



48SJ-INM38
ECTS: 1.36
CYCLE: 2022Z

Course syllabus - part A INTERNAL MEDICINE 3/8

SUBJECT MATTER CONTENT

LECTURE

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

CLASSES

Chronic glomerular disease. Nephrotic syndrome and non-nephrotic proteinuria. Microhematuria and hematuria. Presentation of kidney biopsy.

TEACHING OBJECTIVE

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

DESCRIPTION OF THE LEARNING OUTCOMES OF THE COURSE IN RELATION TO THE DESCRIPTION OF THE CHARACTERISTICS OF THE SECOND LEVEL LEARNING OUTCOMES FOR QUALIFICATIONS AT LEVELS 6-8 OF THE POLISH QUALIFICATION FRAMEWORK IN RELATION TO THE SCIENTIFIC DISCIPLINES AND THE EFFECTS FOR FIELDS OF STUDY:

**Symbols for outcomes
related to the discipline:**

M/NM+++

**Symbols for outcomes
related to the field of study:**

M/NM_E.W40.+ , E.U24.+ , E.U32.+ , K.2.+ ,
E.U14.+ , K.3.+ , K.1.+ , M/NM_E.W41.+ , E.U3.+ ,
K.5.+ , E.U1.+ , M/NM_E.W7.+ , E.U16.+ , E.U13.+ ,
M/NM_E.W42.+ , M/NM_E.W1.+ , E.U29.+ ,
E.U30.+

LEARNING OUTCOMES:

Knowledge:

W1 - The student knows and understands the environmental and epidemiological basis of renal diseases

W2 - The student knows and understands etiology, signs, symptoms, principles of diagnosis and therapy in renal diseases and their complications

W3 - The student knows the theoretical and practical basis of laboratory diagnostics in the most common renal diseases

W4 - The student knows and understands the possibilities and limitations of laboratory tests in emergencies

W5 - The student identifies indications for monitored therapy in renal diseases.

Skills:

U1 - The student takes medical history in an adult patient

U2 - The student performs a complete and targeted physical

**Legal acts specifying
learning outcomes:**
672/2020

Disciplines: medical sciences

Status of the

course: Obligatoryjny

Group of courses: B -

przedmioty kierunkowe

Code: ISCED 0912

Field of study: Medicine

Scope of education:

Profile of education:

General academic

Form of studies: full-time

Level of studies: uniform

master's studies

Year/semester: 4/7

Types of classes: Lecture,
Seminar, Classes

Number of hours in

semester: Lecture: 4.00,

Seminar: 3.00, Classes: 25.00

Language of

instruction: English

Introductory subject:

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

**Name of the organisational
unit conducting the**

course: Katedra Kardiologii i
Chorób Wewnętrznych

**Person responsible for the
realization of the course:** dr

n. med. Piotr Cygański

e-mail:

Additional remarks: -

examination of an adult patient

U3 - The student assesses and describes somatic and psychological status of the patient

U4 - The student diagnoses life-threatening conditions

U5 - The student plans diagnostic, therapeutic and prophylactic activities

U6 - The patient interprets laboratory test results, explains abnormal results in renal diseases

U7 - The student 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

U8 - The student assists in the following medical procedures and procedures: transfusion of blood and blood products, drainage of the pleural cavity, puncture of the pericardial sac, puncture of the peritoneal cavity, lumbar puncture, fine needle biopsy, epidermal tests, intradermal and scarification tests and interpret their results

U9 - The student properly plans consultations with specialists

Social competence:

K1 - The student is ready to establish and maintain a deep and 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 respect medical confidentiality and patient rights

K4 - The student is aware of own limitations and the is able to continually improve education

TEACHING FORMS AND METHODS:

Lecture(W1;W2;W3;W4;W5;U3;U4;U5;U6;K4;):Presentation lectures on nephrology

Seminar(W1;W2;W3;W4;W5;U1;U3;U4;U5;U6;U9;K4;):Detailed aspects of nephrology

Classes(W1;W2;W3;W4;W5;U1;U2;U3;U4;U5;U6;U7;U8;U9;K1;K2;K3;K4;):
Practical classes - Bedside teaching on nephrology,

FORM AND CONDITIONS OF VERIFYING LEARNING

OUTCOMES:

Seminar: Evaluation of the work and cooperation in the group - credit based on presence and activity (W1;W2;W3;W4;W5;U1;U2;U3;U4;U5;U6;U7;U8;U9;K1;K2;K3;K4;);

Lecture: Part in the discussion - credit based on presence and activity (W1;W2;W3;W4;W5;U1;U2;U3;U4;U5;U6;U7;U8;U9;K1;K2;K3;K4;);

Classes: Colloquium test - Colloquium test - Nephrology test, 30 questions.

(W1;W2;W3;W4;W5;U1;U2;U3;U4;U5;U6;U7;U8;U9;K1;K2;K3;K4;);

BASIC LITERATURE:

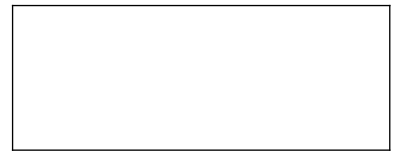
1. Siegenthaler W, *Differential Diagnosis in Internal Medicine*, Wyd. Thieme, R. 2011

2. Kumar Clarks Saunders , *Clinical medicine*, Wyd. Elsevier, R. 2009

3. Boone N.A., Colledge N.R, *Davidson's Principles Practice of Medicine.*, Wyd. Churchill Livingstone - Elsevier, R. 2010

SUPPLEMENTARY LITERATURE:

1. 4. Lee Goldman, MD and Andrew I. Schafer, MD , *Goldman's Cecil Medicine*, Wyd. Saunders, R. 2012



Detailed description of ECTS credits awarded - part B

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INTERNAL MEDICINE 3/8

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Lecture	4.0 h
- participation in: Seminar	3.0 h
- participation in: Classes	25.0 h
- consultation	2.0
	Total: 34.0 h.

2. Independent work of a student:

Total: 0 h

contact hours + independent work of a student Total: 34.0 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS credit = 34.0 h : 25.0 h/ECTS = 1.36 ECTS on average: 3.0 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher: 0,00 ECTS points,

- including the number of ECTS credits for hours of independent work of a student: