



48SJ-PED57
ECTS: 4.00
CYCLE: 2024L

Course syllabus - part A Pediatrics 5

SUBJECT MATTER CONTENT

LECTURE

Cardiology 1. Congenital heart defects. 2. Heart failure Infection diseases 1. HIV in children. 2. Tuberculosis in children. 3. Pertussis. 4. Emerging infectious diseases in children. 5. Hospital-acquired infections in children

SEMINAR

1. Food allergy. Food intolerance [2H] 2. Coeliac disease. Gluten-related disorders. Feeding disorder [2H] 3. Pancreatic disorders in children. Cystic fibrosis [2H] 4. Viral and bacterial infections of upper respiratory tract in children [2H] 5. Acute lower respiratory tract disorders in children [3H] 6. Diagnostic methods of cardiovascular system in children [1H] 7. Myocarditis [1H] 8. Infective endocarditis, Kawasaki disease [1H] 9. Cardiomyopathy [1H]

CLASSES

"Upper respiratory tract disorders [PULMONOLOGY] " Lower respiratory tract disorders [PULMONOLOGY] Indications for endoscopy in children. Diagnostic procedure of GI tract in children [GASTROENTEROLOGY] Liver disorders in children. Biliary tract disorders [GASTROENTEROLOGY] Bacterial diarrhea. Viral diarrhea [INFECTIOUS] Exanthematous childhood disease [INFECTIOUS] Parasitic infections [INFECTIOUS] Syncope [CARDIOLOGY] Chest pain, hypertension [CARDIOLOGY] Arrhythmias [CARDIOLOGY]

TEACHING OBJECTIVE

The student knows and understands the causes, symptoms, guidelines of diagnosis and therapeutic management of the most common diseases of the gastrointestinal tract, cardiovascular and respiratory system in children. Consolidation of skills to collect history, physical examination. Programming therapeutic, monitoring of the patient.

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/NMA_P7S_WG+++ , M/NMA_P7S_KO+++ ,
M/NMA_P7S_UW+++ , M/NMA_P7S_KR+++ ,
M/NM+++

Symbols for outcomes related to the field of study:

E.U13.+ , E.U2.+ , E.U16.+ , K.5.+ , E.W3.+ , K.1.+ ,
E.W2.+ , E.U20.+ , E.U32.+ , E.W1.+ , K.2.+ ,
K.4.+ , E.U12.+ , K.3.+

LEARNING OUTCOMES:

Legal acts specifying learning outcomes: 672/2020, 311/2023
Disciplines: medical sciences
Status of the course: Obligatory
Group of courses: B - przedmioty kierunkowe
Code: ISCED 0912
Field of study: Medicine, Medicine
Scope of education:
Profile of education: General academic
Form of studies: full-time
Level of studies: uniform master's studies
Year/semester: 5/10

Types of classes: Lecture, Seminar, Classes
Number of hours in semester: Lecture: 10.00, Seminar: 15.00, Classes: 50.00
Language of instruction: English
Introductory subject: Anatomy, Physiology, Pathology, Biochemistry, Histology with cytophysiology and embryology, Immunology, Microbiology, Pharmacology with toxicology, Diagnostic imaging, Infectious Diseases, Clinical Genetics, Otolaryngology, Pediatrics
Prerequisites: Student should have knowledge of human anatomy, physiology and pathophysiology, should have ability to use the knowledge acquired during the previous course of Pediatrics.

Name of the organisational unit conducting the course: Katedra Pediatrii Klinicznej
Person responsible for the realization of the course: dr hab. n. med. Elżbieta Jarocka-Cyrta, prof. UWM
e-mail: elzbieta.jarocka@uwm.edu.pl

Additional remarks: none

Knowledge:

W1 - Student knows and understands the environmental and epidemiological factors which determinate the most common diseases.

W2 - Student knows and understands rules of nutrition applicable to healthy and ill children, including natural feeding, preventive vaccinations, and the rules of the child's health evaluation;

W3 - Student knows and understands the causes, symptoms, rules of diagnosing, and the therapeutic procedures in the most frequent paediatric health problems: 1) rickets, tetany, convulsions, 2) heart defects, myocarditis, endocarditis and pericarditis, cardiomyopathy, heart arrhythmia, cardiac insufficiency, hypertension, fainting, 3) acute and chronic diseases of the upper and lower respiratory tract, congenital defects of the respiratory tract, tuberculosis, cystic fibrosis, asthma, allergic rhinitis, nettle-rash, anaphylactic shock, angioedema, 4) anaemia, haemorrhagic diatheses, bone marrow failures, childhood malignancies, including solid tumours typical for childhood, 5) acute and chronic abdominal pains, vomiting, diarrheas, constipations, gastro-intestinal bleedings, ulcer, non-specific bowel diseases, pancreatitis, cholestasis and liver diseases, and other acquired illnesses and congenital defects of the digestive tract, 6) urinary tract infections, congenital defects of the urinary tract, nephrotic syndrome, kidney stones, acute and chronic kidney insufficiency, acute and chronic kidney inflammations, systemic kidney diseases, urination disorders, vesico-ureteral reflux disease, 7) growth disorders, thyroid and parathyroid diseases, adrenal diseases, diabetes, obesity, puberty and gonad function disorders, 8) infant cerebral palsy, encephalomyelitis and meningitis, epilepsy, 9) the most frequent children's infectious diseases, 10) genetic syndromes, 11) connective tissue diseases, rheumatoid fever, juvenile arthritis, systemic lupus erythematosus, dermatomyositis;

Skills:

U1 - Student is able to take medical interview with a child and its family;

U2 - Student is able to conduct differential diagnostics of the most frequent diseases among adults and children;

U3 - Student is able to assess and describe the patient's somatic and mental condition.

