



Course syllabus – part A Pediatrics 4

48SJ-PED47
2025L
ECTS: 3.00

SUBJECT MATTER CONTENT:

Seminar

1. Endocrine system in children. [1H]
2. Short stature. [1H]
3. Overweight and obesity. [1H]
4. Disorders of the thyroid gland and the pituitary gland. [1H]
5. Disorders of the adrenal gland.-1 H
6. Rare diseases 5H

Classes

Laboratory test in pediatric nephrology [NEFROLOGY]
Voiding disorders, enuresis nocturna [NEFROLOGY]
Haematuria, glomerulonephritis, medical case record [NEFROLOGY]
Hemolytic uremic syndrome (HUS). IgA Vasculitis (Henoch Schönlein purpura) [NEFROLOGY]
History taking and physical examination of the children with suspicion of the endocrine disorders. Medical case record. [ENDOKRYNOLOGY]
Disorders of growth and stature. Short and tall stature – causes, symptoms, diagnostic pathways and treatment. [ENDOKRYNOLOGY]
Disorders of the thyroid gland. Hypothyroidism, hyperthyroidism. Thyroid nodules. [ENDOKRYNOLOGY]
Obesity Metabolic syndrome. credit

TEACHING OBJECTIVE:

To acquaint the student with anatomical and physiological distinctions of the urinary system and the endocrine system in children. Preparing the student for differential diagnosis, treatment, supervision and prevention of urinary tract diseases, endocrine system disorders. Strengthening the skill of collecting interviews, physical examination. Programming therapeutic treatment and patient supervision.

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+++++, M/NMA_P7S_KO++++, M/NMA_P7S_KR++++,
M/NMA_P7S_UW++++

Symbols for outcomes related to the field of study:

K.1.+, K.2.+, K.3.+, K.5.+, K.4.+, E.U2.+, E.U4.+, E.U20.+, E.U24.+, E.U29.+,

Legal acts specifying learning outcomes:

672/2020 (Medicine),

Status of the course: None

Group of courses: None

Discipline: Medicine

Classes:

Classes (40 h)

Seminar (10 h)

Step: Kierunek lekarski czwarty rok semestr ósmy
(oferta w jęz. angielskim dla obcokrajowców)

Program: Medicine

Form of studies: full-time

Level of studies: uniform master's studies

Introductory subject: Anatomy, Physiology, Pathology, Biochemistry, Histology with cytophysiology and embryology, Immunology, Microbiology, Laboratory diagnostics, Ethics, Pathology, Paediatrics 3rd year, Pharmacology with toxicology.

Prerequisites: Mastering the knowledge of introductory subjects and the ability to use it in the context of collecting interviews, examining a child, assessing his development as the basis for conducting differential diagnostics in the field of urinary tract diseases, endocrine diseases, including diabetes and hematology.

Coordinators:

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LEARNING OUTCOMES (Knowledge, Skills, Social competence):

<u>W1</u>	Knows and understands the environmental and epidemiological conditions of the most common diseases.
<u>W2</u>	Knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment in the case of the most common diseases of children: a) rickets, tetany, convulsions, gastrointestinal, b) growth disorders, thyroid and parathyroid diseases, adrenal diseases, diabetes, obesity, puberty disorders and gonadal function
<u>W3</u>	Knows and understands the causes, symptoms, principles of diagnosis and therapeutic procedure in the case of the most common diseases of children: urinary tract infections, urinary system congenital disorders, nephrotic syndrome, nephrolithiasis, acute and chronic renal failure, acute and chronic kidney inflammation, systemic kidney disease, urinary disorders, gastroesophageal reflux disease.
<u>W4</u>	Knows and understands the types of biological materials used in laboratory diagnostics and the principles of collecting material for testing
<u>U1</u>	Can conducts a medical interview with the child and family
<u>U2</u>	Can conducts a physical examination of a child of all ages.
<u>U3</u>	Can qualify the patient for home and hospital treatment;
<u>U4</u>	Can interprets laboratory tests and identifies the causes of deviations.
<u>U5</u>	Can performs basic procedures and medical procedures, including bladder catheterisation in men and women, probing the stomach, gastric lavage, enema
<u>U6</u>	Can plans specialist consultations.
<u>K1</u>	Can establish and maintain a deep and respectful contact with the patient and demonstrate understanding of differences in worldview and culture.
<u>K2</u>	The student is guided by the well-being of the patient
<u>K3</u>	Obeys the medical confidentiality rule and respects patient rights.
<u>K4</u>	Notices and recognises its own limitations and makes a self-assessment of deficits and educational needs
<u>K5</u>	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:

