
Course title: PEDIATRICS 2

ECTS credit allocation (and other scores): 2 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: 35

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

Type of classes: classes

Substantive content

CLASSES: Propedeutics

1. History taking in pediatrics. Patient report.

2. Underweight in children.

Assessment of the child development – history taking, physical examination. Case report.

3. Physical

examination of the children: general appearance. Case report – discussion.

4. Physical examination of the

children [3]: Common symptoms: abdominal pain, vomiting in children-functional disorder or disease.

5. Case report – discussion. 6. Examination of the head and neck. Dysmorphia. 7. Psychomotor development up to third year of life.

Seminars:

1. Fever in children. Pathogenesis, diagnostics and management. Dehydration. Fluid therapy.

2. Vaccinations.

3. Assessment of the physical development of the children. Growth disorders. Eating disorder.

4. Nutrition in the first 1000 days.

5. Psychomotor development, developmental milestones, red flags

Learning purpose: To acquaint the student with the principles of correct collection of interviews regarding pregnancy and childbirth. To acquaint the student with the physiology and pathology of a newborn born on time and prematurely born. To acquaint the student with the principles of proper nutrition of time-born and premature newborns with emphasis on the special role of natural feeding and difficulties in breastfeeding. Other methods - artificial, enteral, parenteral feeding. To introduce students to food allergy issues. To acquaint the student with the mechanisms of adapting a newborn baby to independent living. To introduce students to the principles of conducting screening tests in newborns. Preparation of the student for independent assessment of the newborn's condition and conducting the physical examination of the newborn. Preparing the student to interpret the results of Basic laboratory tests in newborns.

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.W2) Knows and understands the rules of nutrition for healthy and sick children, including natural feeding, preventive vaccination and maintaining child's health status report.

W3 - (E.W3) Knows and understands the causes, syndroms and signs, rules of diagnostic methods and therapeutic procedures in the most common paediatric diseases: a) rickets, tetany, convulsions, b) congenital cardiac defects, cardiomyopathy, cardiac arrhythmia, c) acute and chronic diseases of upper and lower respiratory tract, congenital defects of the respiratory system, tuberculosis, cystic fibrosis, asthma, d) acute and chronic abdominal pain, vomiting, diarrhoea, constipation, congenital defects of the gastrointestinal tract, e) urinary tract infections, congenital defects of the urinary tract, vesicoureteral reflux, f) genetic syndroms g) anaemia and bleeding disorders, h) the most common infectious diseases.

W4 - (E.W4) Knows and understands the issues of: maltreated children, sexual abuse, mental disability, behavioural disorders: psychoses, addictions, nutrition and excretion disorders in children.

Skills:

U1 - (A.U3) Student can explain anatomical foundations of a physical examination.

U2 - (A.U5) Student can use anatomical histological and embryological terminology in speech and writing.

U3 - (E.U2) The graduate can take the medical history of a child by talking to the child's family.

U4 - (E.U4) The graduate can conduct physical examination of a child at any age.

U5 - (E.U8) The graduate can make an assessment of the condition of an infant on the Apgar scale and of his/her maturity and examines the primitive reflexes.

U6 - (E.U9) The graduate can juxtapose the results of anthropometric measurements and blood pressure with data on centile charts.

U7 - (E.U14) Recognizes states of immediate threat to life.

U8 - (E.U27) The graduate can qualify a patient for vaccination.

U9 - (E.U24) Interprets laboratory tests and identifies the causes of deviations.

U10 - (E.U25) Is able to apply nutritional treatment in the field of enteral and parenteral nutrition.

U11 - (E.U10) Evaluates the degree of advancement of sexual maturation

U12 - (G.U5) During the examination,

Social Competencies:

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 respect physician-patient privilege and patient's rights.

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

Basic literature:

1) Kawalec W., Grenda R., Ziółkowska H., *Pediatrica*, wyd. PZWL, 2013, t. I ; 2) Kawalec W., Grenda R., Ziółkowska H., *Pediatrica*, wyd. PZWL, 2013, t. II ; 3) Dobrzańska A., Ryżko J., *Pediatrica. Podręcznik do Lekarskiego Egzaminu Końcowego i Państwowego Egzaminu Specjalizacyjnego*, wyd. U&P Wrocław, 2014, t.- ; 4) Szczapa J., *Neonatologia*, wyd. PZWL, 2015, t. - ; 5) Obuchowicz A., *Badanie podmiotowe i przedmiotowe w pediatrii*, wyd. PZWL, 2010, t. –

Supplementary literature:

-

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 37h

Student's independent work: 8h