



Gastroenterologii i Żywienia																			
Katedra i Klinika Nefrologii Pediatricznej	10				9														
Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej	4				6														
Summer Semester																			
I Katedra i Klinika Pediatrii, Alergologii i Kardiologii	02				9														
II Katedra i Klinika Pediatrii, Gastroenterologii i Żywienia	12				6														
Katedra i Klinika Nefrologii Pediatricznej	0				6														
Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej	0				9														
TOTAL per year:																			
	28				60														
Educational objectives (max. 6 items)																			
<p>C1. The developing skills of physical examination of the children, medical interview.</p> <p>C2. Instruct students with morphologic-physiologic distinctness in organs and systems during childhood (digestive system, respiratory system, urinary system, hematopoietic system).</p> <p>C3. Instruct students with the basic rules of the alimentation of healthy and sick children.</p> <p>C4. Instruct students with the rules of prophylaxis of the diseases of digestive system,</p>																			



respiratory system, urinary system and hematopoietic system.

C5. Instruct students with the diseases of digestive system, respiratory system, urinary system and hematopoietic system in the developmental period.

C6. Instruct students with the congenital malformations and genetic diseases of digestive system, respiratory system, urinary system and hematopoietic system in the developmental period.

Education result matrix for module/course in relation to verification methods of the intended education result and the type of class

Number of course education result	Number of major education result	Student who completes the module/course knows/is able to	Methods of verification of intended education results (forming and summarising)	Form of didactic class <i>**enter the abbreviation</i>
W 01	A.W1	Describes environmental and epidemiological conditions of the most frequent diseases in children	Oral response, practical examination	L, CC
W 02	A.W2	Explains the basic rules of the alimentation of healthy and sick children, knows the basic rules of vaccination in children, knows the rules of monitoring of children's health balance	Oral response	L, CC
W 03	A.W3	Describes and explains reasons, symptoms, diagnostic and therapeutic options in most often diseases in children a) heart malformations, myocarditis, endocarditis, pericarditis, cardiomyopathy, heart rhythm abnormalities, heart failure, hypertension, syncope b) acute and chronic diseases of the upper and lower respiratory tract, congenital malformations of the respiratory tract, tuberculosis, cystic fibrosis, bronchial asthma, allergic rhinitis, urticaria, anaphylactic shock c) blood anemia, blood clotting disturbances, bone marrow failure, childhood malignancies,	Oral response, practical examination	L, CC



		<p>inc. solid tumors typical for childhood period</p> <p>d) acute and chronic abdominal pain, vomiting, diarrhoea, constipation, gastrointestinal bleeding, gastric and duodenal ulcer disease, inflammatory bowel diseases, diseases of the pancreas, cholestasis, liver diseases, other congenital malformations and acquired diseases of the gastrointestinal tract,</p> <p>e) urinary tract infections, congenital malformations of the urinary tract, nephrotic syndrome, nephrolithiasis, acute and chronic renal failure, acute and chronic inflammatory diseases of the kidneys, disturbances in urination, vesico-ureteral reflux disease</p>		
W 04	A.W6	Describes the most often observed life-threatening events in children and knows therapeutic rules	Oral response, practical examination	L, CC
W 05	A. W7	Defines and explains the plan of diagnostic, therapeutic and prophylactic procedures	Oral response, practical examination	L, CC
U 01	A. U2	Performs medical interview with child and child's family	Oral response, practical examination	L, CC
U 02	A.U4	Performs complete physical examination of the child (from newborn to adolescent child)	Oral response, practical examination	L, CC
U 03	A.U7	Performs general appearance of the patient	Oral response, practical examination	L, CC
U 04	A.U9	Performs and is able to compare anthropometric results and	Oral response, practical	L, CC



