





Rozwojowego																			
Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej	4					5													2.5
<b>Summer Semester</b>																			
I Katedra i Klinika Pediatrii, Alergologii i Kardiologii	4					6													3
Katedra i Klinika Endokrynologii i Diabetologii Wieku Rozwojowego	4					7													3
Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej	4					7													4
<b>TOTAL per year:</b>																			
I Katedra i Klinika Pediatrii, Alergologii i Kardiologii	8					11													5.5
Katedra i Klinika Endokrynologii i Diabetologii Wieku Rozwojowego	8					12													5.5
Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej	8					12													6.5
<b>Educational objectives (max. 6 items)</b>																			
C1. Mastering in recognition of life threatening conditions																			
C2. Mastering in planning and interpretation of diagnostic tests																			
C3. Mastering of appropriate and safe therapeutical approach																			
<b>Education result matrix for module/course in relation to verification methods of the intended education result and the type of class</b>																			
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	EW1	knows environmental and epidemiological causes of most common diseases	oral exam	L, CC															
W02	EW2	Infant feeding , prevention of infectious diseases;	oral exam	L, CC															
W03	EW3	knows and understands the causes, symptoms, principles of diagnostics and management of the most common diseases of children	oral exam	L, CC															
W04	EW6	Knows life threatening conditions and managment	oral exam	L, CC															
U01	EU16	plans diagnostics, management and prevention	Practical/oral/ exam	CC															
U02	EU14	Knows life threatening syndromes and emergencies	Practical/oral/ exam	CC															
U03	EU12	performs differential diagnostics of the most common diseases in adults and	Practical/oral/ exam	CC															



		children		
U04	EU24	interprets laboratory tests and identifies the abnormalities	Practical/oral/ exam	CC
U05	EU2	Performing physical examination	Practical/oral/ exam	CC
U06	EU4	Obtaining medical history	Practical/oral/ exam	CC
K01		Student establishes and maintains respectful contact with the patient, guided by the good of the patient, placing them in the first place. Respects the medical confidentiality and any rights of the patient.	oral exam	L, CC
K02		Student actively participates in the diagnostic and therapeutic processes, independently makes decisions, cooperates in a group.	oral exam	L, 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:	59
2. Student's own work (self-study):	17,5
Total student's workload	76,5
<b>ECTS points for module/course</b>	<b>3</b>
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)

Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej:

Classes are conducted in the ward of the Department. . Students acquire theoretical and practical training in etiopathogenesis and symptomatology of pediatric cancer. Under the supervision of the teacher students plan the diagnostic procedures, additional tests and treatments.

Katedra i Klinika Endokrynologii i Diabetologii Wieków Rozwojowego:

1. Contemporary methods of therapy of type 1 diabetes – insulin therapy standards – multiple daily injections and continuous subcutaneous insulin infusion. Glucose monitoring with CGM systems. Practical training: pump use, CGMS interpretation etc. Acute diabetes complications: hypoglycemia and diabetic ketoacidosis – diagnosis, treatment.

2. Puberty disorders – precocious and delayed puberty. Clinical cases presentation and interpretation. Planning of diagnostic procedures and therapy. Goals of therapy.

3. Short stature and gigantism – differential diagnosis, causes: idiopathic short stature, familial short stature, GHD. Practical training - planning of diagnostic procedures and therapy, treatment options. Goals of therapy, monitoring of the treatment.

4. Obesity and anorexia. Practical training – case studies. Nutrition principles, weight reduction in obesity, nutrition in anorexia,

I Katedra i Klinika Pediatrii, Alergologii i Kardiologii:

Classes are conducted in the ward of the Department. Students acquire theoretical and practical training in



symptomatology and examination of pediatric heart diseases, especially congenital heart diseases. Under the supervision of the teacher students plan the diagnostic procedures and additional tests for differential diagnosis of these diseases. Students take part in diagnostic procedures: live echocardiography, ECG, exercise tests, tilt-tests

### Lectures

Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej:

1. Life-threatening conditions in pediatric oncology
2. Infectious complications in cancer patients.
3. Therapeutic apheresis.
4. Targeted cancer therapies.

Katedra i Klinika Endokrynologii i Diabetologii Wieków Rozwojowych:

1. Advances in treatment of type 1 diabetes. Acute complications of diabetes. Prognosis.
2. Contemporary diagnostic and treatment of growth and puberty disorders in children and adolescents.
3. Type 2 diabetes and other types of diabetes in children. Diagnosis, treatment, prognosis.
4. Disorders of calcium metabolism in children.

