

Introduction to Internal Medicine, summer semester 2024/2025,

2nd year, General Medicine

Lecture hall, building No 4 (Bory)

Thursday 11:00 – 13:30 (or 11:00 – 12:15 and 12:15 – 13:30 if divided in two parts)

		Department	Lecturer
20.2.	Introduction to clinical propedeutics. <i>Patient – physician interaction. Medical history (anamnesis). Symptoms and signs. Principles of physical examination – inspection, percussion, palpation, auscultation. Organisation of hospital work. Medical documentation.</i>	2 nd Dept Internal Med	Prof. Filipovský
27.2.	Patient's general condition / examination of head and neck. <i>Vital signs, level of consciousness, hydration, skin colour, oedemas, fever etc. / Physical examination of head and neck.</i>	2 nd Dept Internal Med	Dr. Křížek
6.3.	Examination of chest, lungs and breast. <i>Introduction in chest examination, breast examination. Symptoms and signs of respiratory tract diseases. Physical examination of the lungs, pulmonary syndromes.</i>	2 nd Dept Internal Med	Prof. Rosolová
13.3.	Examination of the heart, blood pressure and pulse measurement. <i>Symptoms and signs of cardiac diseases. Physical examination of the heart. Blood pressure and heart rate measurement and their 24-hour monitoring.</i>	2 nd Dept Internal Med	Prof. Filipovský
20.3.	Examination of the abdomen <i>Symptoms and signs of gastrointestinal diseases. Physical examination of the abdomen and abdominal organs, digital rectal examination</i>	2 nd Dept Internal Med	Prof. Rosolová
27.3.	Physical examination of the musculoskeletal system. Examination in rheumatology. <i>Examination of upper and lower extremities, examination of vertebral column. Symptoms and signs of degenerative and inflammatory musculoskeletal disorders. Laboratory tests and graphic methods used in the diagnostics of rheumatic diseases.</i>	Dept Clin Pharmacology	Dr. Voříšek/ Dr. Suchý
3.4.	Biochemical laboratory methods <i>Principles of laboratory testing in clinical medicine. Indications and usefulness of laboratory testing. Pre-analytical, analytical and post-analytical phases of testing. Sampling of</i>	Dept Clin Biochem Haematol	Dr. Rajdl

	<i>biological material. Laboratory screening in hospitalized patients.</i>		
10.4.	Diagnostic imaging methods 1 <i>Differences in the indications of skiagraphy, skiascopy, ultrasonography, computer tomography, magnetic resonance imaging, scintigraphy and the hybrid methods that include positron emission tomography. Preparation of patient before the examination, side effects of imaging methods; catheterisation methods and interventional radiology, therapy with radionuclides. Indication of imaging methods in lung diseases and pulmonary circulation, in diseases of heart, coronary arteries, aorta, peripheral arteries and veins.</i>	Dept Imaging Methods	Prof. Ferda
17.4.	Normal electrocardiogram / non-invasive cardiac tests <i>Principles of ECG recording. Description of waves and intervals. Heart rate and rhythm. / echocardiography, exercise stress testing, ecg monitoring, head-up tilt test</i>	2 nd Dept Internal Med	Prof. Filipovský/ Dr. Nussbaumerová
24.4.	Examination in angiology / invasive cardiac tests <i>Examinations of arterial, venous and lymphatic system. Symptoms and signs of vessel diseases. Ankle-brachial index, ultrasonography of arteries and veins and other methods./Left and right cardiac catheterisation, electrophysiological testing, myocardial biopsy.</i>	2 nd Dept Internal Med / Dept Cardiol.	Doc. Hirmerová /Prof. Bernat
7.5.*	Diagnostic imaging methods 2 <i>Indication of imaging methods in diseases of gastrointestinal tract, liver, biliary tract, pancreas, kidney, and urinary tract. Indication of imaging methods in endocrine, metabolic and autoimmune diseases, in fever and sepsis of unknown origin. Indication of imaging methods in oncologic and haematologic diseases, in patients with impaired consciousness and critically ill patients</i>	Dept Imaging Methods	Prof. Ferda
15.5.	Haematological laboratory methods, examination in clinical haematology <i>Blood diseases and their symptoms Physical examination in haematology</i>	Dept Clin Biochem Haematol	Prim. Hajšmanová/ dr. Krupičková Jánská

	<i>Basic laboratory methods (blood cell count, myelogram, bone marrow aspirate and examination)</i> <i>Blood coagulation screening tests</i>		
22.5.	Pathologic ECG findings <i>Deviation of heart axis, left and right ventricle hypertrophy, ECG patterns in coronary heart disease. Arrhythmias.</i>	2 nd Dept Internal Med	Prof. Filipovský
	Final test, credit		

***Because of the schedule change, the lecture will be given on Wednesday**

Students have the possibility to record the seminars and to upload them on MOODLE.

The presence in 6 of above mentioned seminars, 3 practicals, and the final test is mandatory for the credit.

Literature

Jitka Mlíková Seidlerová et al. Introduction to internal medicine. Triton 2020.

Ladislav Chrobák et al. Physical examination in internal medicine. Grada 2003.

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