U4 - Student is able to plan diagnostic, therapeutic, and prophylactic procedures;

U5 - Student is able to qualify the patient for home treatment and hospitalisation;

U6 - Student is able to plan specialist consultations;

Social competence:

K1 - Student is able to establish and maintain a deep and respectful contact with the patient and demonstrate understanding of differences in worldview and culture

K2 - Student is guided by the well-being of the patient.

K3 - Student obeys the medical confidentiality rule and respects patient rights.

K4 - Student notices and recognises its own limitations and makes a self-assessment of deficits and educational needs.

K5 - Student is able to take action towards the patient based on ethical principles, with awareness of the social determinants and limitations of the disease.

TEACHING FORMS AND METHODS:

Lecture(W1;W2;W3;U1;U2;U3;U4;U5;U6;K1;K2;K3;K4;K5;):Multimedia presentation. Formal lecture.

Seminar(W1;W2;W3;U1;U2;U3;U4;U5;U6;K1;K2;K3;K4;K5;):Multimedia presentation. The case report based discussion. Round table discussion.

Classes(W1;W2;W3;U1;U2;U3;U4;U5;U6;K1;K2;K3;K4;K5;):Practical classes in small groups supervised by assistant: case studies, medical

problem approach discussion, brain storm

FORM AND CONDITIONS OF VERIFYING LEARNING

OUTCOMES:

Lecture (Part in the discussion) - Part in the discussion - Obligatory presence on lectures. -

Seminar (Part in the discussion) - Part in the discussion -

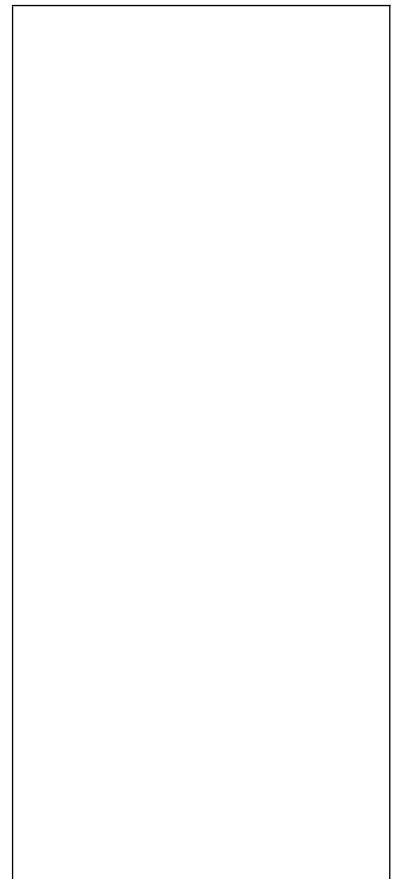
Classes (Written test) - Knowledge test from seminars, lectures and exercises. A prerequisite for taking the test is obtaining a total of 18 points from the entrance tests and activity classes in the summer semester. The test consists of 50 questions. Above 70% of points are required to pass the practical part. In the case of not passing the test, oral assessment. The final grade for the Pediatrics course in the 5th year is the result of the test according to the following scoring: ≤ 35 points - unsatisfactory 36-38 points - satisfactory 39-41 points - satisfactory plus 42-44 points - good 45-47 points - good plus 48-50 points - very good -

BASIC LITERATURE:

1. Marc dante K., Kliegman R.M.,, *Nelson Essentials of Pediatrics* - 9th edition, Wyd. Elsevier, R. 2022

2. Lissauer T., Carroll W., *Illustrated Textbook of Pediatrics*, Wyd. Mosby, R. 2021

SUPPLEMENTARY LITERATURE:



Detailed description of ECTS credits awarded - part B

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Pediatrics 5

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

| | |
|-----------------------------|----------------|
| - participation in: Lecture | 10.0 h |
| - participation in: Seminar | 15.0 h |
| - participation in: Classes | 50.0 h |
| - consultation | 2.0 |
| | Total: 77.0 h. |

2. Independent work of a student:

| | |
|---|---------|
| She/he learns required chapters of the books from the basis literature list and from additional sources of knowledge. | 23.00 h |
|---|---------|

Total: 23.0 h

contact hours + independent work of a student Total: 100.0 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS credit = 100.0 h : 25.0 h/ECTS
= 4.00 ECTS on average: 4.0 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: