 348						
A	ABS0	B	C	D	E	FX
46,26	0,0	34,77	10,63	6,61	1,72	0,0
Lecturers: prof. MUDr. Lubomír Straka, PhD., prof. MUDr. František Novomeský, PhD., doc. MUDr. Jozef Krajčovič, PhD., doc. MUDr. Martin Janík, PhD., MUDr. Veronika Rybárová, PhD.						
Last change: 07.04.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023						
University: Comenius University Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.KDTBC/J-S-VL-615/19		Course title: Functional Examination of Lungs in Childhood				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / ,5 per level/semester: 7 / 7 Form of the course: on-site learning						
Number of credits: 1						
Recommended semester: 9.						
Educational level: I.II.						
Prerequisites:						
Course requirements: Lectures and practicals attendance /minim. 80%/, final oral exam						
Learning outcomes: After subject completion student acquires basic information about pulmonary function testing in childhood, is able to evaluate ventilation parameters, bronchoprovocation tests, identify ventilation disorders, evaluate exhaled air analysis						
Class syllabus: 1. Definition of ventilation parameters 2. Evaluation of flow-volume loop 3. Bronchoprovocation test 4. Bronchodilatation tests 5. Bodyplethysmography, Diffusion capacity 6. Exhaled air analysis						
Recommended literature: 1. FIŠEROVÁ, J., CHLUMSKÝ, J., SATINSKÁ, J. A KOL. Funkční vyšetření plic. Praha: GEUM, 2004. ISBN 80-86256-38-3. 2. KRIŠTÚFEK, P. a kol. Praktická respirológia a fizeológia. Bratislava: Osveta, 2000. ISBN 80-8063-044-5. 3. FÁBRY, J. Funkčné vyšetrenie pľúc u detí. In: OROSOVÁ, J. a kol. Pneumológia, pneumoonkológia a hrudníková chirurgia. Bratislava: Infoma, 2011. ISBN 978-80-89087-52-5. s. 123-128. 4. FÁBRY, J., KUBICOVÁ, Z., RAČEKOVÁ, E. Prínos funkčného vyšetrenia pľúc v detskej pneumonologickej praxi. Lekársky Obzor, roč. 55, č. 1-2 (2006), s. 23-32.						
Languages necessary to complete the course: English						
Notes:						
Past grade distribution Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: MUDr. Jaroslav Fábry, PhD.						

Last change: 28.03.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.IK1/J-S-VL-591/22	Course title: General Medicine and Practice at General Practitioner
Educational activities: Type of activities: lecture Number of hours: per week: 1 per level/semester: 14 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Internal medicine 3, Pediatrics 1	
Course requirements: EN The condition for successful completion of the course and obtaining credit is participation in practical exercises, which students attend directly in practice, ie. in non-state medical outpatient clinics (general practitioner and general practitioner for children and adolescents - PLDD). Scale of assessment (preliminary/final): monitoring activity in practical exercises and writing case reports	
Learning outcomes:	
Class syllabus: History of paediatrics and general medicine. Basic terms. PLDD and general practice management for adults. Diagnosis and treatment of a patient in a PLDD outpatient clinic and general practitioner - from symptoms and syndrome to diagnosis (diagnostics, differential diagnosis, therapeutic options, etc.) Specific work of PLDD doctor and general practitioner - preventive examinations, vaccination, diagnostics, pre-hospital medical care, LSPP, visiting service, field work, occupational health care, incapacity, cooperation with the Social Insurance Agency, ÚPSaR. Acute conditions in ambulance PLDD and general practitioner. Keeping medical records in PLDD and general practitioners, examination of dead, assessment of possession of weapons and ammunition, SBS, ability to drive a motor vehicle, cooperation with police. Electronic Healthcare.	
Recommended literature: Robert Rakel David Rakel: Textbook of Family Medicine 9th Edition,2015,ISBN: 9780323239905 eBook ISBN: 9780323340939	
Languages necessary to complete the course: English language	
Notes:	

Past grade distribution	
Total number of evaluated students: 10	
ABS0	M
100,0	0,0
Lecturers: doc. MUDr. Daniela Kantárová, PhD., MPH	
Last change: 08.03.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.GPK/J-S-VL-562/19	Course title: Gynecology and Obstetrics (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 42 / 28 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites: JLF.KVVTCh/J-S-VL-522a/22 - Surgical Propedeutics (2)	
Course requirements: 90% mandatory participation in practical exercises, one afternoon shift (16:00-20:00), and credit test: minimum success rate: 60%. Scale of assessment (preliminary/final): Continuous	
Learning outcomes: Credits	
Class syllabus: Lectures: Diagnosis of pregnancy. Changes in female organism during pregnancy. Fertilization and further development of the fetal egg. Fetal egg at the end of pregnancy. Placental and fetal circulation. Prenatal care (screening). Diet of pregnant women. Drugs and pregnancy. Normal birth - causes. Physiology of uterine activity. Labor phases. Medical management of labor. The management of labor in the home and in extraordinary circumstances. Breech delivery. Surgical methods in breech birth. Preterm labor. Preterm premature rupture of membranes. Amniotic fluid assessment. Intrauterine growth restriction. Diagnosis and treatment of fetal threat during pregnancy and childbirth. Bleeding during pregnancy, labor, and postpartum. Immunological problems in pregnancy. Gestational trophoblastic disease. Pathology of placenta and umbilical cord. Hypertensive disorders in pregnancy. Diabetes mellitus, hematologic disorders, and hepatopathies in pregnancy. Seminars: Anatomy of external and internal genitals, female pelvis, pelvimetry. Basic examination techniques in obstetrics. Amnioscopy, gravidometry, and calculation of due date of delivery. Patient history in gynecology – obstetrics. Spontaneous vaginal delivery. Fetal injury during delivery. Principles of cardiotocography. Puerperium – physiology and pathology. Ultrasound in gynecology and obstetrics. Emergency situations in obstetrics - differential diagnosis. Operative obstetrics (Caesarean section, forceps, vacuum extraction and versions). Labor analgesia and anesthesia. Prenatal genetic counselling.	
Recommended literature: Cunningham, F. et al.: Williams Obstetrics. Williams Obstetrics 26e. McGraw Hill / Medical; 26th edition, 2022, 1328 s., ISBN-13: 978-1260462739.	

Hoffman, B. et al.: Williams Gynecology. McGraw-Hill / Medical; 4th ed., 2020, 1328 s., ISBN-13: 978-1260456868.

Languages necessary to complete the course:

English

Notes:

Past grade distribution

Total number of evaluated students: 341

A	ABS0	B	C	D	E	FX
97,07	0,29	1,76	0,59	0,29	0,0	0,0

Lecturers: doc. MUDr. Kamil Biringer, PhD., MUDr. Michaela Hrtánková, PhD., MUDr. Zuzana Laučková, PhD., doc. MUDr. Erik Kúdela, PhD., MUDr. Jana Siváková, PhD., MUDr. Ivana Chmúrna, PhD., MUDr. Petra Kasajová, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.GPK/J-S-VL-563/19	Course title: Gynecology and Obstetrics (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: 3	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.GPK/J-S-VL-562/19 - Gynecology and Obstetrics (1)	
Course requirements: 90% mandatory participation in practical exercises, one afternoon shift (16:00-20:00), and credit test: minimum success rate: 60%. Scale of assessment (preliminary/final): Continuous	
Learning outcomes: Credits	
Class syllabus: Lectures: Ovarian and menstrual cycles. Breast cycle. Neurohumoral regulation. Periods of a woman's life (newborn to senium). Menstrual cycle disorders. Pediatric gynecology. Endometriosis. Precancerosis of female genital organs. Benign and malignant uterine tumors. Benign and malignant ovarian tumors. Breast diseases. Inflammatory diseases of female genital organs. Acute situations in gynecology. Sterility and infertility. Principles of steroid treatment, contraception. Pelvic pain syndrome. Seminars: Postterm pregnancy. Preinduction and induction of abortion and labor. Multiple pregnancy. Abnormal fetal lie, position and presentation, and labor. Maternal injury in labor and treatment (simulator). Special examination methods in gynecology (simulation center). Diagnostic methods in senology. Pelvic organ prolapse in females.	

Urinary incontinence in females. Tumors of the vulva and vagina.						
Recommended literature: Cunningham, F. et al.: Williams Obstetrics. Williams Obstetrics 26e. McGraw Hill / Medical; 26th edition, 2022, 1328 s., ISBN-13: 978-1260462739. Hoffman, B. et al.: Williams Gynecology. McGraw-Hill / Medical; 4th ed., 2020, 1328 s., ISBN-13: 978-1260456868.						
Languages necessary to complete the course: English						
Notes:						
Past grade distribution Total number of evaluated students: 266						
A	ABS0	B	C	D	E	FX
99,62	0,0	0,0	0,0	0,38	0,0	0,0
Lecturers: doc. MUDr. Kamil Biringer, PhD., doc. MUDr. Erik Kúdela, PhD., MUDr. Michaela Hrtánková, PhD., MUDr. Zuzana Laučeková, PhD., MUDr. Ivana Chmúrna, PhD., MUDr. Petra Kasajová, PhD., MUDr. Jana Siváková, PhD.						
Last change: 07.04.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KHT/J-S-VL-565/19	Course title: Hematology and Transfusiology
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: 10.	
Educational level: I.II.	
Prerequisites: JLF.IKG/J-S-VL-540/18 - Internal Medicine (2) and JLF.IKG/J-S-VL-538/17 - Internal Medicine Propedeutics (2)	
Course requirements: Student must complete at least 80% of prescribed period of training. Absences from classes must be duly excused. Assessment of students is performed by written form - test with 10-20 questions; student is required to achieve for success $\geq 60\%$. Scale of assessment (preliminary/final): continuous	
Learning outcomes: After completion of the Hematology and transfusiology the student gets practical and well arranged information about hematologic and hematooncologic diseases, is informed about possible changes in blood count and hemostatic system of hematologic and hematooncologic patients, understands pathomechanism of selected disorders, gains knowledge about examination of patient with hematologic disease and medical record writing, is able to propound the algorithm of basic laboratory and other examinations, to make differential diagnosis and knows the basic principles of treatment. Student obtains information about the routine practice in hematological laboratories, acquires knowledge about blood groups and transfusion service. Completion of the Hematology and transfusiology contributes to formation of the students ethical approach to patients with hematologic and hematooncologic diseases.	
Class syllabus: - Anaemia: Definition of the anaemic syndrome, classification, morphologic and pathophysiologic criteria, clinical and laboratory findings in patients with anaemia, diagnostics of anaemia; iron deficiency anaemia, megaloblastic anaemia, hemolytic anaemia, anaemia of chronic diseases, dif.dg. approach to microcytic, macrocytic and normocytic anaemias, treatment od anaemia. Blood count and blood smear - anizocytosis, poikilocytosis, hypochromic red blood cells. - Disorders of hemostasis: Physiology of hemostasis, primary hemostasis, hemocoagulation, fibrinolysis. Basic examination of hemostasis, importance of coagulation tests - APTT, PT, TT and platelet count examination, bleeding time, D-dimers, fibrinolytic activity, natural inhibitors of hemostasis, antiphospholipid antibodies, value of PCR in diagnostics of gene polymorphisms. Bleeding disorders: patophysiology, classification, diagnostics, dif.dg. and	

treatment. Thrombophilia: definition, arterial and venous thrombosis, the most common thrombophilic states, resistance to activated protein C (factor V Leiden), prothrombin gene mutation, hyperhomocysteinaemia, deficiency of natural inhibitors of coagulation, sticky platelet syndrome, diagnostics and treatment of thrombophilia, National registry of thrombophilic states, care about patient with thrombophilia

- Leukaemia: Definition, acute and chronic leukaemias, myeloblastic and lymphoblastic leukaemias, FAB a WHO classification of acute leukaemias, clinical and laboratory findings - cytology, flow cytometry, cytogenetics and histology of bone marrow, demonstration of bone marrow examination procedure (bone marrow aspiration and trephine biopsy), dif. dg, myelodysplastic syndrome (MDS) and aplastic anaemia, treatment of leukaemia - chemotherapy (induction, consolidation, intensification), bone marrow transplantation, supportive care, definition or leukaemia relapse and remission.

