


University of Niš Faculty of Medicine	Study program: INTEGRATED ACADEMIC STUDIES OF MEDICINE <i>ACCREDITATION 2018</i>	
Course: Clinical embryology		
Course head: Prof. dr Ivan R. Nikolić		
Course status:	Elective	
Semester: X	Study year: V	
ECTS: 3	Course code: M-V-44.b	
Course purpose:		
During the course, students will be reminded of the basic principles of human development and learn about congenital anomalies and their clinical significance, including the methods of pre- and post-natal diagnosis and therapy.		
Course outcome: (knowledge, skills, attitudes)		
Upon completion of the course, students will be acquainted with current diagnosis and therapy of congenital anomalies of the fetus, neonatus, children and adults, within various disciplines – gynecology, pediatrics, surgery, radiology etc., and to choose timely some of the subspecialist areas which undoubtedly represent the future of clinical medicine, having in mind the ever increasing prevalence of congenital developmental anomalies.		
No. of classes of active teaching: 45		
Lectures: 15	Practice: 30	
Course content		
<p><u>Theoretical instruction</u> will be the basis of the course, since diagnosis and treatment of congenital anomalies most often do not coincide with the planned practical classes (theory classes will involve case presentations). Theoretical teaching classes will focus on: general principles of human development, division and significance of congenital anomalies, teratogenic factors, genetic diseases, diagnostic procedures used to confirm developmental disorders, fertilization, sterility, assisted reproduction technology, stem-cell therapy, contraception, disorders in the I, II, and III week of development, extraembryonal structure disorders, disorders of all systems – their diagnosis, therapy, and forensic significance.</p>		
<p><u>Practice</u> classes will be dedicated to basic diagnostic principles (ultrasound, CT, NMR) and therapy of congenital anomalies with case presentations in teaching bases (clinics of pathology, gynecology & obstetrics, pediatrics, pediatric surgery, ENT diseases, dermatovenerology, radiology, forensic medicine (Research center of the Faculty).</p>		
Recommended literature:		
<ol style="list-style-type: none"> 1. Embriologija čoveka (Nikolić i sar, 2015) 2. Medical Embryology (Sadler, 2012) 3. Human Embryology (Carlson, 2004) 4. The Developing Human - Clinically Oriented Embriology (Moore, 2003) 5. Aktuelni specijalizovani udžbenici patologije, radiologije, neonatologije, pedijatrije, ginekologije i hirurgije 		
Teaching methods:		
<ul style="list-style-type: none"> ▪ Interactive theoretical and practical teaching ▪ Consultations 		
Required previously passed exams:		
None		
Grade (max. 100 points)		
Pre-exam obligations		
<ul style="list-style-type: none"> ▪ Activity at classes: 0 – 30 points 		
Final exam		
<ul style="list-style-type: none"> ▪ Written exam: 36 – 70 points 		