

University: Slovak Medical University in Bratislava					
Faculty: <i>Faculty of Medicine</i>					
Subject code: <i>GM 047</i>			Subject name: <i>Clinical Genetics</i>		
Type, scope and method of educational activities: <i>Per semester in hours: 14</i> <i>Lectures: 14/weekly 1 hour.</i> <i>Exercise: 0</i> <i>(Total student workload is 25 hours)</i> <i>Method of educational activity face-to-face (distance1)</i> <i>Form of study: full-time</i>					
Total of credits: <i>1 credit</i>					
Recommended semester/trimester of study: <i>9th semester</i>					
Degree of study: <i>1st + 2nd degree (MUDr.)</i>					
Conditional subjects:					
Conditions for completing the course: The criterion for successful completion of the subject is 100% participation in practical teaching, Completion of the subject: CE– Current Evaluation: Final test: minimum success rate: 70%. The student's workload in indirect teaching is 11 hours. It includes preparation for lectures and a final test					
Learning outcomes: <i>The student will acquire an overview of the detection, molecular nature and diagnostic methods of genetically determined diseases and pathological conditions with use in medical practice.</i>					
Course contents: <i>Genetic diseases, origin, distribution.</i> <i>Congenital developmental defects (VVCH), constitutional and acquired chromosomal anomalies, multifactorial VVCH of children and adults,</i> <i>Basics of syndromological diagnosis,</i> <i>Monogenic diseases and their molecular basis,</i> <i>The most common hereditary disease encountered by the clinician.</i> <i>Rare genetic diseases and syndromes of childhood,</i> <i>Oncogenetics</i> <i>DNA diagnostics. Sequencing, panel diagnostics,</i> <i>Genetics of reproductive disorders, prenatal genetic diagnosis procedures and methods.</i> <i>Preimplantation diagnostics, diagnostics from extracellular DNA.</i> <i>Treatment and prevention of genetic diseases,</i> <i>genetic consultation,</i> <i>Place of genetics in contemporary medicine, Ethical problems in clinical genetics.</i>					
Recommended literature: <i>Thompson & Thompson Genetics in Medicine</i> <i>.Authors: Robert Nussbaum, Roderick McInnes, Huntington Willard, 8th Edition 2015 Paperback ISBN: 978143770696</i> <i>New Clinical Genetics, Fourth Edition, 2020, Autor: Read Andrew, Paperback, ISBN :9781911510703:</i> <i>Lectures.</i>					
Language, the knowledge of which is necessary to pass the course: <i>English Language</i>					
Notes: The subject is taught in English Language					
Subject evaluation Total number of assessed students: 0					
A	B	C	D	E	FX
0%	0%	0%	0%	0%	0%
Teaching: <i>Doc. MUDr. RNDr. Juraj Šimko, PhD,</i> <i>RNDr. Regina Lohajová Behulová, PhD</i> <i>MUDr. Iveta Ml̄kva, CSc,</i> <i>RNDr. Renata, Lukačková</i> <i>RNDr. Andrea Blahová</i>					
Date of last change: <i>16.12.2021</i>					

Approved by: *the person responsible for the implementation, development and quality assurance of the study program, prof. MUDr. Iveta Šimková, CSc.*