- Malignant lymphomas (ML): Definition, Hodgkin and non-Hodgkin lymphoma, B- and T-cell lymphomas, clinical findings, histological diagnostics (biopsy of lymph node, extranodal tissue and bone marrow), importance of laboratory tests and oncomarkers, role of ultrasound, X-ray, CT, MRI and PET-CT examinations in diagnostics, staging and re-staging of ML, indolent and aggressive ML, extranodal lymphoma, multiple myeloma, role of chemotherapy, immunotherapy, irradiation and stem cell transplantation in treatment of ML, IPI - international prognostic index for ML.

- Myeloproliferative neoplasms (MPN): Definition and classification of MPN, clinical and laboratory characteristics, definition of individual diseases - polycythemia vera, essential thrombocytosis, primary myelofibrosis, chronic myelogenous leukaemia, diagnostics and dif.dg. of MPN, current treatment possibilities and prognosis of MPN.

- Transfusiology: Definition of blood transfusion, blood groups, blood donating, transfusion service in SR, administration of blood products, compatibility test, bed-side test, biological exam, indications for treatment with blood products and blood-based derivatives, storage and examinations of blood products, visit of hematological laboratory and blood bank - demonstration of blood group testing and compatibility test examination. Practical administration of blood product (bed-side test, biological exam), post-transfusion reaction and its treatment.

Recommended literature:

1. Metha A.B. et al. Haematology at a glance. 4th ed., Hoboken, Wiley-Blackwell, 2014. 136 s.

ISBN 978-1-118-73467-4

2. Provan D. ABC of Clinical Haematology. 4th ed., Wiley-Blackwell, 2018. 112 s. ISBN

978-1-118-89234-3

3. Fauci J. et al. Harrison's Principles of Internal Medicine. 20th ed. New York: McGraw-Hill, 2018.

2800 s. ISBN 1259644030

4. Keohane E.M. et al. Rodak's Hematology: Clinical Principles and Applications. 5th ed..

Philadelphia: Saunders, 2015. 912 s. ISBN 0323239064

5. Rodgers G.P. et al. The Bethesda Handbook of Clinical Hematology. 4th ed. Philadelphia:

Lippincott Williams & Wilkins, 2018. 576 s. ISBN 978-1-49-635400-6

6. Abraham J. et al. The Bethesda Handbook of Clinical Oncology. 5th ed. Philadelphia:

Lippincott Williams

& Wilkins, 2018. 800 s. ISBN 1496344189

7. Anderson S et al. Anderson's Atlas of Hematology. 3rd ed. Philadelphia: Lippincott Williams

& Wilkins, 2021. 614 s. ISBN 9781975118259

8. Rodak B.F. et al. Clinical Hematology Atlas. 3rd ed. Philadelphia: Saunders, 2015. 296 s.

ISBN 9780323322492

9. Greer J.P. et al. Wintrobe's Clinical Hematology. 14th ed. Philadelphia: Lippincott Williams &

Wilkins, 2018. 2432 s. ISBN 9781496347428

<p>10. Kaushansky K. et al. William's Hematology. 10th ed. New York: McGraw-Hill Professional, 2014. 2460 s. ISBN 9781260464122</p> <p>11. McKenzie S.B. et al. Clinical Laboratory Hematology. 4th ed. London: Pearson, 2020. 1264 s. ISBN 9780134709390</p>						
<p>Languages necessary to complete the course: English language</p>						
<p>Notes:</p>						
<p>Past grade distribution Total number of evaluated students: 265</p>						
A	ABS0	B	C	D	E	FX
42,64	0,0	34,34	15,47	5,28	2,26	0,0
<p>Lecturers: prof. MUDr. Ján Staško, PhD., doc. MUDr. Juraj Sokol, PhD., MUDr. Jan Hudeček, CSc., prof. MUDr. Peter Kubisz, DrSc., MUDr. Lenka Lisá, PhD., MUDr. Lucia Stančiaková, PhD., MUDr. Tomáš Šimurda, PhD., RNDr. Jana Žolková, PhD., MUDr. Pavol Hollý, PhD., Ing. Ingrid Škorňová, PhD.</p>						
<p>Last change: 07.04.2022</p>						
<p>Approved by:</p>						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KHT/J-S-VL-636/20	Course title: Hemostasis – Vascular Medicine
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 5 / 1 per level/semester: 7 / 14 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Internal disease II	
Course requirements: Student must complete 100% of prescribed period of training and prepare semestral work. Scale of assessment (preliminary/final): continuous	
Learning outcomes: By completing the course, the student will gain knowledge about advances in the diagnosis and treatment of congenital and acquired disorders of hemostasis as well as in the diagnosis and treatment of serious cardiovascular and cerebrovascular diseases. By the end of this course, students will be able to identify risk factors and clinical manifestations of these diseases. Emphasis is also placed on innovative diagnostic and therapeutic procedures.	
Class syllabus: - Characteristics of terms and meaning of hemostasis disorders and vascular diseases - Overview of the pathophysiology of hemostasis disorders, cardiovascular and cerebrovascular diseases - Characteristics of the most important risk factors and clinical manifestations of hemostasis disorders, cardiovascular and cerebrovascular diseases - Advances in the diagnosis and treatment of hemostasis disorders and innovations in the diagnosis and treatment of cardiovascular and cerebrovascular diseases - Practical examples of innovations in the diagnosis and treatment of selected disorders of hemostasis and vascular diseases in hematology, hematooncology, angiology, vascular surgery, cardiology and neurology	
Recommended literature: 1. Fauci, J. et al. Harrison Principles of Internal Medicine. 20th Edition, New York: McGraw – Hill, 2018. 2800 pp. ISBN 1259644030. 2. Rodgers, G.P. et al. The Bethesda Handbook of Clinical Hematology. 4th Edition, Philadelphia: Lippincott Williams & Wilkins, 2018. 576 pp. ISBN 978-1-49-635400-6.	

<p>3. Creager M et al. Vascular Medicine: A Companion to Braunwald's Heart Disease. 3rd Edition, Elsevier Saunders, 2020. 920 pp. ISBN 9780323636001.</p> <p>4. Touyz RM et al. Textbook of Vascular Medicine. 1st Edition, Springer Nature Switzerland. 102 pp. ISBN 978-3-030-16481-2.</p>						
<p>Languages necessary to complete the course: English language</p>						
<p>Notes:</p>						
<p>Past grade distribution Total number of evaluated students: 0</p>						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<p>Lecturers: doc. MUDr. Juraj Sokol, PhD., MUDr. Jan Hudeček, CSc., prof. MUDr. Peter Kubisz, DrSc., MUDr. Lenka Lisá, PhD., MUDr. Lucia Stančiaková, PhD., MUDr. Tomáš Šimurda, PhD., RNDr. Jana Žolková, PhD.</p>						
<p>Last change: 09.10.2021</p>						
<p>Approved by:</p>						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KICM/J-S-VL-567/19	Course title: Infectology
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 42 / 14 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.NIK/J-S-VL-546/18 - Neurology (2) and JLF.ÚMI/J-S-VL-518/17 - Microbiology (2) and JLF.IKG/J-S-VL-538/17 - Internal Medicine Propedeutics (2)	
Course requirements: Hodnotenie študentov prebieha formou zápočtového testu a ústnej skúšky. Po úspešnom absolvovaní zápočtového testu (Hodnotenie: A 91 - 100%, B 81 - 90%, C 73 – 80 %, D 66 – 72 %, E 60 - 65%, Fx < 60%) bude študent pripustení ku ústnej skúške. Scale of assessment (preliminary/final): 1/3 S	
Learning outcomes: Absolvent predmetu porozumie problematike infekčných chorôb, ich šíreniu v rôznych geografických oblastiach sveta, zvláštnostiam klinického obrazu a priebehu, diagnostike, diferenciálnej diagnostike a liečbe, ako aj možnostiam prevencie.	
Class syllabus: Prednášky: 1. Syndróm vírusovej hepatitídy 2. Nozokomiálne nákazy 3. Neuroinfekcie 4. COVID-19 5. Črevné infekcie 6. Vírusové hemoragické horúčky a iné arbovirózy 7. HIV Témy praktických cvičení 1. Úvod do problematiky infekčných chorôb, organizácia infektologického oddelenia, zásady vyšetrovania a terapie 2. Syndróm vírusovej hepatitídy (etiológia, klinický obraz, diagnostika) 3. Antiinfekčná terapia 4. Meningoencefalitída a meningitída 5. Exantémové ochorenia 6. Syndróm zväčšenia lymfatických uzlín 7. Akútna gastroenteritída 8. Vybrané parazitárne infekcie	

- 9. Sepsa
- 10. Infekcia získaná v nemocnici
- 11. Toxoplazmóza
- 12. Zoonóza
- 13. Infekcie spôsobené herpetickými vírusmi
- 14. Cestovná medicína

Recommended literature:

Hobstová, J.: Infekčné choroby. Karolinum Praha, 2003, 1. vydanie, 259s.
 Bannister, B.: Infekčné choroby. Blackwell Science. 2000, 2 vydanie, 484s

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 261

A	ABS0	B	C	D	E	FX
74,33	0,0	15,71	6,13	2,68	1,15	0,0

Lecturers: doc. MUDr. Katarína Šimeková, PhD., MUDr. Róbert Rosol'anka, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KDAIM/J-S-VL-611/19	Course title: Intensive Medicine in Pediatrics
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / ,5 per level/semester: 7 / 7 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Attendance of all practical lectures and lectures. Successful accomplishment of the practical part of simulation sessions(patient choking by foreign body/object, orotracheal intubation, thoracic drainage, CVC and PICC insertion, Basic and advance Cardio-pulmonary resuscitation). For A grades, it is necessary to have a success rate of more than 90% in the practical part, For B grades it is necessary to have a success rate in the practical part of 80-89%, For the evaluation C it is necessary to have a success rate in the practical part of 70-79%, For evaluation D it is necessary to have a success rate in the practical part of 60-69%, For the evaluation of E it is necessary to have a success rate in the practical part of 50-59%, Credits will not be awarded to a student who has a success rate in the practical part below 50%.	
Learning outcomes: Student by participance in a particular subject will obtain basic information about the diagnosis, differential diagnosis and therapeutical quidelines for critical cases they are common in Pediatric Intensive Care and Resuscitation. After repetitive practical simulation sessions participant will be able to apply an appropriate knowledge and she/he will be able to solve some urgent situation independently, such as Basic and Advanced Cardio-pulmonary resuscitation in children all ages; treat urgent situations such as tension pneumotorax, foreign body aspiration, secure the airways by supra and subglottis equipment (laryngeal mask and orotracheal intubation), secure CVC, AC and PICC insertion. As an addition a participant will become familiar with basics of pulmonary ventilation , specifically more devoted to protective regimens of pulmonary ventilation. The biggest benefit for each participant is probably becoming familiar and more skilled in various manual medical procedures.	
Class syllabus: Introduction into Study of Pediatric Intensive Care and Resuscitation Care. Basic and Advanced Cardio-pulmonary resuscitation. ARDS pathophysiology. Basics of Artificial Pulmonary Ventilation in Pediatrics. Specificity of protective ventilation. Open lung tool strategy. Pathophysiology, clinical onset and therapeutical possibilities in managing of foreign body aspiration in pediatrics. Pathophysiology, clinical onset and therapeutical possibilities in managing of tension pneumotorax in pediatrics. Central venous cathethers, arterial catheters, peripheral	

inserted central venous catheters, intraosseal needles in pediatrics. Supraglottic and Subglottis method of securing opened airways in pediatrics.

Recommended literature:

European resuscitation council guidelines for resuscitation 2021. internetový zdroj
Roger's textbook of Pediatric Intensive Care. Fourth edition. Lippincott Williams Wilkins, 2008.
1839 s.

Languages necessary to complete the course:

English language

Notes:

Past grade distribution

Total number of evaluated students: 14

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

Lecturers: doc. MUDr. Slavomír Nosál', PhD.

Last change: 15.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.IK1/J-S-VL-541/19	Course title: Internal Medicine (3)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 28 / 14 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites: JLF.IKG/J-S-VL-539/19 - Internal Medicine (1)	
Course requirements: The conditions for successful passing the subject and obtaining credits are as follows: Presence at 12 practical lessons (absence of two practical lessons must be justified). Successful passing of 2 tests. Substitution of other missing practical lessons (according to the study order of JFMCU as well as to the Dean's direction) is possible only in case of less than 20 % of missing practical lessons (2) with the approval of the head of department. In serious cases, the substitution of more than 20% of practical lessons can be proposed by the head of department and will be allowed after approval of the Dean.	
Learning outcomes: Completion of training the student gains general informations – knowledge and practical skills from nephrology, to get acquainted with the most important kidney diseases with their diagnosis, differential diagnosis including laboratory and special investigative techniques and therapy. Additional knowledge and practical skills the student acquires of the most common intoxications in internal medicine, including their correct diagnosis and subsequent therapeutic solutions, further issues of metabolic syndrome, calcium metabolism disorders, disturbances of intrinsic environment and the principles of antibiotic treatment and treatment by glucocorticoids.	
Class syllabus: Examinations of patients with acute and chronic glomerulonephritis. Examinations of patients with tubulointerstitial nephritis. Functional methods in nephrology. Examinations of patients with chronic kidney disease. Uremic syndrome. Organization of the hemodialysis unit, examination and care of patients in chronic dialysis programme. Peritoneal dialysis and other elimination methods, Acute intoxications – diagnosis, differential diagnosis general principles of therapy. Indications of acute hemodialysis and hemoperfusion. Obesity, dyslipidemia and prediabetic states. Metabolic syndrome and risk factors of cardiovascular diseases. Disorders of calcium metabolism. Osteoporosis. Examination of patients with bone diseases.	

<p>Principles of glucocorticoid therapy. Dehydration. Principles of treatment. Disturbances in intrinsic environment - metabolic and mineral dysbalance. Examination of patients with septic states, differential diagnosis of febrile states. Principles of antibiotic therapy.</p>						
<p>Recommended literature: Longo, D. L. et al. Harrison´s Principles of Internal medicine: Vol. I. New York, McGraw-Hill, 2012, 1796 pp. Longo, D. L. et al. Harrison´s Principles of Internal medicine: Vol. II. New York, McGraw-Hill, 2012, 1797-3610 pp. Kumar, P. Clark, M. Kumar and Clark´s Clinical Medicine. Philadelphia: Saunders Ltd., 2012, 1352 pp. Colledge, N. R. et al. Davidson´s Principles and Practice of Medicine. Edinburgh: Churchill Livingstone, 2010, 1376 pp. McPhee, S. J., Hammer, G. D. Pathophysiology of Disease And Introduction to Clinical Medicine. Nex York: McGraw-Hill Medical , 2010, 737 pp.</p>						
<p>Languages necessary to complete the course: English language.</p>						
<p>Notes:</p>						
<p>Past grade distribution Total number of evaluated students: 353</p>						
A	ABS0	B	C	D	E	FX
48,16	0,28	26,63	14,45	6,52	3,97	0,0
<p>Lecturers: prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, doc. MUDr. Margita Belicová, PhD., prof. MUDr. Peter Galajda, CSc., doc. MUDr. Milan Ochodnický, CSc., doc. MUDr. Jurina Sadloňová, CSc., doc. MUDr. Matej Samoš, PhD., doc. MUDr. Daniela Kantárová, PhD., MPH, MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., MUDr. Michal Mokáň, PhD., doc. MUDr. Peter Bánovčín, PhD., MBA, MUDr. Martin Ďuriček, PhD., MUDr. Peter Hyrdel, PhD., prof. MUDr. Rudolf Hyrdel, CSc., MUDr. Martin Schnierer, PhD., MUDr. Ľubomír Skladaný, PhD.</p>						
<p>Last change: 06.04.2022</p>						
<p>Approved by:</p>						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.IK1/J-S-VL-542/19	Course title: Internal Medicine (4)
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: 10.	
Educational level: I.II.	
Prerequisites: JLF.IK1/J-S-VL-541/19 - Internal Medicine (3)	
Course requirements: The conditions for successful passing the subject and obtaining credits are as follows: Presence at 12 practical lessons (absence of two practical lessons must be justified). Successful passing of 2 tests. Substitution of other missing practical lessons (according to the study order of JFMCU as well as to the Dean's direction) is possible only in case of less than 20% of missing practical lessons (2) with the approval of the head of department. In serious cases, the substitution of more than 20% of practical lessons can be proposed by the head of department and will be allowed after approval of the Dean. The final evaluation for internal medicine is based on the successful passing of 2 tests, presence at 12 practical lessons and oral examination which consists of 2 questions.	
Learning outcomes: Completion of training the student gains general informations – knowledge and practical skills from area of the acute states in internal medicine in its individual branches such as cardiology, gastroenterology and hepatology, endocrinology, diabetology and disorders of metabolism and nutrition, hematology and of comatose states. Acquire the basic knowledge on the management of cancer patients.	
Class syllabus: Acute states in cardiology – organization of coronary unit. Functional methods in cardiology – evaluation of findings. Cardiogenic shock and principles of cardiopulmonary resuscitation. Principles of pharmacotherapy in cardiology. Video conference – cardiologic topic. Comatose states. Acute states in gastroenterology. Bleeding from gastrointestinal tract . Acute states in hematology – hemorrhagic states. Acute states in endocrinology. Acute states in diabetology – acute hyperglycemic and hypoglycemic states. Acute states in nephrology – acute kidney injury.	

Examination and care of oncologic patients.						
Recommended literature:						
Longo, D. L. et al. Harrison's Principles of Internal medicine: Vol. I. New York, McGraw-Hill, 2012, 1796 pp.						
Longo, D. L. et al. Harrison's Principles of Internal medicine: Vol. II. New York, McGraw-Hill, 2012, 1797-3610 pp.						
Kumar, P. Clark, M. Kumar and Clark's Clinical Medicine. Philadelphia: Saunders Ltd., 2012, 1352 pp.						
Colledge, N. R. et al. Davidson's Principles and Practice of Medicine. Edinburgh: Churchill Livingstone, 2010, 1376 pp.						
McPhee, S. J., Hammer, G. D. Pathophysiology of Disease And Introduction to Clinical Medicine. New York: McGraw-Hill Medical, 2010, 737 pp.						
Languages necessary to complete the course:						
English language.						
Notes:						
Past grade distribution						
Total number of evaluated students: 261						
A	ABS0	B	C	D	E	FX
32,57	0,0	25,67	19,54	13,79	8,43	0,0
Lecturers: prof. MUDr. Rudolf Hyrdel, CSc., prof. MUDr. Marián Mokáň, DrSc.,FRCP Edin, doc. MUDr. Margita Belicová, PhD., prof. MUDr. Peter Galajda, CSc., doc. MUDr. Milan Ochodnický, CSc., doc. MUDr. Jurina Sadloňová, CSc., doc. MUDr. Matej Samoš, PhD., MUDr. Tomáš Bolek, PhD., MUDr. Matej Stančík, PhD., MUDr. Ľudovít Šutarík, CSc., MUDr. Lívia Jamrišková, PhD., doc. MUDr. Daniela Kantárová, PhD., MPH, MUDr. Michal Mokáň, PhD., doc. MUDr. Dana Prídavková, PhD., doc. MUDr. Peter Bánovčin, PhD., MBA, MUDr. Martin Ďuriček, PhD., MUDr. Peter Hyrdel, PhD., MUDr. Martin Schnierer, PhD., MUDr. Ľubomír Skladaný, PhD.						
Last change: 06.04.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.BioMed/J-S-VL-628/19	Course title: Introduction to Medical Data Analysis
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: 10.	
Educational level: I.II.	
Prerequisites:	
Course requirements:	
Learning outcomes: A student shall understand and critically assess results of data analysis in medical research publications. The student shall know the ways of translating a medical research question into a data-analytic one. The student shall understand possible methods for data collection and the relation between a sample and a population. The student shall have firm understanding of the basic tools of data visualization (such as histogram, boxplot), descriptive statistics (such as the sample average, standard deviation, median, interquartile range) and data analysis (such as the ROC curve, sensitivity, specificity, hypothesis testing and confidence intervals, logistic regression, survival analysis, correlation and regression analysis). The student will be able to select an appropriate tool for a particular problem. The student shall gain experience with analyzing real medical data, sufficient for performing such an analysis of a novel data on her/his own	
Class syllabus: 1st seminar Case study 1 (Indicators of Prostate Biopsy Results): Experiment vs observation study. Case-control study. Data types (qualitative, quantitative). Descriptive statistics (mean, median, standard deviation, interquartile range; frequency table, contingency table). Data visualization (histogram, boxplot; mosaicplot). 2nd seminar Case study 1, continued (Indicators of Prostate Biopsy Results): What is a biomarker? Diagnostic accuracy of a biomarker. Sensitivity, specificity, ROC curve, AUC, Youden index. Prevalence. Positive predictive value, negative predictive value – the key information for a physician and a patient. Diagnostic accuracy of PSA (prostate-specific antigen) for prostate cancer. 3rd seminar Case study 1, continued (Indicators of Prostate Biopsy Results): How to take into account the difference in the age composition of patients and controls? Logistic regression. Odds Ratio, risk. Confidence interval. P-value and statistical significance. 4th seminar Case study 2 (Identification of Risk Factors for Death after Carinal Resection): Selection of important predictors: does prior surgery matters? Akaike Information Criterion. Confidence band for ROC curve. 5th seminar Case study 3 (Effect of Protase Inhibitors on Pulmonary Admissions): Contingency tables. Independence test. Statistical significance versus scientific (medical) importance. Case study 4 (Effectiveness of a Drug in Reducing Nausea After Gallbladder Removal): Test of trend in contingency table. Is there a statistically significant difference in the	

decrease of nausea rating between the drug and placebo? 6th seminar Case study 5 (Laryngectomy Survival): Survival curve, censoring, Kaplan Meier estimator. Log-rank test: Is the survival the same for the Radiation Therapy patients as for the patients that underwent the larynx conservation surgery? Hazard ratio. 7th seminar Case study 6 (Exhaled Nitric Oxide as an Indicator of Exercise-Induced Bronchoconstriction): Scatterplot. Correlation vs causation. Regression. Single predictor, multiple predictors. Selection of predictors. Quality of fit. Predictions.						
Recommended literature: Riffenburgh R.H. Statistics in Medicine. 3-rd ed. Academic Press, 2012. ISBN 9780123848642.						
Languages necessary to complete the course:						
Notes:						
Past grade distribution Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. Mgr. Marián Grendár, PhD.						
Last change: 29.03.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚVZ/J-S-VL-609/19	Course title: Legal Aspect of Health Care Providing
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: 10.	
Educational level: I.II.	
Prerequisites:	
Course requirements: Attendance 7x4 p. (max. 28 p.) studying selected legal issues (max. 36 points) clear publication of the selected topic (max. 36 points) 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): 0/100	
Learning outcomes: After completion of the subject the student understands legal aspects of health care providing. The student is able to apply basic information on current legislation in force in practice.	
Class syllabus: Obligations of a healthcare professional in the provision of healthcare (documentation, agreements, use of codes and stamps). Obligations of the healthcare provider. Control mechanisms - Health Care Surveillance Authority. Obligations of a health worker in relation to the Social Insurance Agency. Legal responsibility of healthcare providers.	
Recommended literature: Recommended literature: Zákon č. 576/2004 Z. z. o zdravotnej starostlivosti v znení neskorších predpisov Zákon č. 578/2004 Z. z. o poskytovateľoch zdravotnej starostlivosti v znení neskorších predpisov Zákon č. 581/2004 Z. z. o zdravotných poisťovniach, dohľade nad zdravotnou starostlivosťou v znení neskorších predpisov Zákon č. 461/2003 Z. z. o sociálnom poistení v znení neskorších predpisov Zákon č. 355/2007 Z. z. o ochrane, podpore a rozvoji verejného zdravia v znení neskorších predpisov	
Languages necessary to complete the course: slovak	
Notes:	

