



48SJ-INM38

ECTS: 3

YEAR: 2023Z

INTERNAL MEDICINE 3/8

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COURSE CONTENT CLASSES

SEMINARS: Chronic kidney disease - part I (definition, diagnosis, monitoring, epidemiology, etiology, clinical characteristics. Chronic kidney disease - part II (organ damage in chronic uremia; treatment of CKD).
CLASSES: Chronic glomerular disease. Nephrotic syndrome and non-nephrotic proteinuria. Microhematuria and hematuria. Presentation of kidney biopsy.

LECTURES

Nephrotic syndrome. Primary glomerular disease. Primary hypertension. Secondary hypertension: renal parenchymal hypertension and renovascular hypertension.

EDUCATIONAL OBJECTIVE:

Etiology, pathophysiology, epidemiology, diagnosis and treatment of renal diseases (nephrotic syndrome, CKD, acute kidney injury, primary and secondary glomerulonephritis).

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.+ , E.W7.+ , K.1.+ , K.2.+ , K.3.+ , K.5+ ,

LEARNING OUTCOMES:

Knowledge

- W1 - The student knows and understands environmental and economical the most common diseases.
- W2 - 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 the causes, symptoms, principles of diagnosis in relation to the most common internal diseases in adults and their complications: kidney and urinary tract diseases
- W3 - The student knows and understands the theoretical and practical basis of laboratory diagnostics
- W4 - The student knows and understands potential and limits of laboratory tests in emergencies
- W5 - The student knows and understands identifies indications for monitored therapy

Skills

- U1 - The student can takes medical history in an adult patient.
- U10 - The student can takes samples for 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 consultations with specialists.
- U4 - The student can performs a complete and targeted physical examination of an adult patient.
- U5 - The student can assesses patient's general condition and the degree of consciousness disorder.
- U6 - The student can assesses and describes somatic and psychological status 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 laboratory test results, explains abnormal results

Social competence

- K1 - The student is ready to establish a deep respectful contact with the patient, as well as to show understanding for worldview and cultural differences
- K2 - The student is ready to be guided by the good of the patient.
- K3 - The student is ready to respects physician-patient privilege and the patient's rights.
- 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

Course/module:

INTERNAL MEDICINE 3/8

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: 4 / 7

Type of course:

Classes, Seminar, Lecture

Number of hours per semester/week: Classes: 25, Seminar: 3, Lecture: 4

Teaching forms and methods

Classes(K1, K2, K3, K4, U1, U10, U11, U2, U3, U4, U5, U6, U7, U8, U9, W3) : Practical classes - Bedside teaching on nephrology, Seminar(W1, W2, W3, W4, W5) : Seminar - Detailed aspects of nephrology, Lecture(W1, W2, W3, W4, W5) : Lecture - Lectures on nephrology

Form and terms of the verification results:

CLASSES: Colloquium test - Nephrology test, 30 questions.(K1, K2, K3, K4, U1, U10, U11, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4, W5) ; SEMINAR: Exam - Nephrology test, 30 questions.(K1, K2, K3, K4, U1, U10, U11, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4, W5) ; LECTURE: Colloquium test - Nephrology test, 30 questions.(K1, K2, K3, K4, U1, U10, U11, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4, W5)

Number of ECTS points: 3

Language of instruction: English

Introductory courses:

physiology, pathophysiology, internal medicine

Preliminary requirements:

background of anatomy, physiology and pathophysiology, knowledge of internal medicine (history taking and physical examination)

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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1) Siegenthaler W., , 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

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: classes	25 h.
- participation in: seminar	3 h.
- participation in: lecture	4 h.
- consultation	2 h.
	34 h.

2. Student's independent work:

- reading of lecture notes and handbooks	22 h.
- student's self-preparation for classes	19 h.
	41 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 75 h : 25 h/ECTS = 3,00 ECTS

on average: **3 ECTS**

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	1,36 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	1,64 ECTS points,