

Course description

Part 1

General information about the course		
1. Major of study: medicine	2. Study level: unified MSc	
4. Year: VI	3. Form of study: intramural	
6. Course name: Family Practice Sub-I - radiology	5. Semester: 11	
7. Course status: required		
8. Course contents nad assigned learning outcomes Student knows indications, contraindications, the course of studies and typical radiological image, and using appropriate imaging technique is able to find, name, and characterize diseases of musculoskeletal system, breast, urogenital system, respiratory system, the heart, vascular system, nervous system, gastrointestinal system, and children diseases. Learning outcomes / reference to learning outcomes indicated in the standards For knowledge – student knows and understands: F.W10, E.W24, E.W7, F.W1, E.W26,, F.W13 For skills student can do: F.U7, ... - For social competencies student is ready to: - include necessary information on referral document for imaging study - 1.3 9) - decide whether an imaging study is urgent or not – 1.3 9) - decide when and which study is necessary in a diagnostic process – 1.3. 5)		
9. Number of hours for the course:		40
10. Number of ECTS points for the course <i>*for the whole block of family practice sub-I</i>		9,5
11. Methods of verification and evaluation of learning outcomes		
Learning outcomes	Methods of verification	Methods of evaluation*
Knowledge	Multiple Choice Questions, MCQ	*
Skills	Multiple Choice Questions, MCQ – image based questions; Observation	*
Competencies	Observation	*

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved

Z komentarzem [U1]: Wpisać symbole szczegółowych efektów uczenia się w zakresie wiedzy, przypisane do grupy zajęć w ramach której jest realizowany przedmiot, np. grupa zajęć A wpisać efekty AW... z standardów

Z komentarzem [U2]: Wpisać symbole szczegółowych efektów uczenia się w zakresie umiejętności przypisane do grupy zajęć w ramach której jest realizowany przedmiot, np. grupa zajęć A wpisać efekty AU... z standardów

Course description

Part 2

Other useful information about the course		
12. Name of Department, mailing address, e-mail: Katedra Radiologii i Medycyny Nuklearnej ul. Medyków 14, 40-752 Katowice oskar.bozek@sum.edu.pl		
13. Name of the course coordinator: Oskar Bożek		
14. Prerequisites for knowledge, skills and other competencies: Gross anatomy Physics: ionizing radiation, mechanical wave, electromagnetism Principles of Imaging Techniques (Xray, CT, MRI, US, Angiography)		
15. Number of students in groups	In accordance with the Senate Resolution	
16. Study materials	For classes located in the hospital: lab coat and shoes, working account in 365.sum.edu.pl domain.	
17. Location of classes	Education and Medical Simulation Centre, Medyków 8b, Katowice UCK im. prof. K. Gibińskiego, ul. Medyków 14, Katowice	
18. Location and time for contact hours	Individually	
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
C_K01	Student knows indications, contraindications, the course of studies and typical radiological image in diseases of musculoskeletal system	F.W10, F.U7, F.W1.
C_K02	Student knows indications, contraindications, the course of studies and typical radiological image in diseases of respiratory system	F.W10, E.W24, E.W7, F.W1.
C_K03	Student knows indications, contraindications, the course of studies and typical radiological image in diseases of the breast	F.W10, E.W24 E.W26
C_K04	Student knows indications, contraindications, the course of studies and typical radiological image in diseases of urogenital system	F.W10, E.W24, E.W7
C_K05	Student knows indications, contraindications, the course of studies and typical radiological image in diseases of vessels	F.W10, E.W7
C_K06	Student knows indications, contraindications, the course of studies and typical radiological image in diseases of the heart	F.W10, E.W7
C_K07	Student knows indications, contraindications, the course of studies and typical radiological image in diseases of gastrointestinal system	F.W10, E.W24, E.W7, F.W1.
C_K08	Student knows indications, contraindications, the course of studies	F.W10, E.W3,

	and typical radiological image in pediatrics diseases	F.W2
C_K09	Student knows indications, contraindications, the course of studies and typical radiological image in diseases of nervous system	F.W10 E.W14, E.W24, F.W1, F.W13
C_S01	Using appropriate imaging technique student is able to find, name, and characterize diseases of musculoskeletal system	F.W10, F.U7, F.W1.
C_S02	Using appropriate imaging technique student is able to find, name, and characterize diseases of respiratory system	F.W10, E.W24, E.W7, F.W1.
C_S03	Using appropriate imaging technique student is able to find, name, and characterize diseases of the breast	F.W10, E.W24 E.W26
C_S04	Using appropriate imaging technique student is able to find, name, and characterize diseases of urogenital system	F.W10, E.W24, E.W7
C_S05	Using appropriate imaging technique student is able to find, name, and characterize diseases of vessels	F.W10, E.W7
C_S06	Using appropriate imaging technique student is able to find, name, and characterize diseases of the heart	F.W10, E.W7
C_S07	Using appropriate imaging technique student is able to find, name, and characterize diseases of gastrointestinal system	F.W10, E.W24, E.W7, F.W1.
C_S08	Student knows indications, contraindications, the course of studies and typical radiological image in pediatrics diseases	F.W10, E.W3, F.W2
C_S09	Using appropriate imaging technique student is able to find, name, and characterize diseases of nervous system	F.W10 E.W14, E.W24, F.W1, F.W13
20. Forms and topics of classes		Number of hours
21.1. Lectures		10
Cardiac Imaging		2
Neuroradiology		2
Musculoskeletal Imaging		2
Pediatrics Imaging		2
Abdominal Imaging		2
23.3. Labs		30
Musculoskeletal		3
Chest		3
Breast		3
Urogenital		3
Vessels and Interventional Radiology		3
Cardiac		3
Gastrointestinal		3
Pediatrics		3
Neuroradiology		3
Repetition		3
24. Readings		
Essentials of Radiology, Fourth Edition, Mettler, Fred A., MD, MPH		
Learning Radiology: Recognizing the Basics, Fourth Edition, Herring, William, MD, FACR		
25. Detail evaluation criteria		

In accordance with the recommendations of the inspection bodies
Completion of the course – student has achieved the assumed learning outcomes
Detail criteria for completion and evaluation of the course are specified in the course regulations