

CLINICAL ANATOMY	
GENERAL INFORMATION	
Course coordinator	Associate Professor Igor Lekšan, MD, PhD
Assistant/Associate	Professor Robert Selthofer, MD, PhD Associate Professor Antonio Kokot, MD, PhD Assistant Professor Antun Šumanovac, MD, PhD
Study Programme	Integrated undergraduate and graduate university study of Medicine
Status of the course	Elective
Year of study, semester	2 nd year, 4 th semester
ECTS	2
Workload (hours)	Lectures (5); Seminars (10); Exercises (10)
Expected number of students	30
COURSE DESCRIPTION	
Course objectives	
After the completed course students will learn the interpretation of radiological findings and its correlation with anatomical structures and most common pathological conditions	
Enrolment requirements and entry competencies	
Completed cours of Anatomy.	
Learning outcomes at the Programme level	
1.1., 1.2., 2.1., 2.2., 2.3., 3.5.	
Learning outcomes (5-10)	
After the completed course students will learn:	
<ol style="list-style-type: none"> 1. The application of anatomy in clinical cases 2. To recognize anatomical structures on X-ray, ultrasound and MRI. 3. Correlation of clinical signs and radiological findings. 4. Most common surgical approaches in correlation with surrounding anatomical structures. 5. Clinical manifestation of most common pathological conditions in correlation with surrounding anatomical structures. 	
Course content	
The cours Clinical anatomy is showing clinical applications of anatomy and topography in pathological conditions. Contents of the course includes topography of head and neck, upper and lower limbs, thoracic and abdominal cavity and basics of X-ray, ultrasound and MRI. The aim of this course is correlation of preclinical knowledge with its clinical application.	
Lectures:	
<ol style="list-style-type: none"> 1. Clinical anatomy 2. Clinical anatomy of locomotor system 3. Clinical anatomy of pelvis 4. Clinical anatomy of abdominal cavity 5. Clinical anatomy of abdominal cavity 	

Seminars:

1. Access to the venous system
2. Clinically most important arteries
3. Organ projections on thoracic and abdominal wall
4. Topographic anatomy of upper respiratory tract
5. Intubation, tracheostomy and CPR

Exercises:

1. Clinical case I
2. Clinical case II
3. Clinical case III

Mode of teaching

Lectures; Seminars; Exercises

Student obligations

Students are expected to attend all class sessions, as well as to take all the examinations. However, they are allowed for excused absences, totalling 30% of all classes.

Monitoring student work (*alignment of learning outcomes, teaching methods, and grading*)

Teaching activity	ECTS	Learning outcome	Student activity	Assessment methods	Grade points	
					Min.	Max.
Class attendance	0,5	1-5	Class attendance; exercises	Evidence sheet; evaluation	5	20
Seminars and exercises	0,5	1-5	Clinical cases	Solving of clinical cases	15	30
Final exam	1	1-5	Learning for written exam	Grading of written exam	30	50
Ukupno	2				50	100

Evaluation of final exam:

Percentage of correct answers (%)	Grade points
60.00-69.99	30
70.00-79.99	35
80.00-89.99	40
90.00-94.99	45
95.00-100.00	50

Calculation of final grade:

Students who achieved 30 or more points in the final exam, the points obtained in the final exam are added to the grade points obtained during the class, and this sum constitutes the final grade. Since the study program schedule descriptive assessment of elective courses, the course coordinator awards the grade "passed" to a student who achieves 50 or more grade points in the course.

Required reading (available in the library and through other media)

Title	Number of copies in the library	Availability through other media
1. Gray's Anatomy for Students, Richard Drake Faaa-Mar 08, 2019.		
2. Clinically Oriented Anatomy, Keith L. Moore Msc Hon. Dsc Fiac-Sep 13, 2017.		
3. Nikolić V., Keros P. Klinička anatomija čovjeka, Zagreb, 2000. Naklada Ljevak (odabrana poglavlja)		
4. Krmpotić-Nemanić J. Anatomija čovjeka, Zagreb 1993. Medicinska Naklada, 5. pretiskano izdanje (odabrana poglavlja)		

Additional reading

1. Atlas of Human Anatomy, Frank H. Netter-Mar 13, 2018
2. Netter's Anatomy Coloring Book, John T. Hansen-Feb 28, 2018
3. Marušić A, Krmpotić-Nemanić J. Anatomija čovjeka 2001. Medicinska naklada
4. Kahle W, H Leonhardt, W Platzer: Sustav organa za pokretanje, Zagreb 1989. JUMENA, 4. prerađeno izdanje; Utrobni organi, Zagreb 1990. JUMENA, 4. prerađeno izdanje; Živčani sustav i osjetila, Zagreb 1996. Medicinska Naklada, 4.pretiskano izdanje
5. Keros P., Krmpotić - Nemanić J., Vinter I.: Perovićeva anatomija čovjeka, Medicinski fakultet Sveučilišta u Zagrebu, 1989.
6. Sobotta: Atlas of Human Anatomy. Urban and Schwartzberg, Munchen, 1983.
7. Sinelnikov R.D.: Atlasa anatomii človeka. Medicina. Moskva 1988.
8. Pernkopf: Atlas of Topographical and Aplied Anatomy. Urban and Schwartzberg, Munchen, 1980.
9. Toldt - Hochstetter: Anatomski atlas. JUMENA Zagreb, Urban and Schwartzberg, Munchen, 1980.

Course evaluation procedures

Anonymous, quantitative, standardized student survey providing feedback on the course as well as on the work of course coordinators and their assistants/associates is being conducted by the QA Office of the Faculty of medicine Osijek.

Note /Other

E-learning does not count towards course contact hours, but is being used in teaching and comprises links to various web pages, as well as video and audio materials available on web pages.