		results of blood pressure with values from percentile charts	examination	
U 05	A.U12	Performs the differential diagnosis of most often observed diseases in children	Oral response, practical examination	L, CC
U 06	A.U13	Performs and is able to estimate and describe psychosomatic status of the patient	Oral response, practical examination	L, CC
K 01	A.U14	Actively participates in recognizing direct life-threatening events	Oral response, practical examination	CC
K 02	A.U16	Cooperates in a group to make the plan of diagnostic, therapeutic and prophylactic procedures	Oral response, practical examination	CC
K 03	A.U17	Willingly participates in analysis of interactions between drugs and drug side-effects	Oral response, practical examination	CC
K 04	A.U24	Actively participates in analysis results of laboratory tests	Oral response, practical examination	CC
K 05	A.U25	Actively participates in introducing nutritional therapy (inc. enteral and parenteral nutrition)	Oral response, practical examination	CC
K 06	A.U28	Actively participates in taking biological material for laboratory diagnostics	Oral response, practical examination	CC
K 07	A.U29	Willingly participates in performing basic medical procedures, incl.: <input type="checkbox"/> a) measure of the body temperature, measure of the heart rate, noninvasive measure of the blood pressure, <input type="checkbox"/> b) monitoring of the basic vital parameters using cardiomonitor, pulsoksymeter, <input type="checkbox"/> c) spirometry testing, oxygen therapy, artificial ventilation, d) intravenous	Oral response, practical examination	CC



		infusions, intramuscular and subcutaneous injections, peripheral veins cannulation, collect blood samples from peripheral veins, collect blood samples for the blood culture, collect arterial blood samples, collect arterialised blood, e) collect samples from the nose, throat, skin, plural cavity, f) introduction the catheter in to urinary bladder, stomach, stomach lavage, enema, h) simple strip tests, glucose blood level		
K 08	A.U30	Actively participates in medical procedures: <input type="checkbox"/> a) blood transfusion, b) pleural cavity drainage, <input checked="" type="checkbox"/> c) skin tests, <input type="checkbox"/> d) intradermique and skaryphication tests and is able to interpretate <input type="checkbox"/> tests results	Oral response, practical examination	CC
K 09	A.U32	Actively participates in planning specialistic consultations	Oral response, practical examination	CC

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:
communication of knowledge, skills or forming attitudes:

Knowledge:5

Skills:5

Social competences:5

Student's amount of work (balance of ECTS points)

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	88
2. Student's own work (self-study):	30
Total student's workload	118
ECTS points for module/course	4
Comments	

Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is



translated to intended educational effects)

Lectures

1. Coagulation defects in children and adolescents.
2. Lymphadenopathy in children.
3. Urinary tract infection. Congenital malformations of the urinary tract.
4. Glomerulonephritis. Nephrotic syndrome.
5. Acute renal injury. Hemolytic uremic syndrome.
6. Chronic renal disease.
7. Urination disorders in children.
8. Life threatening events in children with respiratory tract diseases.
9. Diagnostic procedures of the gastrointestinal tract diseases.
10. Malabsorption syndrome. Coeliac disease.
11. Functional abdominal pain.
12. Acute diarrhoea.
13. Inflammatory bowel disease.
14. Peptic ulcer disease.

Seminars

N/A

Practical classes

1. Upper and lower respiratory tract inflammations. Laryngitis, tracheitis, pharyngitis. Bronchitis, bronchiolitis. Clinical symptoms, diagnostic procedures, differential diagnosis.
2. Viral, bacterial and atypical pneumoniae. Clinical symptoms in newborns, infants and children. Diagnostic procedures, treatment.
3. Allergic diseases as a social problem, epidemiology, basics of etiopathogenic mechanisms (environmental and genetics). Allergic rhinitis. Allergic diseases of the skin in infants. Diagnostic allergic skin tests. Bronchial asthma, clinical symptoms, diagnostic procedures (functional tests of the respiratory tract), treatment.
4. Functional disorders of the gastrointestinal tract in infants and adolescents. Chronic abdominal pain in children, symptomatology, current diagnostic procedures.
5. Acute diarrhoea. Treatment of the water-base-electrolyte disturbances. Malabsorption and maldigestion syndromes, diagnostics, treatment, consequences. Coeliac disease. Cystic fibrosis - clinical manifestations in children. Celiac disease and its manifestations in children. Chronic diarrhoea in children. Food intolerance and food allergy. Diagnostics procedures, differential diagnostics.
6. Pathological jaundice in infants and children. diagnostics, treatment, consequences.
7. Acute renal failure: etiology, clinical syndromes, diagnostic procedures, treatment. Indications for dialysis therapy.
8. Urinary lithiasis - etiology, diagnostic and therapeutic procedures, risk factors of urinary lithiasis.
9. Idiopathic nephrotic syndrome - etiopathogenesis, morphologic types, clinical symptoms,



recommendations for the treatment of the 1st time disease, clinical procedures in children with recurrent disease. Acute and chronic glomerulonephritis: etiology, clinical course of the disease, treatment.

