

48SJ-INM58
ECTS: 4
YEAR: 2024Z

INTERNAL MEDICINE 5/8
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COURSE CONTENT
CLASSES

Topics of Bedside teaching: Cardiology (10h) 1. Mitral and aortic valve stenosis. Mitral and aortic valve insufficiency. Imaging techniques in valvular disease. 2. Cardiomyopathies: hypertrophic, dilatative. Pulmonary hypertension. 3. Heart failure with preserved systolic function of left ventricle. Heart failure with impaired systolic function of left ventricle. Imaging techniques in heart failure. Pharmacologic treatment in heart failure. Nephrology (5h) 1. Access to hemodialysis. Principles of artificial kidney operation. Water purification for hemodialysis. Monitoring of HD session. Endocrinology (5h) 1. Hormonally active and inactive pituitary gland tumors. Gastroenterology (12h) 1. X-ray based imaging techniques in GI diseases. 2. Diarrhea and GI infections. 3. Diseases of pancreas and gallbladder. 4. Assessment of nutritional condition of the patient. Topics of seminars: Cardiology (3h+2h) 1. Acquired valvular heart diseases: clinical presentation. 2. Inherited valvular heart diseases in adults: clinical presentation. 3. Clinical diagnosis of chronic heart failure. 4. Infectious diseases of the heart. 5. Heart pacing – indications and techniques. 6. Syncope – differential diagnosis and algorithms. Hematology (5h) 1. Diagnosis and treatment of thrombocytopenia. 2. Lymphomas. 3. Myelodysplastic syndromes. Rheumatology (4h) 1. Systemic connective tissue disorders: SLE, scleroderma, dermatomyositis, polymyalgia rheumatica. 2. Spondyloarthropathies. 3. Osteoarthritis, gout and other pathologies secondary to crystal deposition within joints and tissues. 4. Acute and life-threatening situations in rheumatoid disease. Paraneoplastic syndromes in rheumatology. Pulmonology (6h) 1. Pneumonia 2. Atypical disorders of respiratory system. 3. Interstitial diseases of the lungs. 4. Tuberculosis and other mycobacterial diseases. 5. Acute and chronic respiratory failure. 6. Rare diseases of respiratory system.

LECTURES

LECTURES (sem.IX) GI symptomatology. Diseases of upper gastrointestinal tract. Diseases of gut, biliary tract and pancreas. Sleep respiratory disorders. Tuberculosis. Signs and symptoms of respiratory system diseases. Asthma and Chronic Obstructive Pulmonary Disease. Pneumonia and pulmonary hypertension. Autoimmune diseases of GI tract and digestive organs. Malignancies of GI tract and digestive system. Diagnosis and treatment of hematogenic malignancies. Diagnosis of anemia. Bleeding disorders. Signs symptoms and general characteristics of rheumatoid diseases. Rheumatoid arthritis.

EDUCATIONAL OBJECTIVE:

EDUCATIONAL OBJECTIVE: Etiology, pathophysiology, epidemiology, diagnosis and treatment of pulmonary, cardiac, hematologic, allergic and metabolic diseases.

DESCRIPTION OF LEARNING OUTCOMES FOR THE COURSE IN RELATION TO FIELD AND MAJOR LEARNING OUTCOMES

Codes of learning outcomes in a major field of study:	M/NM+++,
Codes of learning outcomes in a major area of study:	E.U1.+ , E.U13.+ , E.U14.+ , E.U16.+ , E.U24.+ , E.U28.+ , E.U29.+ , E.U3.+ , E.U30.+ , E.U32.+ , E.U7.+ , E.W1.+ , E.W40.+ , E.W41.+ , E.W42.+ , K.1.+ , K.2.+ , K.3.+ , K.5+ ,

LEARNING OUTCOMES:

Knowledge

- W1 - The student knows and understands the environmental and epidemiological of the most common diseases
- W2 - The student knows an understands theoretically and practically laboratory diagnosis
- W3 - The student knows and understands advances and limits of lab tests
- W4 - The student knows and understads identifies indications for monitored therapy

Skills

- U1 - TThe student can takes history in an adult patient.
- U10 - The student is able to collect material for research used in laboratory diagnostics.
- U11 - The student can performs basic medical procedures and treatments, including: body temperature measurement, heart rate measurement, non-invasive blood pressure measurement, monitoring of vital signs with a cardiomonitor, pulse oximetry, spirometric test, oxygen treatment, assisted and replacement ventilation, oropharyngeal tube insertion, intravenous, intramuscular and subcutaneous injections, peripheral venous cannulation, peripheral venous blood collection, blood culture collection, arterial blood collection, arterialized capillary blood collection, nasal, throat and skin swab collection, puncture of the pleural cavity, bladder catheterization in women and men, gastric dipping, gastric lavage, enema, standard resting electrocardiogram with interpretation, electrical cardioversion, cardiac defibrillation, simple test strips and blood glucose measurement
- U2 - The student can assist in the following medical procedures and procedures: transfusion of blood and blood products, drainage of the pleural cavity, puncture of the pericardium, puncture of the peritoneal cavity, lumbar puncture, fine needle biopsy, epidermal tests, intradermal and scarification tests and interpret their results
- U3 - The student can plans specialist consultations.
- U4 - The student can performs general and detailed physical exam of an adult patient.
- U5 - The student can analyses general status, alertness and consciousness of the patient.
- U6 - The student can describes physical and psychiatric condition of the patient.
- U7 - The student can diagnoses life-threatening conditions
- U8 - The student can plans diagnostic, therapeutic and prophylactic activities
- U9 - The student can interprets lab test results and their abnormal values

Course/module:

INTERNAL MEDICINE 5/8

Fields of education:

Course status: mandatory
Course group: B - przedmioty kierunkowe

ECTS code:

Field of study: Medicine

Specialty area: Medicine

Educational profile: General academic

Form of study: full-time

Level of study: uniform master's studies

Year/semester: 5 / 9

Type of course:

Classes, Seminar, Lecture

Number of hours per semester/week: Classes: 50, Seminar: 6, Lecture: 4

Teaching forms and methods

Classes(K1, K2, K3, K4, U1, U10, U11, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4) ; Seminar(W1, W2, W3, W4) ; Lecture(W1, W2, W3, W4) :

Form and terms of the verification results:

CLASSES: Competention test - Written credit (multiple-choice test) - 60 questions concerning the topic covered on respective semester.(K1, K2, K3, K4, U1, U10, U11, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4) ; SEMINAR: Part in the discussion - Attendance on seminars and discussions participation.(K1, K2, K3, K4, U1, U10, U11, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4) ; LECTURE: Evaluation of the work and cooperation in the group - Attendance on lectures(K1, K2, K3, K4, U1, U10, U11, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4)

Number of ECTS points: 4

Language of instruction: English

Introductory courses:

physiology, pathophysiology, internal medicine

Preliminary requirements:

Preliminary requirements: background of anatomy, physiology and pathophysiology, knowledge of the internal medicine (sem. 5-8)

Name of the organizational unit offering the course:

Katedra Kardiologii i Chorób Wewnętrznych,

Person in charge of the course:

dr n. med. Piotr Cygański,

Course coordinators:

Notes:

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Social competence

K1 - The student is ready to be guided by the good of the patient

K2 - The student is ready to respects patients' privacy and patients' rights.

K3 - The student is ready to able to establish and keep a profound and respectful relationship with a patient and show understanding of worldview and cultural differences

K4 - The student is aware of noticing and recognizing own limitations and self-assessment of deficits and educational needs

BASIC LITERATURE

1) Siegenthaler W, Differential Diagnosis in Internal Medicine. Saunders 2012., wyd. Thieme, 2011 ; 2) Kumar & Clarks Saunders , Clinical medicine, wyd. Elsevier, 2009 ; 3) Boone N.A., Colledge N.R – Editors, Churchill Livingstone , Davidson's Principles & Practice of Medicine, wyd. Elsevier, 2012

SUPPLEMENTARY LITERATURE

Detailed description of the awarded ECTS points - part B

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The awarded number of ECTS points is composed of:

1. Contact hours with the academic teacher:

- participation in: classes	50 h.
- participation in: seminar	6 h.
- participation in: lecture	4 h.
- consultation	2 h.
	62 h.

2. Student's independent work:

-	38 h.
	38 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 100 h : 25 h/ECTS = 4,00 ECTS
on average: **4 ECTS**

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	2,48 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	1,52 ECTS points,