



Course title: PEDIATRICS 4

ECTS credit allocation (and other scores): 3 ECTS

Semester: spring

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

Branch of science: Medical and health sciences

Language: English

Number of hours per semester: 45

Course coordinator/ Department and e-mail: Elżbieta Jarocka – Cyrta, elzbieta.jarocka@uwm.edu.pl

Type of classes: classes

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Substantive content

CLASSES:

Nephrology:

1. Use of laboratory tests in nephrology.
2. Diagnostic and therapeutic standards of treatment in a child with hematuria, proteinuria
3. Diagnostic and therapeutic standards in a child with arterial hypertension of renal origin.
4. Diagnostic and therapeutic standards in a child with acute renal failure, including HUS and chronic kidney disease.

Endocrinology:

1. History taking and physical examination of the children with suspicion of the endocrine disorders. Medical case record.
2. Disorders of growth and stature. Short and tall stature – causes, symptoms, diagnostic pathways and treatment.
3. Disorders of the thyroid gland. Hypothyroidism, hyperthyroidism. Thyroid nodules.
4. Obesity. Metabolic syndrome.

Seminars Endocrinology:

1. Endocrine system in children.
2. Short stature.
3. Overweight and obesity.
4. Disorders of the thyroid gland and the pituitary gland. 5. Disorders of the adrenal gland. Tumors of lymphatic system in children

Learning purpose: 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.

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On completion of the study programme the graduate will gain:

Knowledge:

W1 - (E.W.1) Knows and understands the environmental and epidemiological factors which affect the most common disease.

W2 - (E.W3) 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

W3 - (E.W3) 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.

W4 - (E.W37) Knows and understands the types of biological materials used in laboratory diagnostics and the principles of collecting material for testing.

Skills:

U1 - (E.U2) Can conduct a medical interview with the child and family.

U2 - (E.U4) Can conduct a physical examination of a child of all ages.

U3 - (E.U20) Can qualify the patient for home and hospital treatment;

U4 - (E.U24) Can interpret laboratory tests and identify the causes of deviations.

U5 - (E.U29) Can perform basic procedures and medical procedures, including bladder catheterisation in men and women, probing the stomach, gastric lavage, enema.

U6 - (E.U32) Can plan specialist consultations.

Social Competencies:

K1 - (K.1) Can establish and maintain a deep and respectful contact with the patient and demonstrate understanding of differences in worldview and culture.

K2 - (K.2) The student is guided by the well-being of the patient

K3 - (K.3) Obeys the medical confidentiality rule and respects patient rights.

K4 - (K.4) Notices and recognises its own limitations and makes a self-assessment of deficits and educational needs.

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Basic literature:

1) R. Kleigman, K.J. Marcidante, H.B. Jenson, R.E. Behrman, Nelson - Essentials of Pediatrics, wyd. Elsevier, 2010 ; 2) T. Lissauer, G. Clayden, Illustrated Textbook of Paediatrics,, wyd. Mosby, 2012 ; 3) Teachers, seminars & lectures, wyd. UWM, 2019/2020

Supplementary literature:

1) Wanda Kawalec, Andrzej Milanowski, Diagnostyka różnicowa najczęstszych objawów w praktyce pediatrycznej, wyd. PZWL, 2003 ; 2) K. Bożkowa, Dawkowanie leków u dzieci, wyd. PZWL, 2005

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The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 47h

Student's independent work: 28h