Past grade distribution						
Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Viera Švihrová, CSc., prof. MUDr. František Novomeský, PhD.						
Last change: 10.03.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚSLME/J-S-VL-637/22	Course title: Medical Criminalistics
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: 10.	
Educational level: I.II.	
Prerequisites:	
Course requirements: 90 % participation in seminars	
Learning outcomes: After completing the course, the student knows the basics of frontier forensic disciplines (toxicology, serology, criminology) related to the doctor's practice. After completing the LK course, the student is qualified to perform administrative and practical professional tasks during the examination of the deceased, not only in the medical facility, but also outside the hospital. The student masters the procedures for inspecting the crime scene, is familiar with the procedures of the police in the investigation of a crime, respectively suspected of a criminal offense. Student can actively cooperate and participate in the investigation of various types of crime. At the request of law enforcement authorities, he is able to examine living persons and evaluate the finding forensically. The aim of the subject LK is to gain such experiences, practical habits and procedures that can be implemented also in other fields of medical practice.	
Class syllabus: I. COOPERATION WITH THE POLICE (Dead body inspection, Crime scene inspection, Crime scene psychology, Covering the traces of the crime from a forensic medical point of view, Examination of biological traces, Examination of a living person - persons suspected and accused of committing a crime, examination witnesses) II. PRINCIPLES FOR THE COLLECTION OF BIOLOGICAL MATERIAL IN SUSPECTED CRIME CASES (Introduction to forensic toxicology, Volatile poisons, Extractive poisons, Metal poisons, Other type of poisons, Unknown poisons, Possibilities and methods of alcohol detection, Basics of forensic serology, Forensic methods of identification of living and dead person)	
Recommended literature: DiMaio, V.J., DiMaio, D.: Forensic Pathology, CRC Press, Washington, D.C., 2001, 565 pp Saukko, P., Knight B.: Knight's Forensic Pathology, CRC Press, Boca Raton, 2016 Spitz, W.U., Diaz, F.J.: Spitz and Fisher's Medicolegal Investigation of Death, Charles C Thomas, Springfield, 2020	

Languages necessary to complete the course: English language						
Notes:						
Past grade distribution Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. MUDr. Martin Janík, PhD., prof. MUDr. Ľubomír Straka, PhD.						
Last change: 18.03.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023						
University: Comenius University Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.NnK/J-S-VL-616/19			Course title: Neonatological Propedeutics			
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: 9.						
Educational level: I.II.						
Prerequisites:						
Course requirements: Final fulfillment of the course completion conditions in the form of continuous evaluation. Scale of assessment (preliminary/final): continuous						
Learning outcomes: At the end of the course students should acquire basic skills in physical examination and screening examination of physiological and pathological newborns, they will learn basic procedures in the diagnosis of pathological conditions. After completing the course, the student is able to assess the state of a physiological newborn in the early postnatal period based on the acquired knowledge.						
Class syllabus: Prvé vyšetrenie a ošetrovanie novorodenca, skríningové vyšetrenia enterálna a parenterálna výživa, vyšetrenie kardiovaskulárneho systému, vyšetrenie respiračného systému, hodnotenie röntgenových snímok						
Recommended literature:						
Languages necessary to complete the course: English language						
Notes:						
Past grade distribution Total number of evaluated students: 13						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Mirko Zibolen, CSc., prof. MUDr. Katarína Mat'ášová, PhD., MUDr. Tomáš Jurko, PhD., doc. MUDr. Lucia Časnocha Lúčanová, PhD., Mgr. Katarína Chromčíková, PhD., MUDr. Marek Kozár, PhD., MUDr. Zuzana Uhríková, PhD.						
Last change: 29.03.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023						
University: Comenius University Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.NnK/J-S-VL-588/19		Course title: Neonatology				
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / ,5 per level/semester: 7 / 7 Form of the course: on-site learning						
Number of credits: 1						
Recommended semester: 10.						
Educational level: I.II.						
Prerequisites:						
Course requirements: Final fulfillment of the course completion conditions in the form of continuous evaluation Scale of assessment (preliminary/final): continuous						
Learning outcomes: At the end of the course students should be able to obtain more detailed information about physiological and pathological conditions in neonatology. By solving case reports of patients, they will better understand the issue and also the diversity of clinical manifestations of individual diseases in the neonatal period. The graduate of the course is able to describe the most common pathological situations in neonatology and propose appropriate treatment.						
Class syllabus: care of physiological newborn, newborn with extremely low birth weight, perinatal asphyxia, newborn resuscitation, hypoxic-ischemic encephalopathy, periventricular leukomalacia, intracranial haemorrhage in neonatal period, respiratory diseases in neonatal neonatal nurses, neonatal neonatal nursing, neonatal neonatal disease , case reports						
Recommended literature:						
Languages necessary to complete the course: English language						
Notes:						
Past grade distribution Total number of evaluated students: 77						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Mirko Zibolen, CSc., prof. MUDr. Katarína Maťašová, PhD., MUDr. Tomáš Jurko, PhD., doc. MUDr. Lucia Časnocha Lúčanová, PhD., Mgr. Katarína Chromčíková, PhD., MUDr. Marek Kozár, PhD., MUDr. Zuzana Uhríková, PhD.						

Last change: 29.03.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.NchK/J-S-VL-619/22	Course title: Neurosurgery
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2,5 / 1 per level/semester: 35 / 14 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites: JLF.NIK/J-S-VL-546/18 - Neurology (2) and JLF.KVVTCh/J-S-VL-522a/22 - Surgical Propedeutics (2)	
Course requirements: The condition for the obtaining the credits from neurosurgery is the 4/5 (80 %) attendance of the practical seminars at Clinic of Neurosurgery. After obtaining the credit, an oral exam follows. After its successful completion, the course is completed.	
Learning outcomes: The graduate has knowledge of pathophysiology, classification, diagnostic and treatment methods for the most common diseases in neurosurgery: degenerative diseases of the spine, spinal and spinal cord injuries, tumors of the spine and spinal cord, craniocerebral injuries, vascular neurosurgery, intracranial tumors, intracranial and intraspinal infections, injuries, entrapment syndromes and tumors of peripheral nerves. Gains basic knowledge of pediatric neurosurgery.	
Class syllabus: Degenerative spinal disease - pathophysiology and biomechanics of the spine affected by the degenerative process. Overview of diagnostic methods and basic spinal surgical procedures. Spinal cord injuries - overview of the mechanics, pathophysiology and classification of spinal cord injuries. Clinical picture, diagnosis and treatment of spinal cord injuries and an overview of basic surgical procedures. Tumors of the spine and spinal cord - focus on an overview of histological types of tumors affecting the spine, spinal cord and spinal canal, diagnostic methods and basic surgical procedures. Craniocerebral injuries - an overview of brain injury management based on an understanding of the pathophysiology and biomechanics of intracranial space and brain injury. Classification of head injuries, characteristics of intracranial hypertension, diagnosis and treatment of brain injuries. Overview of basic neurosurgical procedures in patients with craniocerebral injuries. Vascular neurosurgery - basic characteristics, diagnostics and overview of surgical procedures in intracranial hemorrhage, cerebral ischemia, treatment options for intracranial aneurysms and arteriovenous and other vascular malformations. Intracranial tumors - an overview of histological types of tumors affecting the brain, skull and intracranial space, the use of diagnostic methods and the basic principles of surgical treatment. Characteristics of intraoperative neuromonitoring and awake operations.	

Inflammatory diseases of the intracranial and spine - characteristics, diagnosis and principles of conservative and surgical treatment of inflammatory diseases, such as brain abscess, subdural empyema, epidural and intraspinal abscess, spondylodiscitis and others.
 Peripheral nerve injuries, entrapment syndromes, peripheral nerve tumors – characteristics, clinical picture, diagnostic tools and an overview of neurosurgical operations.
 Pediatric neurosurgery - specifics of a pediatric neurosurgical patient, characteristics of congenital developmental defects of CNS and supporting structures, hydrocephalus, CNS tumors in childhood. Specifics of childhood CNS injuries, CNS birth injuries. Overview of basic surgical procedures.

Recommended literature:

Lectures and seminars

Greenberg, Mark S. Handbook of Neurosurgery. New York: Thieme Medical Publishers, 7th edition, 2010, s. 1338, ISBN: 978-1-60406-326-4

Agarwal Nitin et al. Neurosurgery Fundamentals. Thieme Medical Publishers Inc. 432p. ISBN: 9781626238220

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 83

A	ABS0	B	C	D	E	FX
65,06	0,0	22,89	12,05	0,0	0,0	0,0

Lecturers: prof. MUDr. Branislav Kolarovszki, PhD., MBA, MUDr. Romana Richterová, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KPLT/J-S-VL-574/19	Course title: Occupational Medicine and Toxicology
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: 9.	
Educational level: I.II.	
Prerequisites: JLF.IKG/J-S-VL-539/19 - Internal Medicine (1)	
Course requirements: obligatory participation in seminars and final test Scale of assessment (preliminary/final): final test	
Learning outcomes:	
Class syllabus: 1. Professional diseases - definition, overview, national and international list of occupational diseases. System for the assessment, reporting and compensation of occupational diseases. The job description of department or clinic of occupational medicine, the role of occupational health service in the system of care for the health of employees. Preventive medical examinations. Occupational diseases of the respiratory system - Pneumoconiosis. 2. Overview of diseases after exposure to physical factors of the working environment - occupational diseases from long-term, excessive and repetitive load of limbs, diseases from vibrations. Health damage from over noise and ionizing and nonionizing radiation. 3. Occupational diseases after exposure to toxic and carcinogenic metals, organic solvents, toxic gases, pesticides. 4. Occupational cancers. Professional allergic diseases - rhinitis, asthma bronchiale, hypersensitive pneumonitis. 5. Examination, diagnosis and treatment of patients with professional health damage.	
Recommended literature: 1. Buchancová a kol. Pracovné lekárstvo a toxikológia. Martin, Osveta, 2003, 1133s. 2. LaDou, J.: Current Occupational and Environmental Medicine. Mc Grax-Hill Education Europe, 2007, 846 s. 3. Krutý, F., Buchancová, J.: Pracovné lekárstvo a toxikológia. Environmentálne pľúcne choroby. Poškodenia zdravia z fyzikálnych faktorov. V: Ďuriš, I., s kol.: Princípy internej medicíny SAP Bratislava, 2001, 2951 s. 4. Osina, O., Sadloňová, J.: Toxikológia - vybrané kapitoly - druhé doplnené vydanie. Vysokoškolské skriptá, 2020	

5. Pelclová, D. a kol.: Nemoci z povolání a intoxikace. Praha, Karolinum. 2002, 207 s.
 6. Rom, W.N. : Environmental and Occupational Medicine, Philadelphia, 2007, 1884 s.
 7. Harbison, R.D. (Editor): Hamilton and Hardy's Industrial Toxicology. N.J.: John Wiley and Sons, 6th ed., 2015, 1339 s.
 8. Levy, Barry, S.: Occupational and Environmental Health. Oxford: Oxford University Press, 6th ed., 2011, 854s.

