

48SJ-INM68

ECTS: 1

YEAR: 2024L

INTERNAL MEDICINE 6/8
INTERNAL MEDICINE 6/8**COURSE CONTENT
CLASSES**

Seminars Gastroenterology 1. GI symptomatology. Clinical manifestations, diagnosis and treatment of gastroesophageal reflux disease. 2. Current guidelines of acute pancreatitis management. 3. Colorectal cancer – symptoms, diagnostic tests and methods of its prevention. Management of inflammatory bowel diseases in the light of ECCO statements. Hematology 1. Diagnosis and treatment of thrombocytopenia. 2. Lymphomas. 3. Myelodysplastic syndromes. Rheumatology 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. Pneumonia 2. Covid-19, symptoms, treatment, complications. 3. Interstitial diseases of the lungs. 4. Tuberculosis and other mycobacterial diseases. 5. Acute and chronic respiratory failure. 6. Rare diseases of respiratory system. Cardiology 1. Pathophysiology of coronary artery atherosclerosis. 2. Epidemiology of coronary heart disease. Risk factors – primary and secondary prevention. 3. Clinical aspects of coronary heart disease. Diagnosis and treatment. 4. Pathophysiology of myocardial infarction (STEMI and NSTEMI). 5. Diagnostic and therapeutic algorithms in life threatening conditions in cardiology. 6. Cardiogenic shock 7. Rhythm and conductivity disorders - sudden cardiac death 8. Life threatening conditions in cardiology - pulmonary embolism, aortic aneurysm 9. Acute pericarditis and heart tamponade 10. Acquired valvular heart diseases: clinical presentation. 11. Inherited valvular heart diseases in adults: clinical presentation. 12. Clinical diagnosis of chronic heart failure. 13. Infectious diseases of the heart. 14. Heart pacing – indications and techniques. 15. Syncope – differential diagnosis and algorithms.

LECTURES

1. Diagnosis and treatment of hematogenic malignancies. 2. Diagnosis of anemia. 3. Bleeding disorders. Pulmonology 1. Sleep respiratory disorders. 2. Lung cancer 3. Signs and symptoms of respiratory system diseases. 4. Asthma and Chronic Obstructive Pulmonary Disease. 5. Pulmonary hypertension. Rheumatology 1. Signs symptoms and general characteristics of rheumatoid diseases. 2. Rheumatoid arthritis. Cardiology 1. Myocardial infarction. Coronary artery disease. 2. Myocarditis 3. Pericarditis 4. Infectious endocarditis 5. Heart rhythm disorders 6. Infectious endocarditis 7. Heart rhythm disorders 8. Acquired and inherited valvular heart diseases in adults. Chronic heart failure.

EDUCATIONAL OBJECTIVE:

Etiology, pathophysiology, epidemiology, diagnosis and treatment of respiratory diseases, allergies, heart diseases and hematology 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.U29.+ , E.U3.+ , E.U30.+ , E.U7.+ , E.W40.+ , E.W41.+ , E.W42.+ , E.W7.+ , K.1.+ , K.2.+ , K.3.+ , K.5+ ,

LEARNING OUTCOMES:**Knowledge**

- W1 - The student knows and understands the causes, symptoms, principles of diagnosis in relation to the most common internal diseases in adults and their complications: cardiovascular diseases, respiratory system, digestive system, endocrine system diseases, kidney and urinary tract diseases, hematopoietic diseases, rheumatic diseases, allergic diseases, water and electrolyte disorders
W2 - The student knows and understands theoretically and practically laboratory diagnosis
W3 - The student knows and understands advances and limits of lab tests in emergencies
W4 - Identifies indications for monitored therapy

Skills

- U1 - The student can take history in an adult patient.
U2 - The student can analyse general status, alertness and consciousness of the patient.
U3 - Describes physical and psychiatric condition of the patient
U4 - The student can diagnose life-threatening conditions
U5 - The student can perform general and detailed physical exam of an adult patient
U6 - The student can interpret lab test results and their abnormal values
U7 - The student plans diagnostic, therapeutic and prophylactic activities
U8 - The student can perform 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
U9 - The student can assist in the following medical procedures and procedures: transfusion of blood and blood

Course/module:

INTERNAL MEDICINE 6/8

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 / 10

Type of course:

Seminar, Lecture

Number of hours per semester/week: Seminar: 28, Lecture: 13

Teaching forms and methods

Seminar(K1, K2, K3, K4, U1, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4) : Participation in discussions, attendance at seminars, Lecture(K1, K2, K3, K4, U1, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4) : Discussion of diseases from cardiology, endocrinology, hematology and pulmonology with allergology

Form and terms of the verification results:

SEMINAR: Competence test - 60 questions concerning the topic covered on respective semester IX(K1, K2, K3, K4, U1, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4) ; LECTURE: Evaluation of the work and cooperation in the group - Evaluation of the work and cooperation in the group - Attendance on lectures(K1, K2, K3, K4, U1, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4)

Number of ECTS points: 1

Language of instruction: English

Introductory courses:

anatomy, physiology and pathophysiology, knowledge of the internal medicine (sem. 5-9)

Preliminary requirements:

background of anatomy, physiology and pathophysiology, knowledge of the internal medicine (sem. 5-9)

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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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

Social competence

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

K2 - Puts the patient's good in the first place

K3 - The student is ready to establish and maintain a deep, respectful contact with the patient, as well as show understanding for worldview and cultural differences

K4 - The student is ready to see and recognize his / her own limitations and make a self-assessment of deficits and educational needs

BASIC LITERATURE

1) Siegenthaler W., , Differential Diagnosis in Internal Medicine, wyd. Thieme, 2011 ; 2) Kumar & Clarks Saunders , Clinical medicine, wyd. Elsevier, 2009 ; 3) Boone N.A., Colledge N.R , Davidson's Principles & Practice of Medicine, wyd. Editors, Churchill Livingstone – Elsevier, 2010 ; 4) Lee Goldman, MD and Andrew I. Schafer, MD , Goldman's Cecil Medicine, wyd. Saunders, 2012

SUPPLEMENTARY LITERATURE

1) , -

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: seminar	28 h.
- participation in: lecture	13 h.
- consultation	2 h.
	43 h.

2. Student's independent work:

- preparing the student for classes	-18 h.
	-18 h.

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

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	1,72 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	-0,72 ECTS points,