



48SJ-PED37
ECTS: 3
YEAR: 2023Z

PEDIATRICS 3
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COURSE CONTENT
CLASSES

Classes: 1. Anaemia due to reduced red cell production. Iron deficiency, foliate deficiency anaemia. Pernicious anaemia. Anaemia of the chronic diseases. 2. Haemolytic anaemia (congenital, acquired). 3. Aplastic anaemia (congenital, acquired). 4. Haemostasis disorders in children. 5. Leukaemia. Lymphomas. 6. Diabetes mellitus in children. 7. Treatment of diabetes mellitus: ketoacidosis. Diabetes mellitus type 2. Seminar: 1. Differences in laboratory standards of complete Blood Count in children. 2. Lymphadenopathy in children –differential diagnosis. 3. Poisoning in children. 4. Inherited metabolic disorders: types, causes, symptoms. 5. Orphan diseases.

LECTURES

1. Anaemia in children: iron deficiency anaemia, haemolytic anaemia, aplastic anaemia. 2. Disorders of primary hemostasis and fibrinolysis (vascular defects, von Willebrand disease, thrombocytopenia, platelets dysfunction). 3. Disorders of secondary hemostasis in children. Normal ranges of hemostasis in children. 4. Leukaemias in children. 5. Tumors of lymphatic system in children.

EDUCATIONAL OBJECTIVE:

It is getting the knowledge of individuality anatomic and physiologic urinary and endocrine systems. Acquire the knowledge of hematological standards in children. Collecting intelligence, knowledge of differential diagnosis, treatment, supervision and prevention of diseases of the urinary tract, diabetes, hematological disorders, selected cancers, immune disorders in children. Consolidation of skills to take medical history, physical examination. Programming of therapeutic plan, monitoring the patient.

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.U16.+ , E.U17.+ , E.U2.+ , E.U24.+ , E.U32.+ , E.U4.+ , E.W1.+ , E.W3.+++ , E.W6.+ , K.1.+ , K.2.+ , K.3.+ , K.5+ ,

LEARNING OUTCOMES:

Knowledge

- W1 - (E.W1) The graduate knows and understands the environmental conditions and epidemiology of the most common childhood diseases.
W2 - (E.W6) The graduate knows and understands the most common life-threatening conditions in children and the guidelines of their therapy.
W3 - (E.W3) The graduate knows and understands causing factors, clinical manifestation, diagnostic and treatment guidelines in diabetes in children.
W4 - (E.W3) The graduate knows and understands causing factors, clinical manifestation, diagnostic and therapeutic guidelines in iron deficiency anemia, hemolytic and aplastic anemia, hemostasis disorders in children, disorders of hemostasis and fibrinolysis, primary immunodeficiency disorders, childhood leukemias and lymphomas.
W5 - (E.W3) The graduate knows and understands and understands the causes, symptoms, principles of diagnosis and therapeutic procedure in the case of the most common diseases of children: urinary tract infections, congenital urinary tract defects, nephrotic syndrome, nephrolithiasis, acute and chronic renal failure, acute and chronic inflammation of the kidneys, kidney systemic diseases, urination disorders, gastro-uric acid reflux disease.

Skills

- U2 - (E.U4) The graduate can perform a physical examination of the child at any age.
U3 - (E.U16) The graduate can plan diagnostic, therapeutic and prophylactic procedures.
U4 - (E.U17) The graduate can analyze the possible side effects and interactions of proscribed drugs.
U5 - (E.U24) The graduate is able to interpret laboratory tests and identifies the causes of deviations.
U6 - (E.U32) The graduate can plan specialist consultations.
U7 - (E.U2) The graduate can perform a medical history of the child and his family.

Social competence

- K1 - (K.1) The graduate is ready to establish and maintain deep and respectful contact with the patient and show understanding for ideological and cultural differences
K2 - (K.2) The graduate is ready to be guided by the well-being of the patient
K3 - (K.3) The graduate is ready to respects physician-patient privilege and patient's rights.
K4 - (K.5) The graduate is ready to recognize his own limitations and to make self-assessments of educational deficits and needs.

BASIC LITERATURE

- 1) Kawalec W., Grenda R., Ziółkowska H., Pediatria, wyd. PZWL, 2013, t. I ; 2) Kawalec W., Grenda R., Ziółkowska H., Pediatria, wyd. PZWL, 2013, t. II ; 3) Dobrzańska A., Ryżko J., Pediatria - podręcznik do lekarskiego egzaminu państwowego, wyd. U&P Wrocław , 2014, t. II ; 4) Pietrzyk J., Szajewska H., Mrukowicz

Course/module:

Pediatrics 3

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: 30, Seminar: 10, Lecture: 10

Teaching forms and methods

Classes(K1, K2, K3, K4, U2, U3, U4, U5, U6, U7, W1, W2, W3, W4, W5) : Work in small groups. History taking, physical examination, analysis of cases. , Seminar(K4, U2, U3, U4, U5, U6, W1, W2, W3, W4, W5) : Multimedia presentation. Discussion. , Lecture(K4, W1, W2, W3, W4, W5) : Multimedia presentation.

Form and terms of the verification results:

CLASSES: Part in the discussion - Oral answer, activity.(K1, K2, K3, K4, U2, U3, U4, U5, U6, U7, W1, W2, W3, W4, W5) ; CLASSES: Written test - A test related to preparation for practical classes (the material covering the subject matter of practical classes and seminars on the basis of obligatory textbooks and lectures) will be taken during the classes. The test includes three written question; passed = positive answer to 2 questions.(U2, U3, U4, U5, U6, U7, W1, W2, W3, W4, W5) ; CLASSES: Report - In the second week of practical classes in paediatrics, the student prepares a medical case report.(U2, U3, U4, U5, U6, U7, W1, W2, W3, W4, W5) ; SEMINAR: Part in the discussion - Presence at all classes(K1, K2, K3, K4, U2, U3, U4, U5, U6, U7, W1, W2, W3, W4, W5) ; LECTURE: Part in the discussion - Presence at all lectures.(K1, K2, K3, K4, U2, U3, U4, U5, U6, U7, W1, W2, W3, W4, W5)

Number of ECTS points: 3

Language of instruction: English

Introductory courses:

Anatomy, Physiology, Pathology, Biochemistry, Histology with cytophysiology and embryology, Immunology, Microbiology, Pharmacology and Toxicology, Pediatrics

Preliminary requirements:

Mastering knowledge of the subjects, orientation and ability to use in the context of history taking, physical examination of the child, assess its development as a basis for the differential diagnosis of disorders of the urinary system, endocrine disorders, including diabetes and hematology.

Name of the organizational unit offering the course:

Katedra Pediatrii Klinicznej,

J., ABC zabiegów w pediatrii, wyd. Medycyna Praktyczna, 2012, t. - ; 5) Obuchowicz A., Badania podmiotowe i przedmiotowe w pediatrii, wyd. PZWL, 2007, t. - ; 6) Kubicka K., Kawalec W., Pediatria, wyd. PZWL, 2003, t. I ; 7) Kubicka K., Kawalec W., Pediatria, wyd. PZWL, 2003, t. II

SUPPLEMENTARY LITERATURE

Person in charge of the course:

dr hab. n. med. Elżbieta Jarocka-Cyrta, prof.
UWM

Course coordinators:

Notes:

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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	30 h.
- participation in: seminar	10 h.
- participation in: lecture	10 h.
- consultation	2 h.
	52 h.

2. Student's independent work:

- she/he learns required chapters of the books from the basis literature list and from additional sources of knowledge.	23 h.
	23 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:	2,08 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	0,92 ECTS points,