Languages necessary to complete the course:

English language

Notes:

Past grade distribution

Total number of evaluated students: 262

A	ABS0	B	C	D	E	FX
65,27	0,0	24,05	8,02	2,29	0,38	0,0

Lecturers: doc. MUDr. Oto Osina, PhD., MUDr. Petra Balhářeková, MUDr. Gabriela Hubená, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.OK/J-S-VL-568/19	Course title: Ophthalmology
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 42 / 14 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites: JLF.ÚA/J-S-VL-503/16 - Anatomy (3) and JLF.ÚFy/J-S-VL-516/16 - Physiology (2)	
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 an 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 optotypes. Theory and practise with slit lamp. 2. Diseases of cornea, sclera and conjunctiva. Examination of the cornea and conjunctiva 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, funduscopy, 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, Schiötz, 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 eversion.

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

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: 343

A	ABS0	B	C	D	E	FX
50,73	0,0	32,36	12,54	2,33	2,04	0,0

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

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.OTK/J-S-VL-570/22	Course title: Ortopedics
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2,5 / 2 per level/semester: 35 / 28 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.ChKTC/J-S-VL-524/22 - Surgery (2)	
Course requirements: 100% participation in practical exercises with the possibility of one excused absence is required. Replacement of missing practical exercises is possible up to 20% of the total number, with the consent of the head of the department (in accordance with the Study Regulations and the regulation of the Dean of Jessenius Faculty of Medicine Comenius University in Martin). For each unjustified non-participation, it is necessary to prepare a paper on a given topic in the range of 1500 words. Attendance at lectures is strongly recommended. Scale of assessment (preliminary/final): The final evaluation will consist of the final grade, which is calculated as the arithmetic average of the grades for the practical exam (patient examination and medical examination), for the test and for the final oral exam (2 questions). Evaluation of the test: A: 91-100 %, B: 81-90 %, C: 73-80 %, D: 66-72 %, E: 60-65 %, Fx: less than 60 %	
Learning outcomes: Students gain an overview of diseases and injuries of the musculoskeletal system. Become familiar with developmental and acquired diseases, specificities of developmental diseases, their diagnosis and treatment options, focusing on prevention and screening examinations, become familiar with therapeutic options of skeletal trauma, can separately consider the possible therapeutic approaches based on the interpretation of X-ray findings. Acquire basic algorithms of treatment of acute skeletal trauma. After completing the course student is able to diagnose basic degenerative diseases of the skeleton and suggest possible treatment. Has a complete overview of the current state of knowledge and surgical treatment options, as well of reconstructive and acute orthopedics.	
Class syllabus: <ul style="list-style-type: none"> - Introduction to clinical examination of the musculoskeletal system, basic inspection, manual examination and special examination methods. - Principles of conservative treatment - neurophysiological effects, physiotherapy, occupational therapy, ortho-prosthetics. - Principles of surgical treatment. - Pathophysiology of fractures and soft tissue injuries, therapeutic procedures and principles of treatment. 	

- Diagnosis and treatment of bone tumours, tumours of muscles and tendons by anatomical site.
- Diagnosis and treatment of congenital and acquired diseases of skeletal system.
- Diagnosis and treatment of diseases of the upper limb, including damage to muscles, tendons and fractures.
- Diagnosis and treatment of pelvic fractures and diseases - congenital dysplasia (DDH), conservative and surgical treatment.
- Diagnosis and treatment of diseases of the lower limb, including damage to muscles, tendons and fractures.
- Basic principles of arthroplasty.
- Congenital deformities of the spine and rib cage, their diagnosis and treatment.
- Degenerative diseases of the spine, diagnosis - possibilities of conservative and surgical treatment.
- Diagnosis and treatment of diseases of the musculoskeletal system in children.
- Orthopedic diseases of senile age, treatment options.

Recommended literature:

Essential Orthopaedics and Trauma, 5th Edition, David J. Dandy and Dennis J. Edwards, Imprint: Churchill Livingstone, ISBN: 978-0-443-06718-, Copyright: 200, 504 Pages

Review of Orthopaedics, 6th Edition, Mark D. Miller, Stephen R. Thompson and Jennifer Hart, Reference

Imprint: Saunders, ISBN: 978-1-4377-2024-2, Copyright: 2012, 896 Pages

Handbook of Fractures, Kenneth A. Egol, Kenneth J. Koval, Joseph David Zuckerman, Philadelphia: Lippincott Williams & Wilkins, 2006. ISBN: 0-7817-9009-, 3 Pp. 685

Oxford Handbook of Orthopaedics and Trauma, Gavin Bowden, Martin McNally, Simon Thomas, and Alexander Gibson, ISBN: 978-0-19-856958-9, 02 September 2010, 656 pages,

Languages necessary to complete the course:

English language

Notes:

Past grade distribution

Total number of evaluated students: 0

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

Lecturers: MUDr. Libor Nečas, PhD., MUDr. Marek Rovňák, MUDr. Zoltán Cibula, PhD., MUDr. Maroš Hrubina, PhD., MUDr. Michal Chmúrny, PhD., MUDr. Stanislav Křivánek, PhD., MUDr. Marian Melišík, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KORL/J-S-VL-569/19	Course title: Otorhinolaryngology
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 1 per level/semester: 42 / 14 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites: JLF.ÚA/J-S-VL-503/16 - Anatomy (3) and JLF.ÚFy/J-S-VL-516/16 - Physiology (2) and JLF.KVVTCh/J-S-VL-522a/22 - Surgical Propedeutics (2)	
Course requirements: Condition - completed practical lessons at 100%. At least 20% of practical lessons can be justified. Compensation for missed pract.lessons will usually be made in the credit week. Scale of assessment (preliminary/final): Student Assessment conducted by a practical exam, test with 10 questions a final oral answer – 2 questions. 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, exammnation, therapy 2./Pharynx and oral cavity - anatomy, physiology , pathology, history, exammnation, therapy 3./Larynx - anatomy, physiology, pathology, history, exammnation, therapy 4./Suffocation in E.N.T. , E.N.T. surgery 5./ Ear I - anatomy, physiology, pathology, history, exammnation, therapy 6./ Ear II - hearing examination /speech, tuning forks, audiometry/ , vestibular system 7./ E.N.T.endoscopy 8./ Medical record ,individual work with patient,varia 9./ Operation room, varia 10./ Medical record ,individual work with patient,varia	

Recommended literature:

- 1.Becker,W. et al.: Ear, Nose, and Throat Diseases , Thieme,1994 ,583pp.
- 2.Colman, H.B.: Hall Colman's Diseases of the nose, Throat and Ear,and Head and neck.,Churchill 3. <https://portal.jfmed.uniba.sk/autori.php?tid=134> - elektronické skriptá

Languages necessary to complete the course:

English language

Notes:**Past grade distribution**

Total number of evaluated students: 334

A	ABS0	B	C	D	E	FX
65,57	0,0	17,37	10,48	3,29	3,29	0,0

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

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KDCh/J-S-VL-586/19	Course title: Pediatric Surgery
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / ,5 per level/semester: 7 / 7 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: Surgery 2	
Course requirements: a) Successful completion of all seminars and practical exercises. b) Elaboration of a seminar work on a topic corresponding to state examination from pediatric surgery. Scale of assessment (preliminary/final): continuous	
Learning outcomes: The graduate knows the concept, content and basics of pediatric surgery, its diagnostic and examination methods, basic therapeutic procedures and techniques. The graduate knows the most common and most serious congenital and acquired surgical diseases of children. He is familiar with the specifics of childhood and the main differences in the management of pediatric and adult surgical patients.	
Class syllabus: Lectures focused on the specifics of surgical diseases in childhood, neonatal surgery, principles of fetal surgery and the specifics of chest and abdominal trauma in children. Practical exercises aimed at acquiring basic skills in handling surgical instruments, classical and laparoscopic suturing, working at the patient's bedside, in the operating room and the pediatric surgery clinic. Seminar work focused on specific surgical diseases of childhood in the range of state examination in pediatric surgery.	
Recommended literature: Dragula M.: Moderné trendy v detských chirurgických odboroch 1-3. 1.vyd. Turany : Tlačiareň P +M, 2019. ISBN 978-80-7228-747-5 Šnajdauf J, Škába R et al: Dětská chirurgie. 1. vyd. Praha : Karolinum, 2005. 395 s. ISBN 80-7262-329-X Vidiščák, M. a kol: Novorodenecká chirurgia I. Krivá : M-SERVIS s.r.o., 2008. 225 s. ISBN 978-80-969978-1-7	

Šnajdauf, J., Cvachovec, K., Trč, T. et al: Detská traumatologie. Praha : Galén, 2002. 180 s. ISBN 80-7262-152-1
Puri P.: Pediatric Surgery I, II. Berlin : Springer-Verlag, 2020. 658 s. ISBN 978-3-662-43587-8
Davenport M., Geiger J.: Operative Pediatric Surgery. 8th ed. New York : CRC Press, 2020. 887 p. ISBN 978-0-815-37000-0
Puri p., Hollwarth M.E.: Pediatric Surgery. 2nd ed. Berlin : Springer-Verlag, 2019. 664 p. ISBN 78-3-662-56280-2
Puri P: Newborn Surgery. 2. vyd. London : Arnold, 2003, 955 s. ISBN 0-340-76144-X
Grosfeld JL, O'Neill JA jr, Fonkalsrud EW, Coran AG: Pediatric Surgery I., II., 6. vyd. Philadelphia : Mosby Elsevier, 2006. 2146 s. ISBN 13 978-0-323-02842-4
Journal of Pediatric Surgery
Seminars in Pediatric Surgery

Languages necessary to complete the course:

English

Notes:

Past grade distribution

Total number of evaluated students: 84

A	ABS0	B	C	D	E	FX
98,81	0,0	0,0	1,19	0,0	0,0	0,0

Lecturers: MUDr. Marián Molnár, PhD., MBA, doc. MUDr. Milan Dragula, PhD., doc. MUDr. Dalibor Murgaš, PhD.

Last change: 14.03.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KDD/J-S-VL-571/19	Course title: Pediatrics (1)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 28 / 28 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites: JLF.KDD/J-S-VL-547/22 - Pediatric Propedeutics	
Course requirements: 90% attendance of the practicals; elaboration of the complete medical record at the last practical lesson with the active discussion about the patients's evaluation with the teacher Scale of assessment (preliminary/final): monitoring student activity	
Learning outcomes: The student acquires the basic theoretical and clinical knowledge in the diagnosis and treatment of diseases referred in Brief syllabus, with focusing on their specifications in different age periods.	
Class syllabus: Gastroesophageal reflux disease, diagnosis and treatment Physiological newborn Acute conditions in endocrinology Vasculitis and differential diagnosis of arthralgia in childhood Acute dehydration - etiology and treatment in children Malabsorption and malnutrition in childhood Valvular heart diseases in childhood Fever in children, differential diagnosis and treatment	
Recommended literature: Šagát, T., Šašinka, M., Kovács, L., Bánovčin, P. a kol. <i>Pediatrics I,II</i> . Bratislava: Herba 2019. 1736 s. ISBN 978-80-89631-90-2 Jakušová Ľ., Buchanec, J., Bánovčin, P. a kol.: <i>Dorastové lekárstvo</i> . Martin: Osveta, 1: vydanie, 2014. ISBN 978-80-8063-419-3 Jeseňák, M., Bánovčin, P. a kol. <i>Vrodené poruchy imunity</i> . Bratislava: A-medi manažment s.r.o. 2014 580 s. ISBN 978-80-970825-6-7 K. Maťašová: <i>Neonatólogia nielen pre medikov</i> , P+M Turany, 2021, 254s., ISBN: 9788089694808 L.Časnocha Lúčanová: <i>Infekcie novorodencov</i> . P+M Turany, 2019, 120s., ISBN: 9788089694600 Bánovčin, P., Zibolen, M. a kol. <i>Základné informácie o materskom mlieku a dojčení pre pracovníkov v zdravotníctve</i> . Bratislava: A-medi manažment s.r.o. 2016, 112 s. ISBN:978-80-89797-17-2 Fedor, M. a kol.: <i>Intenzívni péče v pediatrii</i> . Osveta, 2006, 461 s., ISBN 8080632170 European Resuscitation Council Guidelines 2021. voľne dostupný internetový zdroj: https://cprguidelines.eu/	

Nichols, D.G. a kol.: Roger's textbook of Pediatric Intensive Care. Fourth edition. Lippincott Williams Wilkins, 2008. 1839 s.
Časopis Pediatria /vyd. SAMEDI Bratislava

Languages necessary to complete the course:

English language

Notes:

Past grade distribution

Total number of evaluated students: 347

A	ABS0	B	C	D	E	FX
99,42	0,29	0,0	0,29	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Bánovčin, CSc., doc. MUDr. Ľubica Jakušová, PhD., prof. MUDr. Mgr. Miloš Jeseňák, PhD., MBA, MUDr. Peter Ďurdík, PhD., MUDr. Anna Ďurdíková, PhD., doc. MUDr. Zuzana Havlíčková, PhD., MUDr. Stanislava Suroviaková, PhD., MUDr. Lenka Turoňová, PhD., MUDr. Jarmila Vojtková, PhD., doc. MUDr. Slavomír Nosál', PhD., prof. MUDr. Katarína Maťašová, PhD., prof. MUDr. Mirko Zibolen, CSc.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KDD/J-S-VL-572/19	Course title: Pediatrics (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: 3	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.KDD/J-S-VL-571/19 - Pediatrics (1)	
Course requirements: 90% attendance at practicals, medical record work out at last practical and active discussion with the teacher during practicals Scale of assessment (preliminary/final): monitoring of student's activity	
Learning outcomes: Student will get the theoretical and practical knowledge in diagnosis, differential diagnosis and treatment of selected disorder with attention to their special features in different age periods.	
Class syllabus: Vomiting and abdominal pain – differential diagnosis Inflammatory bowel disorders Inflammatory heart disease Acute respiratory insufficiency, ARDS Acute states in pediatrics: acute renal failure, acute liver failure, acute pancreatitis, diabetic ketoacidosis Chnges in complete blood count, anemias an trombocytopenias in childhood Autoimmune disorders in childhood, Immune system in childhood ant itd disorders Intensive care in neonatology	
Recommended literature: Šagát, T., Šašinka, M., Kovács, L., Bánovčín, P. a kol. <i>Pediatrica I,II</i> . Bratislava: Herba 2019. 1736 s. ISBN 978-80-89631-90-2 Jakušová Ľ., Buchanec, J., Bánovčín, P. a kol.: <i>Dorastové lekárstvo</i> . Martin: Osveta, 1: vydanie, 2014. ISBN 978-80-8063-419-3 Jeseňák, M., Bánovčín, P. a kol. <i>Vrodené poruchy imunity</i> . Bratislava: A-medi manažment s.r.o. 2014 580 s. ISBN 978-80-970825-6-7 K. Maťašová: <i>Neonatológia nielen pre medikov</i> , P+M Turany, 2021, 254s., ISBN: 9788089694808 L.Časnocha Lúčanová: <i>Infekcie novorodencov</i> . P+M Turany, 2019, 120s., ISBN: 9788089694600 Bánovčín, P., Zibolen, M. a kol. <i>Základné informácie o materskom mlieku a dojčení pre pracovníkov v zdravotníctve</i> . Bratislava: A-medi manažment s.r.o. 2016, 112 s. ISBN:978-80-89797-17-2 Fedor, M. a kol.: <i>Intenzivní péče v pediatrii</i> . Osveta, 2006, 461 s., ISBN 8080632170	

European Resuscitation Council Guidelines 2021. voľne dostupný internetový zdroj: <https://cprguidelines.eu/>

Nichols, D.G. a kol.: Roger's textbook of Pediatric Intensive Care. Fourth edition. Lippincott Williams Wilkins, 2008. 1839 s.

Časopis Pediatria /vyd. SAMEDI Bratislava

Languages necessary to complete the course:

English language

Notes:

Past grade distribution

Total number of evaluated students: 261

A	ABS0	B	C	D	E	FX
99,62	0,0	0,0	0,38	0,0	0,0	0,0

Lecturers: prof. MUDr. Peter Bánovčin, CSc., doc. MUDr. Ľubica Jakušová, PhD., prof. MUDr. Mgr. Miloš Jeseňák, PhD., MBA, MUDr. Peter Ďurdík, PhD., MUDr. Anna Ďurdíková, PhD., doc. MUDr. Zuzana Havlíčková, PhD., MUDr. Stanislava Suroviaková, PhD., MUDr. Lenka Turoňová, PhD., MUDr. Jarmila Vojtková, PhD., doc. MUDr. Slavomír Nosál', PhD., prof. MUDr. Katarína Maťašová, PhD., prof. MUDr. Mirko Zibolen, CSc.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KPF/J-S-VL-561/19	Course title: Phthisiology
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / ,5 per level/semester: 7 / 7 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.ÚMI/J-S-VL-518/17 - Microbiology (2) and JLF.ÚFa/J-S-VL-530/21 - Pharmacology (2) and JLF.IK1/J-S-VL-541/19 - Internal Medicine (3)	
Course requirements: 1. Účasť na praktických cvičeniach 100%. 2. Úspešné záverečné hodnotenie. Záverečné hodnotenie prebieha formou písomného alebo online testu. Váha priebežného/záverečného hodnotenia: Test Scale of assessment (preliminary/final): 0,5/0,5 C (1 credit)	
Learning outcomes: Absolvovaním predmetu študent získa aktuálne informácie o epidemiológii, klinickom obraze, diagnostike, diferenciálnej diagnostike, liečbe a prevencii pľúcnej a mimopľúcnej tuberkulózy.	
Class syllabus: Prednášky: 1. Etiológia, patogenéza, epidemiológia a klinický obraz tuberkulózy pľúc 2. Diagnostika tuberkulózy pľúc. Klasifikácia tuberkulózy 3. Liečba tuberkulózy. Mimopľúcna tuberkulóza. Netuberkulózne mykobakteriózy Cvičenia: V prípade prezenčnej výučby: 1. Klinické prejavy pľúcnej tuberkulózy, klasifikácia tuberkulózy. Vyšetrenie pacientov – rozbor subjektívnych ťažkostí a objektívneho fyzikálneho nálezu. 2. Diagnostické vyšetrovacie metódy. Diferenciálna diagnostika, Liečba tuberkulózy. Rozbor pacientov vyšetrených počas prvého praktického cvičenia s ohľadom na zostavenie plánu pomocných vyšetrení pre diagnostiku a diferenciálnu diagnostiku, zostavenie plánu liečby. Na záver druhého praktického cvičenia sa uskutočňuje záverečné hodnotenie formou písomného testu. Alternatívne sa môže test realizovať online formou v prostredí Moodle. V prípade dištančnej výučby: Obsah oboch cvičení sa združuje do jednej schôdzy v MS Teams. Vyučujúci prezentuje niekoľko interaktívnych kazuistík. V rámci každej z nich študenti formou online hlasovania prezentujú svoje stanovisko k procesu diagnostiky, diferenciálnej diagnostiky a liečby. Výsledky hlasovania sú vyučujúcim prezentované a komentované. Nasleduje záverečné hodnotenie online formou v prostredí Moodle.	

Recommended literature:

Raviglione MC. Tuberculosis. In: Jameson J, Fauci AS, Kasper DL, Hauser SL, Longo DL, Loscalzo J. eds. Harrison's Principles of Internal Medicine, 20e. McGraw Hill; 2018.
<https://accessmedicine.mhmedical.com/content.aspx?bookid=2129§ionid=192023354>
Frieden T. Toman, s Tuberculosis. Case Detection, Treatment and Monitoring. Geneva: WHO, 2004, 350 pp. ISBN 92 4 154603 4.

Languages necessary to complete the course:

anglický

Notes:**Past grade distribution**

Total number of evaluated students: 256

A	ABS0	B	C	D	E	FX
78,52	0,0	16,02	4,3	1,17	0,0	0,0

Lecturers: doc. MUDr. Robert Vyšehradský, PhD., MUDr. Anna Bobčáková, MUDr. Ján Červeň, MUDr. Ľuboš Hamada, MUDr. Ivana Žiačiková

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.PK/J-S-VL-549/19	Course title: Psychiatry (2)
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 1 per level/semester: 28 / 14 Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites: JLF.PK/J-S-VL-548/18 - Psychiatry (1) and JLF.NIK/J-S-VL-545/18 - Neurology (1)	
Course requirements: Requirements to apply for examination. - The participation in practicals is compulsory 13 times - The participation in lectures is compulsory for at least 2-times - Favourable results during running controls - Favourable results in test Check in the course of practicals. Evaluation till the end of 14th week: active participation in practicals; permanent study check (control question), examination of patients, case reports and analysis, 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 % Final evaluation: evaluation during practicals = 20%; oral or test exam = 80% Examination: oral exam or test exam Scale of assessment (preliminary/final): 20/80	
Learning outcomes: After completion of the subject the 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, in principles of first aid in psychiatry. He/she has knowledges about legal status of mentally ill. Student fulfils requirements for basics of communication with mentally ill patients and communication with another specialists and psychiatrists.	
Class syllabus: Lectures: 1. Affective disorders I. Depressive disorders. 2. Affective disorders II. Manic disorders. Bipolar affective disorders. / 3. Schizophrenia, schizotypal disorder, persistent delusional disorders, schizoaffective disorder. 4. Reactive disorders, neurotic disorders. Posttraumatic stress disorders. Adjustment disorders.	

Somatoform disorders. Eating disorders. Sleep disorders.

5. Psychoactive substance use disorders. Psychoactive substance dependence due to alcohol and other drugs. Abuse and harmful use, dependence, intoxication, withdrawal state.

6. Organic and symptomatic mental disorders. Old age psychiatry.

7. Child and adolescent psychiatry.

Practicals:

1. Affective disorders I. Depressive disorders.

2. Affective disorders II. Manic episode. Bipolar affective disorder.

3. Persistent affective states. Other affective disorders and affective disorders not otherwise specified. Differential diagnosis and treatment of affective disorders.

4. Schizophrenia.

5. Persistent delusional disorders. Delusional disorders (paranoia), paraphrenia.

6. Schizotypal disorder. Schizoaffective disorders.

7. Reactive disorders, neurotic disorders. Posttraumatic stress disorder. Adjustment disorder.

Neurosis, somatoform disorders

8. Personality disorders and conduct disorders. Specific personality disorders.

9. Alcoholism. Clinical findings, complication, alcoholic psychoses.

10. Other drug dependences. Clinical findings, intoxication, and withdrawal phenomena.

11. Symptomatic mental disorders. Symptomatic and organic mental disorders. Basic concepts, clinical features, diagnosis, treatment.