I Katedra i Klinika Pediatrii, Alergologii i Kardiologii:

1. New methods in pediatric cardiology part 1: interventional treatment of CHD
2. New methods in pediatric cardiology part 2: surgical treatment of CHD
3. Cardiomyopathies in children
4. Heart failure in children

### Practical classes

Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej:

1. CNS tumors.
2. Solid tumors. Bone tumors,
3. Combination cancer therapy.
4. Late effects of cancer treatment.

Katedra i Klinika Endokrynologii i Diabetologii Wieków Rozwojowych:

1. Diabetes – etiology, diagnosis and treatment.
2. Thyroid disorders – etiology, diagnosis, treatment.
3. Adrenal glands diseases – congenital adrenal hyperplasia, etiology, diagnosis, treatment. Other causes of adrenal insufficiency, adrenal crisis.
4. Short stature. Puberty disorders. Obesity. PCOs.

I Katedra i Klinika Pediatrii, Alergologii i Kardiologii:

1. CHD with L-to-R shunt
2. Combined cyanotic CHD
3. Arrhythmias in children
4. Hypertension in children

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

1. W.E. Nelson: Textbook of Pediatrics
2. R.E. Behrman, R.M. Kliegman: Nelson Essentials of Pediatrics

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

laboratory, seminar room, overhead projector

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

Stethoscope, white coat, physical examination skills

**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)

- Active participation in classes (excused 1 absence per year)
- Obtaining credit of the test finishing the practical exercises (oral or written).

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**

Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej:

ul. Borowska 213  
50-556 Wrocław  
tel. 71 733 27 00, fax: 71-7332709  
e-mail: [pedhemat@umed.wroc.pl](mailto:pedhemat@umed.wroc.pl)

Katedra i Klinika Endokrynologii i Diabetologii Wieków Rozwojowych

ul. T. Chałubińskiego 2A  
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tel. 71 770 31 17, fax: 71 328 06 82  
e-mail: [agnieszka.zubkiewicz-kucharska@umed.wroc.pl](mailto:agnieszka.zubkiewicz-kucharska@umed.wroc.pl)

I Katedra i Klinika Pediatrii, Alergologii i Kardiologii

ul. T. Chałubińskiego 2a  
50-368 Wrocław  
tel. 71 770 30 91, fax: 71 328 12 06  
e-mail: [karolina.wyrobek@umed.wroc.pl](mailto:karolina.wyrobek@umed.wroc.pl)

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

Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej:

Prof. dr hab. Alicja Chybicka  
Dr n. med. Elżbieta Latos-Grażyńska  
ul. Borowska 213  
50-556 Wrocław  
tel. 71 733 27 00, fax: 71-7332709  
e-mail: [pedhemat@umed.wroc.pl](mailto:pedhemat@umed.wroc.pl)



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

**Teachers list:**

**I Katedra i Klinika Pediatrii, Alergologii i Kardiologii**

- Lek. Marek Wasiczonek
- Dr n. med. Ewa Masłowska
- Lek Joanna Kukawczyńska-Noczyńska
- Lek Anna Halarewicz -Ciasullo
- Lek. Magdalena Gziut

**Katedra i Klinika Endokrynologii i Diabetologii Wiekii Rozwojowego**

- Dr n. med. Aleksander Basiak
- Dr n. med. Beata Wikiera
- Dr n. med. Teresa Żak
- Dr n. med. Agnieszka Zubkiewicz-Kucharska
- Lek. Monika Seifert
- Lek. Agnieszka Gorlo

- Dr n.med. Julita Nocoń-Bohusz
- Dr n. med. Joanna Chrzanowska

**Katedra i Klinika Transplantacji Szpiku, Onkologii i Hematologii Dziecięcej:**

- Prof. dr n. med. Alicja Chybicka
- Prof. dr n. med. Bernarda Kazanowska
- Prof. dr n. med. K. Kałwak
- Dr hab. n. med. Grażyna Wróbel
- Dr hab. n. med. Marek Ussowicz
- Dr n. med. W. Pietras
- Dr n. med. Elżbieta Latos-Grażyńska
- Dr n. med. Małgorzata Salamonowicz
- Lek. Jowita Frączkiewicz
- Lek. Małgorzata Janeczko

**Date of Syllabus development**

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Uniwersytet Medyczny we Wrocławiu  
KATEDRA I KLINIKA  
TRANSPANTACJI SZPIKU, ONKOLOGII  
I HEMATOLOGII DZIECIECZEJ  
..... adiunkt dydaktyczny

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KATEDRA I KLINIKA  
TRANSPANTACJI SZPIKU, ONKOLOGII  
I HEMATOLOGII DZIECIECZEJ  
..... kierownik

**Signature of Head of teaching unit**

.....  
Cybicka

**Signature of Faculty Dean**

Wrocław Medical University  
FACULTY OF MEDICINE  
VICE-DEAN FOR ENGLISH  
.....  
Prof. Andrzej Henrich, PhD