
Course title: INTERNAL MEDICINE VI ED

ECTS credit allocation (and other scores): 6 points

Semester: autumn

Level of study: ISCED-7 - second-cycle programmes (EQF-7)

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: 90 h

Course coordinator/ Department and e-mail: Piotr Cygański MD, PhD, Department of Cardiology and Internal Medicine , piotr.cyganski@uwm.edu.pl

Type of classes: classes

Substantive content

CLASSES: : 1. Principles of hematological diagnosis. 2. Principles of treatment in oncohematology. 3. Plasmacell dyscrasias. Cardiology: 1. Infectious endocarditis. 2. Acute pericarditis. Pulmonology: 1. Diagnostic tests in pulmonology: spirometry, plethysmography, bronchofiberscopy, polysomnography, ergospirometry, Principles of diagnosis in tuberculosis. 2. Imaging in respiratory system disease: X- ray, CT, HRCT of the chest. Lung ultrasound, PET. 3. Drugs in lung disease. 4. Allergies to insect venoms. Principles of desensitization. 5. Allergies – urticaria, angioedema, anaphylaxis and anaphylactic shock. 6. Tuberculosis: epidemiology, diagnosis, treatment, extrapulmonary tuberculosis. 7. Patient with chronic respiratory failure. 8. Patient with pneumonia. 9. Patient with COPD and asthma. 10. Diagnosis of cough. 11. Lung tumors - differential diagnosis and diagnostic algorithms. Patients with chronic kidney diseases , patients with hemodialysis

LECTURES: -

Learning purpose: Etiology, pathophysiology, epidemiology, diagnosis and treatment of cardiac diseases (valvular heart disease, cardiomyopathies, heart failure), kidney transplantation and kidney disease in pregnancy, kidney stones, pulmonology (whole subjectt), hematology (whole subject), osteoporosis, neuroendocrine tumors, water and electrolyte disorders

On completion of the study programme the graduate will gain:

Knowledge: W1 - Knows environmental and economical circumstances of diseases o
W2 - The student knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in relation to the most common internal diseases occurring in adults and their complications
W3 - Knows theoretical and practical background of laboratory diagnosis
W4 - The student knows and understands advances and limits of lab tests in emergency medicine.
W5 - The student identifies indications for monitored therapy

Skills: U10 - The student interprets laboratory tests and the reasons for their deviations
U11 - The student downloads material for tests used in laboratory diagnostics
U12 - The student serves as assistant in medical procedures, such as: transfusion of blood and blood products, drainage of the pleural cavity, puncture of the pericardial sac, puncture of the peritoneal cavity
U13 - The student planning specialist consultations
U2 - The student performs a complete and targeted physical examination of an adult patient.
U3 - The student recognizes the states of direct threat to life
U4 - The student conducts an analysis of possible side effects of individual drugs and their interactions
U5 - The student performs basic medical procedures , including: body temperature measurement, pulse measurement, non-invasive blood pressure measurement, monitoring of vital signs using a cardiomonitor, pulse

oximetry

U6 - The student tries to avoid committing a medical error in his own actions

U6 - null

U7 - The student analyses general status, alertness and consciousness of a patient.

U8 - The student describes physical and psychiatric condition of a patient.

U9 - The student plans diagnostic, therapeutic and prophylactic procedures

Social Competencies: K1 - The student is able to establish and keep a profound and respectful relationship with a patient

K2 - Is oriented towards the patient's benefit and recognizes it as a top value.

K3 - Observes patient privacy and patient rights

K4 - The student is aware of own limitations and recognizes the need for continuous education to be up to date with medical knowledge

K5 - With dignity and respect refers to corpses and human remains:

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 , Editors, Davidson's Principles & Practice of Medicine , wyd. Churchill Livingstone Elsevier, 2010 ; 4) Lee Goldman, MD and Andrew I.Schafer , , Goldman's Cecil Medicine, wyd. Saunders, 2012

Supplementary literature: -

The allocated number of ECTS points consists of: 6 points

Contact hours with an academic teacher: 2h

Student's independent work: 4h