12. Organic mental disorders. Dementias and other organic mental disorders. Mental retardation.

13. Child psychiatry. Mental disorders of childhood and adolescence. Diagnosis and treatment.

Psychiatric sexology.

14. Some legal aspects and matters of organization in psychiatry. Practical aspects of care in psychiatry. Forensic services.

Recommended literature:

Compulsory literature:

x Geddes, J. et al. Psychiatry. 4th ed. Oxford: Oxford University Press Inc., New York 2012.

477 s. ISBN 978-0-19-923396-0 x Gelder, M. et al. Psychiatry. Oxford: Oxford University Press, 2006. 333 s. ISBN 0-19-852863-9 x Black, D.W., Andreasen, N.C. Introductory Textbook of Psychiatry. Washington: American Psychiatric Publishing, 5th ed., 2011. 717 s. ISBN 978-1-58562-382-2(alk.Paper), ISBN 978-1-58562-400-3 (pbk.: alk paper) Gelder, M. et al. Oxford Textbook of Psychiatry. Oxford: Oxford University Press, 1998. 944 s. ISBN

0-19-262501-2 Moore, D. P., Jefferson, J. W. Handbook of Medical Psychiatry. St. Louis: Mosby,

1996. 545 s. ISBN 0-8151-6484-X Andreasen, N. C., Black, D. W. Introductory Textbook of

Psychiatry. Washington: American Psych. Press, 1991. 565 s. ISBN 0-88048-112-9 Kolibáš,

E. Introduction to Clinical Psychiatry. Bratislava: EKOL, 1996. 107 s. ISBN 80-967610-0-5

Janicak, P.G. Handbook of Psychopharmacotherapy. Philadelphia: Lippincott Williams &

Wilkins, 1999. 391 s. ISBN 0-683-30722-3 Stefan, M. et al. An Atlas of Schizophrenia. London:

Parthenon Publ. Group, 2002. 98 s. ISBN 1-85070-074-5 Sartorius, N., Schulze, H. Reducing the

Stigma of Mental Illness. Cambridge: Cambridge University Press, 2005. 238 s. ISBN 13: 978-

0-521-54943-1

Languages necessary to complete the course:

english

Notes:

Past grade distribution						
Total number of evaluated students: 359						
A	ABS0	B	C	D	E	FX
47,35	0,0	28,41	16,43	5,01	2,79	0,0
Lecturers: doc. MUDr. Igor Ondrejka, PhD., MUDr. PhDr. Igor Hrtánek, PhD., MUDr. Miloslav Oppa, PhD.						
Last change: 06.04.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚVZ/J-S-VL-618/19	Course title: Public Health (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: 2	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.ÚVZ/J-S-VL-617/19 - Public Health (1)	
Course requirements: EVALUATION OF THE COURSE 1. Active attendance at the practicals: 4 points for each session max. 12 points 2. Pre-exam test: 14 questions – 2 points each max. 28points 3. Final oral examination (the student draws 2 questions) 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) Attendance at the practicals is obligatory. 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. Scale of assessment (preliminary/final): 100/100	
Learning outcomes: After completion of the subject the student understands epidemiological methods, basic terms of medical statistics, features of epidemic process, immunization and vaccination, disinfection, disinsection, rodent control, main characteristics of communicable diseases occurrence, epidemiology of chronic non-communicable diseases and their primary, secondary and tertiary prevention, essential terms of tropical and travel medicine	
Class syllabus: Epidemiology – historical introduction, basic terms of epidemiology of communicable diseases (source, infectious agent, outbreak area, epidemic process and its conditions, features), principles of control of communicable diseases, preventive and repressive measures (measures in outbreak area),	

Epidemic measures in practice Prevention of hospital infections Epidemiological classification of infectious diseases, international cooperation in communicable disease control Epidemiological method, population approach in study of diseases, descriptive methods, population and sample, determining of normality and abnormality, validity of diagnostic methods Analytic epidemiological studies (observational studies, intervention studies), screening, introduction to clinical epidemiology, principles of evidence based medicine Vaccinology - epidemiological importance, trends and perspectives. Vaccination schedule Essentials of travel and tropical medicine Epidemiology of chronic diseases, population intervention methods of prevention and health promotion Population health in Slovakia, Europe and World Multifactorial etiology of non-communicable diseases. Risk factors and their evaluation Evaluation of cardiovascular risk Epidemiology and prevention of oncologic diseases. Current problems of epidemiology in European and Global context, a role of international institutions (WHO, ECDC)

Recommended literature:

OBLIGATORY LITERATURE

Špaleková, M.: EPIDEMIOLOGY FOR STUDY OF PUBLIC HEALTH - Vol. 1, 1st Ed., Comenius University in Bratislava, 2015, 162p, ISBN: 978-80-223-3933-9 https://zona.fmed.uniba.sk/fileadmin/lf/sucasti/Teoreticke_ustavy/Ustav_epidemiologie/2020-2021ZS/Epidemiology_Vol.I..pdf

Špaleková, M.: EPIDEMIOLOGY FOR STUDY OF PUBLIC HEALTH - Vol. 2, 1st. Ed., Comenius University in Bratislava, 2015, 86p, ISBN: 978-80-223-3934-6 https://zona.fmed.uniba.sk/fileadmin/lf/sucasti/Teoreticke_ustavy/Ustav_epidemiologie/2020-2021ZS/Epidemiology_II.Vol..pdf

RECOMMENDED LITERATURE

Beaglehole, R., Bonita, R., Kjellström, T. Basic epidemiology. 2nd edition, Geneva:WHO, 2006. 213 pp. ISBN 92-4-154707-3

Ahrens, W., Pigeot, I.: Handbook of Epidemiology. Springer, 2014, 2498 p.

Preventing Chronic Diseases. A Vital Investment. WHO Global Report. Ženeva:WHO, 182 s. ISBN 92-4-156300-1

<https://apps.who.int/iris/handle/10665/43328>

Global Status Report on NCDs. 2014 Geneva: World Health Organization. ISBN: 978 92 4 156485 4 : https://apps.who.int/iris/bitstream/handle/10665/148114/9789241564854_eng.pdf

Global health risks. 2009 Geneva: World Health Organization. https://www.who.int/healthinfo/global_burden_disease/GlobalHealthRisks_report_full.pdf

ECDC. Immunisation and vaccines. <https://www.ecdc.europa.eu/en/immunisation-and-vaccines>

Centers for Disease Control and Prevention <http://www.cdc.gov/>

World Health Organization www.who.int

Languages necessary to complete the course:

english

Notes:

Past grade distribution

Total number of evaluated students: 266

A	ABS0	B	C	D	E	FX
57,89	0,0	25,94	12,78	2,63	0,75	0,0

Lecturers: prof. MUDr. Henrieta Hudečková, PhD., MPH, prof. MUDr. Tibor Baška, PhD., Mgr. Martin Novák, PhD.

Last change: 06.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚPF/J-S-VL-638/22	Course title: Simulation Team Training in Medicine
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / 1 per level/semester: 7 / 14 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 9.	
Educational level: I.II.	
Prerequisites:	
Recommended prerequisites: not applicable	
Course requirements: 100% attendance Scale of assessment (preliminary/final): final evaluation	
Learning outcomes: Implementation of the subject Simulation education of teams in medicine will create a platform for training of interprofessional education, the platform allows training of algorithms and communication of teams in emergency management of anaphylactic shock, failure of basic vital functions, shock states, acute coronary syndromes, strokes, endangering intoxications and disorders of homeostasis, etc. After completing this elective course, students will improve the existing deficits in their procedural and soft skills - especially interprofessional doctor-nurse communication and teamwork.	
Class syllabus: SBTT Students complete 7 courses during the semester, each undergo SCE - simulated clinical experiences using a high fidelity simulator and a team of experts from the Medical Education Support Center, which will explain the basic principles of management of selected conditions based on current guidelines, explain the competencies of the nurse / doctor, who performs what, who is responsible for what, explains the principles of effective communication in the team, always taking into account the current selected acute situation, and in the simulation they will train these procedures together in procedural skills that are necessary to manage emergencies (provision of IV periphery and central vein, intraosseous approach, ECG loading, defibrillation, intubation, ABDCE examination, provision of oxygenation and ventilation, etc.) Basics of communication while working in a team SBTT Anaphylactic shock SBTT Acute coronary syndrome SBTT Trauma, bleeding, shock SBTT Stroke	

SBTT Intoxications, homeostasis disorders SBTT Failure of vital functions						
Recommended literature: Levine et al., The Comprehensive Textbook of Simulation in Medicine. ISBN-13: 978-1461459927, Springer Michaelsen et al., Team-Based Learning: Small Group Learning's Next Big Step: New Directions for Teaching and Learning (J-B TL Single Issue Teaching and Learning) ISBN-13: 978-0470462126						
Languages necessary to complete the course: English Language						
Notes:						
Past grade distribution Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. MUDr. Jana Plevková, PhD.						
Last change: 28.03.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚVZ/J-S-VL-614/19	Course title: Social and Ethical Aspects in Health Care
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: 9.	
Educational level: I.II.	
Prerequisites: JLF.ÚVZ/J-S-VL-617/19 - Public Health (1)	
Course requirements: ppt (max. 50 p.), test (max. 50 p.) Evaluation: A: 91–100 %, B: 81–90 %, C: 73–80 %, D: 66–72 %, E: 60–65 %, FX: 59 % and less Scale of assessment (preliminary/final): 0/100	
Learning outcomes: After completion of the subject the student is able to solve social and ethical problems related to health care providing. The student is able to apply social communication among health care workers and in physician-patient relations. The student understands the importance of respect of human life since conception to death.	
Class syllabus: Social and ethical problems of communication in health care providing. Social and ethical aspects of health care providing to woman, mother and child. Social and ethical aspects of health care providing in geriatrics. Social and ethical aspects of health care providing to handicapped patients. Social and ethical aspects of health care providing to dying patients. Social and ethical aspects of transplantations and blood donorship.	
Recommended literature: Recommended literature: VAJDA J.: Úvod do etiky, ENIGMA Nitra, 2004, s. 251, ISBN 80-89132-12-X MUNZAROVÁ M.: Lékařský výzkum a etika, GRADA Praha, 2005, s. 120, ISBN 80-247-0924-4 TATE P.: Komunikace pro lékaře, GRADA Praha, 2005, s. 164, ISBN 80-247-0911-2	
Languages necessary to complete the course: english	
Notes:	

Past grade distribution						
Total number of evaluated students: 0						
A	ABS0	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PhDr. Marta Tkáčová, PhD.						
Last change: 07.04.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023						
University: Comenius University Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚFa/J-S-VL-601/19		Course title: Student Scientific Activity (4)				
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:						
Recommended prerequisites: None						
Course requirements: Práca pod dohľadom školiteľa na pracoviskách. Prezentácia výsledkov na konferencii alebo publikácia článku vo vedeckom/odbornom časopise (nepovinný výstup)! Scale of assessment (preliminary/final): 100/0						
Learning outcomes: The students obtains skills (under supervision of his/her tutor) in laboratory work, using various scientific methods, statistical analysis and presentation of results at scientific conferences. He/she learns how to prepare a scientific publication.						
Class syllabus: Work at departments/clinics under supervision of a tutor. The selection of topic is individual based on an interest of the student and on yearly updated offer (list of topics). The preparation and presentation of results at Student Scientific Conferences. Preparation of scientific papers.						
Recommended literature: Hanacek J, Javorka K et al. Introduction to scientific work. Martin, 2011, Jessenius Faculty of Medicine, Comenius University. ISBN 978-80-88866-95-4. p. 196.						
Languages necessary to complete the course: English						
Notes:						
Past grade distribution Total number of evaluated students: 3						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. Michal Šimera, PhD.						

