



48SJ-INM78

ECTS: 6

YEAR: 2025Z

INTERNAL MEDICINE 7/8
INTERNAL MEDICINE 7/8**COURSE CONTENT**
CLASSES

Improving the technique of targeted physical examination of a simulated patient, auscultation - individual practical exercises. Examination of an internal medicine patient and a patient with multi-organ trauma. Communication with the patient and his family. Establishing deep, respectful contact with the patient. Principles of professional behavior. Methods of dealing with the so-called "difficult patient", with emotions, anxiety, aggression of the patient - role playing scenes. Data confidentiality, rules of professional appearance, professionalism of behavior - improving skills. Auscultation. Individual work of a student with a standardized and simulated patient - assessment of professionalism, social competence and student-patient relations. Performing individually selected medical activities: gastric lavage, puncture and pleural drainage, performance and interpretation of a standard resting electrocardiogram. Rules of immobilizing fractures. Surgical hand washing. Sterile putting on surgical gown gloves, preparing the operating field and using sterile instruments. Principles of asepsis and antiseptics. Basic surgical tools. Types of wounds. Principles of wound cleaning and suturing. Application of a sterile dressing. Methods of applying basic skin sutures. Patient assessment at the Hospital Emergency Department. Basics of triage in ER. Assessment of vital signs. Differential diagnosis of the most common diseases in emergency medicine. Priority patient in ER. Intravenous punctures and taking samples of venous blood gas. Introduction to procedures of advanced life support. Initial assessment of the injured patient at the place of the accident. Initial actions supporting life. BLS sequence.

LECTURES

Lessons implemented in the form of practical classes.

EDUCATIONAL OBJECTIVE:

Learning and improving various methods and techniques of physical examination of a simulated patient - individual practical exercises. Improving internist examination techniques. Communication with the patient: establishing full respect, professional contact with the so-called "difficult patient". Ways to deal with emotions, anxiety, aggression of the patient - role playing scenes. Confidentiality of data, rules of professional appearance, professionalism of behavior. Knowledge regarding principles of assessing the patient's condition in the ER: triage, priority patient, differential diagnosis of the most common diseases. Understanding methods of advanced life support: instrumental and uninstrumental airway opening. Examination of a patient with multi-organ trauma. Management with the patient with multi-organ trauma. Learning the rules and performing endotracheal intubation. Compliance with the principles of asepsis and antisepsis. Understanding the principles of wound care, the application of basic skin sutures.

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.U17.+ , E.U24.+ , E.U25.+ , 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 the environmental and epidemiological conditions of 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

W3 - The student knows and understands the theoretical and practical basis of laboratory diagnostics

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

W5 - The student knows and understands lists indications for the implementation of monitoring therapy

Skills

U1 - The student can take et medical history with an adult patient

U10 - The student can performs physical examination of an adult patient

U11 - The student can assesses patient's general condition and the degree of consciousness disorder.

U12 - The student is able to assess and describe the patient's somatic and mental state

U13 - The student is able to plan specialist consultation

U2 - The student is able to plan diagnostic, therapeutic and preventive procedures

U3 - The student is able to analysis the possible side effects of individual drugs and interactions between them

U4 - The student is able to interpret laboratory tests and the reasons for their deviations

U5 - The student is able to apply nutritional treatment including enteral and parenteral nutrition

U6 - The student is able to download and secure material for research used in laboratory diagnostics

U7 - 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

Course/module:

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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:** 6 / 11**Type of course:**

Classes

Number of hours per semester/week: Classes: 90**Teaching forms and methods**

Classes(K1, K2, K3, K4, U1, U10, U11, U12, U13, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4, W5) : Practical classes - reading and interpretation of ECG, communication with a simulated patient. Presentation of the selected procedures by the teacher (surgical or clinical skills). Supervising the implementation of selected tasks by students. Error analysis during procedures. Repetitions of exercises to ensure that the student gained the skill.

Form and terms of the verification results:

CLASSES: Colloquium practical - Practical test - OSCE (Objective Structured Clinical Examination) and practical test with the Lap-Mentor simulator.(K1, K2, K3, K4, U1, U10, U11, U12, U13, U2, U3, U4, U5, U6, U7, U8, U9, W1, W2, W3, W4, W5)

Number of ECTS points: 6**Language of instruction:** English**Introductory courses:**

anatomy, physiology, basics of pathophysiology, basics of history taking and physical examination

Preliminary requirements:

knowledge of anatomy, internal diseases, the basics of surgery

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:**

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 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

U9 - The student can recognize states of immediate threat to life

Social competence

K1 - The student is able to establish and maintain respectful contact with the patient and show understanding for worldview and cultural differences

K2 - The student is able to be guided by the good of the patient

K3 - The student respects physician-patient privilege and the patient's rights.

K4 - The student is aware to see 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, 2007 ; 2) Kumar & Clarks, Clinical medicine., wyd. Kumar & Clarks Saunders – Elsevier, 2016 ; 3) Boone N.A., Colledge N.R – Editors, Churchill Livingstone., Davidson's Principles & Practice of Medicine, wyd. Elsevier, 2018 ; 4) Lee Goldman, MD and Andrew I. Schafer, MD, Goldman's Cecil Medicine, wyd. Saunders, 2011

SUPPLEMENTARY LITERATURE

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	90 h.
- consultation	2 h.
	92 h.

2. Student's independent work:

- preparation for the final practical exam.	2 h.
- reading textbooks.	47 h.
- self-preparing for classes.	9 h.
	58 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 150 h : 25 h/ECTS = 6,00 ECTS
on average: **6 ECTS**

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	3,68 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	2,32 ECTS points,