Seminar-['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'U5', 'K5', 'U6']-Multimedia presentation. Discussion of the problem on the example of a clinical case. Round table talk

Classes-['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'U5', 'K5', 'U6']-Exercise and practical classes in groups under the supervision of an assistant: problem, situational, brainstorming, case study.

FORM AND CONDITIONS OF VERIFYING LEARNING OUTCOMES:

Classes-(Competention test)-['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'U5', 'K5', 'U6']-Knowledge test from seminars, lectures and

exercises. A prerequisite to take the test is to obtain a total of 16 points from the exercise activity tests and two medical histories in the summer semester.

The test consists of 50 questions. The condition to pass the practical part is obtaining above 70% of points. In the case of not passing the test, oral assessment.

The final grade from the course Pediatrics in the 4th year is the result of the test according to the following scoring:

≤ 35 pts - unsatisfactory

36-38 pts - satisfactory

39-41 points - satisfactory plus

42-44 points - good

45-47 points - good plus

48-50 points - very good

Seminar-(Written test)-['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'U5', 'K5', 'U6']-Student presence at all seminars.

Competent test - Final exam of the 4th year: Test 100 questions, pass from 71% People who did not pass the test will answer orally (in June) Failure to complete the second term means repeating the fourth year. Final grade: sum of exercises in both semesters and test result. ≤ 71 insufficient 29-30 points, sufficient 31-33 points sufficient + 34-36 good points 37-38 good + points 39-40 points very good

Seminar-(Part in the discussion)-['W1', 'U1', 'K1', 'W2', 'U2', 'K2', 'W3', 'U3', 'K3', 'W4', 'U4', 'K4', 'U5', 'K5', 'U6']-Part in the discussion

Literature:

1. **R. Kleigman, K.J. Marcdante, H.B. Jenson, R.E. Behrman, Nelson** , R. Kleigman, K.J. Marcdante, H.B. Jenson, R.E. Behrman, Nelson , Elsevier, 2010, Strony: , Tom: (literatura podstawowa)
2. **Illustrated Textbook of Paediatrics**, T. Lissauer, G. Clayden, Mosby, 2012, Strony: , Tom: (literatura podstawowa)
3. **Nelson Essentials of Pediatrics - 9th edition**, R. Kleigman, K.J. Marcdante, H.B. Jenson, R.E. Behrman,, Elsevier, 2022, Strony: , Tom: (literatura podstawowa)
4. **Diagnostyka różnicowa najczęstszych objawów w praktyce pediatrycznej**, Wanda Kawalec, Andrzej Milanowski, PZWL, 2003, Strony: , Tom: (literatura uzupełniająca)



Detailed description of ECTS credits awarded - part B
Pediatrics 4

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ECTS: 3.00

The number of ECTS credits awarded consists of:

1. Contact hours with the academic teacher:

- participation in: Classes	40 h
- participation in: Seminar	10 h
- consultation	2 h
Total: 52 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: 23.00 h	

Total (contact hours + independent work of a student): 75.00 h

1 ECTS credit = 25-30 h of an average student's work, number of ECTS,
ECTS Points = 75.00 h : 25 h/ECTS = **3.00** ECTS

Average: 3.00 ECTS

- including the number of ECTS credits for contact hours with the direct participation of an academic teacher	2.08 ECTS
- including the number of ECTS credits for hours of independent work of a student	0.92 ECTS