Last change: 29.03.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023						
University: Comenius University Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.ÚFa/J-S-VL-602/19		Course title: Student Scientific Activity (5)				
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:						
Recommended prerequisites: None						
Course requirements: Laboratory or clinical work under supervision of tutor at departments. Presentation of results at conference or publication of paper in a scientific journal (optional). Scale of assessment (preliminary/final): 100/0						
Learning outcomes: The students obtains skills (under supervision of his/her tutor) in laboratory work, using various scientific methods, statistical analysis and presentation of results at scientific conferences. He/she learns how to prepare a scientific publication.						
Class syllabus: Work at departments/clinics under supervision of a tutor. The selection of topic is individual based on an interest of the student and on yearly updated offer (list of topics). The preparation and presentation of results at Student Scientific Conferences. Preparation of scientific papers.						
Recommended literature: Hanacek J, Javorka K et al. Introduction to scientific work. Martin, 2011, Jessenius Faculty of Medicine, Comenius University. ISBN 978-80-88866-95-4. p. 196.						
Languages necessary to complete the course: English						
Notes:						
Past grade distribution Total number of evaluated students: 2						
A	ABS0	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. Michal Šimera, PhD.						

Last change: 29.03.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.GPK/J-S-VL-579/19	Course title: Summer Practice-Gynecology and Obstetrics
Educational activities: Type of activities: practice Number of hours: per week: per level/semester: 80s Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.GPK/J-S-VL-563/19 - Gynecology and Obstetrics (2)	
Course requirements: Clinical practice at the department of gynecology and obstetrics at the hospital-type department as a secondary physician for 2 weeks (80 hours in total). Scale of assessment (preliminary/final): Continuous.	
Learning outcomes: Credits	
Class syllabus: Clinical practice in the range of basic diagnostic and therapeutic procedures, assistance in childbirth, caesarean sections, and gynecological surgery.	
Recommended literature: Cunningham, F. et al.: Williams Obstetrics. Williams Obstetrics 26e. McGraw Hill / Medical; 26th edition, 2022, 1328 s., ISBN-13: 978-1260462739. Hoffman, B. et al.: Williams Gynecology. McGraw-Hill / Medical; 4th ed., 2020, 1328 s., ISBN-13: 978-1260456868.	
Languages necessary to complete the course: English	
Notes:	
Past grade distribution Total number of evaluated students: 258	
ABS0	M
100,0	0,0
Lecturers: doc. MUDr. Kamil Biringer, PhD., doc. MUDr. Erik Kúdela, PhD., prof. MUDr. Ján Danko, CSc., MUDr. Michaela Hrtánková, PhD., MUDr. Zuzana Laučeková, PhD., MUDr. Ivana Chmúrna, PhD., MUDr. Petra Kasajová, PhD., MUDr. Jana Siváková, PhD.	
Last change: 07.04.2022	

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.KDD/J-S-VL-580/19	Course title: Summer Practice-Pediatrics
Educational activities: Type of activities: practice Number of hours: per week: per level/semester: 80s Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.KDD/J-S-VL-572/19 - Pediatrics (2)	
Course requirements: activity evaluation, credit Scale of assessment (preliminary/final): to master basic diagnostic and therapeutic procedures in pediatrics, to become familiar with the administrative procedures in pediatric clinic	
Learning outcomes: to master basic diagnostic and therapeutic procedures in pediatrics, to become familiar with the administrative procedures in pediatric clinic	
Class syllabus: dispensarization, immunization, routine preventive physical examinations, therapeutics, medical records	
Recommended literature: Behrman, R. E. Kliegman, R.M., Jenson, H.B. Nelson Textbook of Pediatrics. Philadelphia: W. B. Saunders Comp., 2011. ISBN 978143770755 Lissauer, T., Clayden, G. Illustrated textbook of Paediatrics. 2004. 410 s. ISBN 0-7234-3178-7 Behrman, R.E. Essentials of Pediatrics. Philadelphia: W.B.Saunders Comp., 2000. 795 pp. Allen, Hugh D. et al. Moss and Adams' Heart Disease in Infants, Children and Adolescents, Including the Fetus and Young Adult. Philadelphia: Lippincott Williams & Wilkins, 2001. 1468 pp.	
Languages necessary to complete the course: English language	
Notes: VL students can have a summer practice: 1. at the Department of Children and Adolescents of JLF UK 2. at the Department of Pediatric Tuberculosis and Respiratory Diseases at ŠUDTaRCH in Dolný Smokovec 3. in hospitals with which JLF UK has a contract 4. Abroad, subject to prior agreement with subject guarantor	

Past grade distribution	
Total number of evaluated students: 258	
ABS0	M
100,0	0,0
Lecturers: prof. MUDr. Peter Bánovčín, CSc., doc. MUDr. Ľubica Jakušová, PhD., prof. MUDr. Mgr. Miloš Jeseňák, PhD., MBA	
Last change: 07.04.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚVZ/J-S-VL-589/19	Course title: Tropical 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: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.ÚVZ/J-S-VL-617/19 - Public Health (1)	
Course requirements: Evaluation of the course <ul style="list-style-type: none"> • Active attendance at the practicals: 3 points for each session (max. 24 points) • Compilation of health-travel characteristics of a country of student's choice situated in Africa, Asia or Latin America (max. 38 points) until end of the 7th week of the semester The characteristics in extend of 1-2 pages should contain items as follows: <ul style="list-style-type: none"> o general characteristics of the country (climate, cultural, economic and political characteristics) o specific health-related risks o recommended and required vaccinations o malaria (risk, possibly areas under risk and seasons, effective chemoprophylaxis) o other health-related risks <ul style="list-style-type: none"> • Written test: 19 questions – 2 points each (max. 38 points) Final evaluation (max. 100 points): Achieved points Evaluation 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) For successful completion of the course, at least 60 points in final evaluation are needed. Scale of assessment (preliminary/final): 0/100	
Learning outcomes: After completion of the subject the student understands of tropical medicine, specific features of epidemiology and management of communicable and non-communicable diseases in conditions of tropical and subtropical zones, health aspects of travelling	
Class syllabus: Definitions of terms and classification	

Specific features of epidemiology and management of communicable and non-communicable diseases in tropical and subtropical zones
 Intestinal infections in the tropics and subtropics
 Respiratory infections (airborne infections) in the tropics and subtropics
 Skin and external mucosae diseases in the tropics and subtropics
 Blood infections in the tropics and subtropics
 The most important parasitic diseases and tropic and subtropical zones
 Health disorders caused by heat and sun radiation
 Nutrition associated diseases in developing countries
 Essentials of travel medicine – vaccination of travellers, recommendations and counselling, topical information resources, international regulations (International Health Regulations - IHR).

Recommended literature:

OBLIGATORY LITERATURE

<https://moodle.uniba.sk/>

CDC. Traveller's health. <https://wwwnc.cdc.gov/travel/>

WHO Travel Advice: <https://www.who.int/travel-advice>

RECOMMENDED LITERATURE

WHO Neglected tropical diseases: <https://www.who.int/health-topics/neglected-tropical->

Languages necessary to complete the course:

english

Notes:

Past grade distribution

Total number of evaluated students: 5

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

Lecturers: prof. MUDr. Tibor Baška, PhD.

Last change: 07.04.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023						
University: Comenius University Bratislava						
Faculty: Jessenius Faculty of Medicine in Martin						
Course ID: JLF.UK/J-S-VL-578/22			Course title: Urology			
Educational activities: Type of activities: practicals Number of hours: per week: 4,5 per level/semester: 63 Form of the course: on-site learning						
Number of credits: 3						
Recommended semester: 9.						
Educational level: I.II.						
Prerequisites: JLF.ChKTC/J-S-VL-523/22 - Surgery (1)						
Course requirements: Test						
Learning outcomes: Basic knowledge of urology: embryology, anatomy, physiology, pathology, pathophysiology, etiology, pathogenesis, diagnosis and treatment of urogenital diseases						
Class syllabus: Examination of urological patient, symptoms of urogenital disorders, urine sampling and analysis Instrumentation in urology, acute urinary retention, basic andrology (infertility, erectile dysfunction, sperm bank) Radiological, ultrasonographic and radionuclide examination in urology. Basic urodynamic investigation. Differential diagnosis of hematuria Differential diagnosis of urological disorders. Emergency in urology. Treatment of urinary tract infection. Cadaverous program, hemodialysis and kidney transplantation						
Recommended literature:						
Languages necessary to complete the course: English Language						
Notes:						
Past grade distribution Total number of evaluated students: 69						
A	ABS0	B	C	D	E	FX
17,39	0,0	37,68	26,09	10,14	8,7	0,0
Lecturers: doc. MUDr. Ján Ľupták, PhD., MUDr. Róbert Dušenka, PhD., MBA, prof. MUDr. Ján Kliment, CSc., prof. MUDr. Ján Švihra, PhD., MUDr. Ján Dargaj, MUDr. Ján Švihra, PhD., MUDr. Kamil Javorka, PhD.						
Last change: 21.03.2022						
Approved by:						

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Jessenius Faculty of Medicine in Martin	
Course ID: JLF.ÚVZ/J-S-VL-610/19	Course title: Vaccinology
Educational activities: Type of activities: practicals / lecture Number of hours: per week: ,5 / ,5 per level/semester: 7 / 7 Form of the course: on-site learning	
Number of credits: 1	
Recommended semester: 10.	
Educational level: I.II.	
Prerequisites: JLF.ÚVZ/J-S-VL-617/19 - Public Health (1)	
Course requirements: EVALUATION OF THE COURSE Requirements to successfully complete the course: To complete the course, three basic conditions should be fulfilled: 1. active attendance in seminars: compulsory attendance in seminars – in case of absence, the student should substitute the missing seminars through consultation with the respective teacher 7x4 (28 points) 2. well arranged preparation of the 1st theme in a form of an ppt presentation (max. 36 points) until mid of the semester 3. well arranged preparation of the 2nd theme in a form of an ppt presentation (max. 36 points) until end of the semester Final evaluation (max. 100 points): Achieved points Evaluation 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) At least 60 points in total evaluation are needed to compete the course. Scale of assessment (preliminary/final): 0/100	
Learning outcomes: After completion of the subject the student understands basic principles of prevention by vaccination, the effect of vaccines in individuals on herd immunity, public health significance of vaccination strategies and their implication in the society.	
Class syllabus: Public Health importance of vaccination in Slovakia. Legislation related to vaccination in Slovakia, the National Immunization Program. Composition, types and kinds of vaccines. The principles	

of appropriate immunization and appropriate vaccination techniques. Management of vaccination. Management of vaccines. Post vaccination reactions and contraindications. Vaccination of specific population groups. Current trends in vaccinology. Evaluation of immunization strategies, monitoring and control of vaccination.

Recommended literature:

OBLIGATORY LITERATURE

PLOTKIN, S.A et al. Plotkin's Vaccines. 7th Ed. 2018, Elsevier, .1690 pp. ISBN: 978-0-323-35761-6 (<https://www.sciencedirect.com/book/9780323357616/plotkins-vaccines>)
World Health Organization www.who.int
<http://www.ecdc.europa.eu>

RECOMMENDED LITERATURE

HUDEČKOVÁ, H., ŠVIHROVÁ, V.: Očkovanie. Martin, Osveta, 2013, 221 s. ISBN 978-80-80633-96-7
CDC. Epidemiology and Prevention of Vaccine-Preventable Diseases. The Pink Book. <https://www.cdc.gov/vaccines/pubs/pinkbook/index.html>

Languages necessary to complete the course:

english

Notes:

Past grade distribution

Total number of evaluated students: 0

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

Lecturers: prof. MUDr. Henrieta Hudečková, PhD., MPH

Last change: 07.04.2022

Approved by: