



SYLLABUS – RDG Lectures and Practicals - 4 th class - General Medicine –

II. Radiology Clinic, Heydukova

RDG Lectures:

Lecturers of rdg lectures:

prof. Viera Lehotská , PhD.

assoc. prof. Andrej Klepanec, PhD.

- Topics:**
1. RTG
 2. USG
 3. Brest Imagine
 4. CT
 5. MR
 6. IR

Názov	Upravené	Upravitel/-a
1. RTG english .mp4	30. septembra	Mihalová Zuzana
3. breast imaging.mp4	8. októbra	Mihalová Zuzana
5. MR_introduction.mp4	21. októbra	Mihalová Zuzana
6. Interventional radiology.mp4	28. októbra	Mihalová Zuzana
CT - introduction.mp4	14. októbra	Mihalová Zuzana
CT_english_cases_komentar.mp4	14. októbra	Mihalová Zuzana
INTRODUCTION TO RADIOLOGY_final.pptx	6. septembra	Lehotská Viera
Ultrasound_eng_students_2022.mp4	8. októbra	Mihalová Zuzana

All rdg lectures are available on MS Teams, in the files,

RDG Practicals:

Attendance at all practicals is obligatory! The order of the practicals can change!

Lecturers of rdg practicals

Vanovcanova Lucia, MD, PhD

Valkovic Lukas, MD, PhD

Bobik Ondrej MD, PhD,

Rudnay Maros MD, PhD



Attendance at all practicals is obligatory! The order of the practicals can change!

1st rdg practicals

Basic principles, indications , contraindications, side effects of radiation.

Radiography

- Chest Xray- indications, basic pathologies, terminology, correct reporting
- Abdominal X ray- indications, basic pathologies
- Skeletal X ray - indications, basic pathologies, (trauma evaluation, focal, diffuse changes, degenerative changes, foreign bodies)

Fluoroscopy-

- principle, contrast agents, procedures (examination of esophagus, stomach, large intestine), basic pathological signs
- Intravenous urography

Presentation of imaging examinations and training of reporting of X ray examinations

2nd rdg practicals

CT – principle, indications, contraindications, preparation of patients, contrast agents used,

- Basic indications and pathologies in neuroradiology
- Basic indications and pathologies of respiratory organs
- Basic indications and pathologies in gastroenterology
- Basic indications and pathologies in gynecology
- Basic indications and pathologies in urology

MR– principle, indications, contraindications, preparation of patients, contrast agents used, basic sequences

- Basic indications and pathologies in neuroradiology
- Basic indications and pathologies in gastroenterology
- Basic indications and pathologies in gynecology
- Basic indications and pathologies in urology

Presentation of imaging examinations and training of reporting of MR, CT examinations



3rd rdg practicals

Ultrasound imaging

- Principle, transducers, US- modes
- Indications, preparation of the patients
- Advantages, disadvantages
- Terminology
- Pictures of basic focal pathologies
- Doppler examination

Breast Imaging

- Epidemiology, risk factors of breast cancer, screening
- Mammography- indications, principle, breast cancer signs
- Ultrasound - indications, principle, signs of basic pathologies
- MRI- indications, contraindications
- Interventions (FNAB, core cut biopsy, vacuum assisted biopsy)
- Male breast cancer

Presentation of imaging examinations, practical presentation of US imaging.