



48SJ-INM18

ECTS: 4

YEAR: 2022Z

INTERNAL MEDICINE 1/8

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COURSE CONTENT CLASSES

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.

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 (sem. IX) Etiology, pathophysiology, epidemiology, diagnosis and treatment of cardiac diseases (valvular heart disease, cardiomyopathies, heart failure),

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.U3.+ , E.U7.+ , E.W7.+ , K.2.+ , K.3.+ ,

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

Skills

- U1 - The student can takes medical history in an adult patient
- U2 - The student can performs full clinical examination
- U3 - The student can assesses general status and consciousness level
- U4 - The student can assesses and describes somatic and psychological status of the patient
- U5 - The student can diagnosis life-threatening conditions

Social competence

- K1 - The student is ready to oriented towards the patient's benefit .
- K2 - The student is ready to observes patient privacy and patient rights.

BASIC LITERATURE

1) Siegenthaler W., , 1. Differential Diagnosis in Internal , 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, 2010 ; 4) Lee Goldman, MD and Andrew I. Schafer, MD , - Goldman’s Cecil Medicine, wyd. Saunders, 2012 ; 5) Piotr Zaborowski, Beata Moczulska, Monika Kubiak, Krzysztof Tytman, Leszek Gromadziński, Beata Janus, Podstawy badania klinicznego. Basic in clinical examination, wyd. Medi Page, 2016

SUPPLEMENTARY LITERATURE

Course/module:	
INTERNAL MEDICINE 1/8	
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:	3 / 5
Type of course:	
Classes, Seminar, Lecture	
Number of hours per semester/week:	Classes: 40, Seminar: 10, Lecture: 10
Teaching forms and methods	
Classes(K1, K2, U1, U2, U3, U4, U5, W1) : Practical classes - bedside teaching- history taking and physical examination with assistance of a teacher, Seminar(W1) : In seminars pathophysiological background of symptoms of signs are discussed, Lecture(W1) : Lectures cover signs and symptoms in internal medicine and differential diagnosis	
Form and terms of the verification results:	
CLASSES: Colloquium practical - Practical classes - bedside teaching- history taking and physical examination with assistance of a teacher(null) ; SEMINAR: Colloquium test - In seminars pathophysiological background of symptoms of signs are discussed(K1, K2, U1, U2, U3, U4, U5, W1) ; LECTURE: Part in the discussion - Lectures cover signs and symptoms in internal medicine and differential diagnosis(null)	
Number of ECTS points:	4
Language of instruction:	Polish
Introductory courses:	
Introductory courses: physiology, pathophysiology, internal medicine	
Preliminary requirements:	
requirements: background of anatomy, physiology and pathophysiology, knowledge of intro to internal medicine (history taking and physical diagnosis), internal medicine sem. VII and VIII	
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:	

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	40 h.
- participation in: seminar	10 h.
- participation in: lecture	10 h.
- consultation	2 h.
	62 h.

2. Student's independent work:

- reading of lecture notes and handbooks	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,