10. Hematologic diseases in newborns. Blood anemias in children. Bleeding disorders in children.
11. Lymphoproliferative diseases of the blood. Blood leucemias in children. Hodgkin's and non-Hodgkin's lymphomas in children.
12. Lymphadenopathy and hepatosplenomegaly. Histiocytosis. Myelodysplastic syndrome. Diagnostic and treatment of solid tumours in children. Bone tumours in children. Soft tissue tumours.

Other

1.

2.

3.

etc. ...

Basic literature (list according to importance, no more than 3 items)

1. Nelson's textbook of pediatrics. 18th Edition, Saunders 2007
2. Philips Lanzkowsky: Manual of Pediatric Hematology and Oncology, Elsevier Inc., 4th ed., 2008

Additional literature and other materials (no more than 3 items)

1.

2.

3.

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)

Preliminary conditions (minimum requirements to be met by the student before starting the module/course)

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	
Good Plus (4.5)	
Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	



Name and address of module/course teaching unit, contact: telephone and e-mail address

II Katedra i Klinika Pediatrii, Gastroenterologii i Żywienia

(with Depts listed on the head of the Syllabus)

Tel: 71-7703045; e-mail: gastrped@gastro.umed.wroc.pl

Coordinator / Person responsible for module/course, contact: telephone and e-mail address

Prof. dr hab. med. Barbara Iwańczak

Tel: 71-7703045; e-mail: gastrped@gastro.umed.wroc.pl

List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.

L.p.	Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
1	Andrzej Boznański	prof. dr hab. n. med.	medicine	Physician, pediatrician, alergologist	L, CC
2	Ewa Willak-Janc	dr n. med.	medicine	Physician, pediatrician, alergologist	ćwiczenia
3	Anna Dębińska	dr n. med.	medicine	Physician, pediatrician	ćwiczenia
4	Hanna Danielewicz	dr n. med.	medicine	Physician, pediatrician, alergologist	ćwiczenia
5	Barbara Sozańska	dr hab. n. med.	medicine	Physician, pediatrician, alergologist	L, CC
6	Anna Łątkowska	dr n. med.	medicine	Physician, pediatrician, alergologist	ćwiczenia
7	Wanda Balińska-Miśkiewicz	dr n. med.	medicine	Physician, pediatrician, alergologist	ćwiczenia
8	Barbara Iwańczak	prof. dr hab. n. med.	medicine	Physician, pediatrician, gastroenterologist, pediatrician gastroenterologist	L, CC
9	Andrzej Stawarski	dr n. med.	medicine	Physician, pediatrician, gastroenterologist,	CC
10	Tomasz Pytrus	dr n. med.	medicine	lekarz Physician, pediatrician,	CC



				gastroenterologist,	
11	Elżbieta Krzesiek	dr n. med.	medicine	Physician, pediatrician, gastroenterologist,	CC
12	Krzysztof Matusiewicz	dr n. med.	medicine	Physician, pediatrician	CC
13	Anna Kofla - Dłubacz	dr n. med.	medicine	Physician, pediatrician	CC
14	Agnieszka Borys- Iwanicka	dr n. med.	medicine	Physician, pediatrician	CC
15	Katarzyna Akutko	lek. med.	medicine	Physician	CC
16	Tatiana Jamer	lek. med.	medicine	Physician	CC
17	Alicja Chybicka	prof. dr hab. n. med.	medicine	Physician, pediatrician, pediatrics hematooncologist	L, CC
18	Bernarda Kazanowska	dr hab. n. med.	medicine	Physician, pediatrician, pediatrics hematooncologist	L, CC
19	Ewa Gorczyńska	dr hab. n. med.	medicine	Physician, pediatrician, pediatrics hematooncologist	L, CC
20	Krzysztof Kałwak	prof. dr hab. n. med	medicine	Physician, pediatrician, pediatrics hematooncologist	L, CC
21	Grażyna Wróbel	dr hab. n. med.	medicine	pediatrician, pediatrics hematooncologist	CC
22	Wojciech Pietras	dr n. med.	medicine	Physician, pediatrician, pediatrics hematooncologist	CC
23	Marek Ussowicz	dr hab. n. med.	medicine	Physician, pediatrician, pediatrics hematooncologist	CC
24	Jadwiga Węclawek -Tompol	dr n. med.	medicine	Physician, pediatrician, pediatrics hematooncologist	CC
25	Elżbieta Latos - Grażyńska	dr n. med.	medicine	Physician, pediatrician, pediatrics hematooncologist	CC
26	Joanna Owoc - Lempach	dr n. med.	medicine	Physician, pediatrician, pediatrics hematooncologist	CC
27	Ewa Niedzielska	dr n. med.	medicine	Physician, pediatrician, pediatrics hematooncologist	CC
28	Monika Mielcarek	dr n. med.	medicine	Physician, pediatrician	CC



29	Dorota Sęga-Pondel	dr n. med.	medicine	Physician, pediatrician	CC
30	Małgorzata Salamonowicz	dr n. med.	medicine	Physician, pediatrician	CC
31	Justyna Kwaśnicka	lek. med.	medicine	Physician, pediatrician	CC
32	Jowita Frączkiewicz	lek. med.	medicine	Physician	CC
33	Anna Rodziewicz	lek. med.	medicine	Physician	CC
34	Dorota Sokalla	lek. med.	medicine	Physician	CC
35	Karolina Galant	lek. med.	medicine	Physician	CC
36	Mateusz Stachowiak	lek. med.	medicine	Physician	CC
37	Małgorzata Janeczko	lek. med.	medicine	Physician	CC
38	Katarzyna Sierżęga	lek. med.	medicine	Physician	CC
39	Agnieszka Pomykała	lek. med.	medicine	Physician	CC
40	Zofia Lutrowicz	lek. med.	medicine	Physician	CC
41	Danuta Zwolińska	prof. dr hab. n. med.	medicine	Physician, pediatrician, nephrologist, pediatrics nephrologist	L, CC
42	Katarzyna Kiliś- Pstrusińska	prof. dr hab. n. med.	medicine	Physician, pediatrician, nephrologist, pediatrics nephrologist	CC
43	Irena Makulska	prof. dr hab. n. med.	medicine	Physician, pediatrician, nephrologist, pediatrics nephrologist	CC
44	Dorota Polak- Jonkisz	dr hab. n. med.	medicine	Physician, pediatrician, nephrologist, pediatrics nephrologist	CC
45	Kinga Musiał	dr hab. n. med.	medicine	Physician, pediatrician, nephrologist, pediatrics nephrologist	CC
46	Anna Medyńska	dr n. med.	medicine	Physician, pediatrician, nephrologist, pediatrics nephrologist	CC
47	Irena Wikiera- Magott	dr n. med.	medicine	Physician, pediatrician, nephrologist	CC
48	Renata Bednorz	dr n. med.	medicine	Physician, pediatrician, nephrologist	CC
49	Anna Jakubowska	dr n. med.	medicine	Physician, pediatrician	CC
50	Agnieszka Pukajło-	lek. med.	medicine	Physician, pediatrician	CC



	Marczyk				
51	Konstancja Fornalczyk	lek. med.	medicine	Physician, pediatrician	CC
52	Agnieszka Bargenda	lek. med.	medicine	Physician	CC
53	Karolina Nocuń-Wasilewska	lek. med.	medicine	Physician	CC
54	Katarzyna Prościak	lek. med.	medicine	Physician	CC
55	Monika Storek	lek. med.	medicine	Physician	CC

Date of Syllabus development

30 czerwca 2017r.

Syllabus developed by

Dr n. med. Andrzej Stawarski

Signature of Head of teaching unit

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UNIwersYTET MEDYCZNY
we Wrocławiu
II. Katedra i Klinika Pediatrii,
Gastroenterologii i Żywienia
KIEROWNIK
Prof dr hab med Barbara Iwańczak

Wrocław Medical University
Signature of Faculty Dean OF MEDICINE
VICE-DEAN FOR STUDIES IN ENGLISH
[Handwritten Signature]
Prof. Andrzej Hendrich, PhD