

Syllabus for academic year: 2021/2022 Training cycle: 2018/2019-2023/2024													
Description of the course													
Course	Pediatrics(1)								Group of detailed education results				
									Group code E	Group name Clinical science not invasive			
Faculty	Faculty of Medicine												
Major	medicine												
Level of studies	<input checked="" type="checkbox"/> uniform magister studies <input type="checkbox"/> 1 st degree studies <input type="checkbox"/> 2 nd degree studies <input type="checkbox"/> 3 rd degree studies <input type="checkbox"/> postgraduate studies												
Form of studies	<input checked="" type="checkbox"/> full-time <input type="checkbox"/> part-time												
Year of studies	IV						Semester:	<input checked="" type="checkbox"/> winter <input checked="" type="checkbox"/> summer					
Type of course	<input checked="" type="checkbox"/> obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / optional												
Language of study	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English												
Number of hours													
Form of education													
	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Winter semester:													
1st Department and Clinic of Paediatrics, Allergology and Cardiology													
Direct (contact) education ¹					15								
Distance learning ²	4												
2nd Department and Clinic of Paediatrics, Gastroenterology and Nutrition													
Direct (contact) education					0								
Distance learning	2												
3rd Department and Clinic of Paediatrics, Immunology and Rheumatology of Developmental Age													
Direct (contact) education					0								

¹ Education conducted with direct participation of university teachers or other academics

² Education with applied methods and techniques for distance learning



Distance learning	4																		
Department and Clinic of Paediatric Nephrology																			
Direct (contact) education ³					0														
Distance learning ⁴	0																		
Department of Paediatric Bone Marrow Transplantation, Oncology and Hematology																			
Direct (contact) education ⁵					15														
Distance learning ⁶	4																		
Summer semester:																			
1st Department and Clinic of Paediatrics, Allergology and Cardiology																			
Direct (contact) education ⁷					0														
Distance learning ⁸	0																		
2nd Department and Clinic of Paediatrics, Gastroenterology and Nutrition																			
Direct (contact) education ⁹					15														
Distance learning ¹⁰	8																		
3rd Department and Clinic of Paediatrics, Immunology and Rheumatology of Developmental Age																			
Direct (contact) education ¹¹					0														
Distance learning ¹²	0																		
Department and Clinic of Paediatric Nephrology																			
Direct (contact) education ¹³					15														
Distance learning ¹⁴	8																		
Department of Paediatric Bone Marrow Transplantation, Oncology and Hematology																			
Direct (contact) education ¹⁵					0														

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⁴ Education with applied methods and techniques for distance learning

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¹² Education with applied methods and techniques for distance learning

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Distance learning ¹⁶	0																		
Total:																			
Winter semester (all the clinics)																			
Direct (contact) education ¹⁷					30														
Distance learning ¹⁸	14																		
Summer semester (all the clinics)																			
Direct (contact) education ¹⁹					30														
Distance learning ²⁰	16																		
Total per year:																			
Direct (contact) education ²¹					60														
Distance learning ²²	30																		
Educational objectives (max. 6 items)																			
<p>C1. Developing the ability to physically examine a child in terms of diseases of the respiratory system, gastrointestinal tract, urinary system and hematopoietic system.</p> <p>C2. Presentation of the morphological and physiological differences of individual organs and systems of the organism in developmental age (respiratory, digestive, urinary, hematopoietic systems).</p> <p>C3. Presentation of the principles of rational nutrition of healthy and sick children.</p> <p>C4. Educating students of prophylaxis and prevention in selected diseases of the digestive, respiratory, urinary and hematopoietic systems.</p> <p>C5. Acquainting students with diseases of the digestive system, respiratory system, urinary system and hematopoietic system as well as with connective tissue diseases in developmental age as well as with congenital defects and genetically conditioned diseases</p> <p>C6. Shaping social competences needed to practice the medical profession in accordance with the graduate's profile.</p>																			
Education result for course in relation to verification methods of the intended education result and the type of class:																			
Number of detailed education result	Student who completes the course knows/is able to				Methods of verification of intended education results				Form of didactic class <i>*enter the abbreviation</i>										
E.W1.	the environmental and epidemiological determinants of the most common diseases				Oral response, test				L CC										
E.W2.	the principles of nutrition for healthy and sick children, including natural feeding, immunisation and keeping a				Oral response, test				L CC										

¹⁶ Education with applied methods and techniques for distance learning

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¹⁹ Education conducted with direct participation of university teachers or other academics

²⁰ Education with applied methods and techniques for distance learning

²¹ Education conducted with direct participation of university teachers or other academics

²² Education with applied methods and techniques for distance learning



	child's health record;		
E.W3.	<p>the causes, symptoms, principles of diagnosis and therapeutic management of the diseases that are most frequent in children:</p> <ol style="list-style-type: none"> 1) acute and chronic diseases of the upper and lower respiratory tract, congenital malformations of the respiratory system, tuberculosis, cystic fibrosis, asthma, allergic rhinitis, urticaria, anaphylactic shock, angioedema, 2) anaemias, haemorrhagic diathesis, bone marrow failure, childhood cancers, including solid tumours typical of childhood, 3) acute and chronic abdominal pain, vomiting, diarrhoea, constipation, gastrointestinal bleeding, peptic ulcer disease, inflammatory bowel diseases, pancreatic diseases, cholestasis and liver diseases and other acquired diseases and congenital defects of the gastrointestinal tract, 4) urinary tract infections, congenital defects of the urinary tract, nephrotic syndrome, kidney stones, acute and chronic renal failure, acute and chronic nephritis, systemic kidney diseases, urinary disorders, vesicoureteral reflux disease, 5) connective tissue diseases, rheumatic fever, juvenile arthritis, systemic lupus, dermatomyositis 	Oral response, test	L CC
E.W6.	the most common life-threatening conditions in children and the management of these conditions	Oral response, test	CC
E.W.37	the causes, symptoms, principles of diagnosis and therapeutic management of the most common hereditary diseases;	Oral response, test	CC
E.U2.	carry out a medical interview with child and its family	Oral response	CC
E.U4.	conduct a physical examination on a child of any age	Practical skills assesment / Oral response,	CC
E.U7.	assess the general condition, state of consciousness and awareness of the patient	Practical skills assesment / Oral response,	CC
E.U9.	match anthropometric and blood pressure measurements with data on centile grids	Practical skills assesment / Oral response,	CC
E.U.12.	perform differential diagnosis of the most common diseases of children	Oral response,	CC
E.U.13.	assess and describe the somatic and psychological state of the patient	Practical skills assesment /Oral response,	CC



E.U.14.	recognise immediate life-threatening conditions	Oral response,	CC
E.U.16.	plan diagnostic, therapeutic and preventive procedures	Oral response,	CC
E.U.17.	conduct an analysis of possible adverse reactions to and interactions between individual drugs	Oral response,	CC
E.U.20	qualify the patient for home and hospital treatment	Oral response,	CC
E.U.24	interpret laboratory test results and identify causes of deviations from the norm	Oral response	CC
E.U.25.	administer nutritional treatment, including enteral and parenteral nutrition	Practical skills assessment /Oral response	CC
E.U.28	collect and preserve material for tests used in laboratory diagnosis;	Practical skills assessment	CC
E.U.29	perform basic medical procedures and treatments including: 1) measurement of body temperature (surface and deep), heart rate measurement, non-invasive blood pressure measurement, 2) monitoring of vital signs with a cardiomonitor, pulse oximetry, 3) spirometric examination, oxygen treatment, support and mechanical ventilation, 4) inserting an oropharyngeal tube, 5) intravenous, intramuscular and subcutaneous injections, peripheral venous cannulation, collection of peripheral venous blood, collection of blood for culture, collection of arterial blood, collection of arterialised capillary blood, 6) taking nasal, throat and skin swabs, 7) bladder catheterisation in women and men, gastric probing, gastric lavage, enema, 8) standard resting electrocardiogram with interpretation, electrical cardioversion and cardiac defibrillation, 9) simple strip tests and blood glucose measurement;	Practical skills assessment	CC
E.U.30	assist in performing the following medical procedures and treatments: 1) transfusion of blood and blood products, 2) the drainage of the pleural cavity, 3) the pericardiocentesis, 4) the puncture of the peritoneal cavity, 5) the spinal tap,	Practical skills assessment	CC



	<p>6) the fine-needle biopsy,</p> <p>7) the epidermal tests</p> <p>8) the intradermal and the scarification tests and interpreting their results;</p>		
E.U.32	plan specialist consultations	Oral response	CC
E.U.38	maintain patient medical records	Oral response	CC
G.U.7	recognise, when examining a child, behaviours and symptoms that indicate the possibility that violence against the child may have occurred;	Oral response	CC
G.U.8	act in such a way as to avoid medical errors;	Oral response	CC

* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

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

Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	60
2. Number of hours of distance learning:	30
3. Number of hours of student's own work:	30
4. Number of hours of directed self-study	n/a
Total student's workload	120
ECTS points for course	4

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)

I Department and Clinic of Pediatrics, Allergology and Cardiology

Classes are conducted in clinical wards (bed-side exercises), Allergology Outpatient Consultation Clinic and Respiratory System Functional Examination Laboratory. Students acquire theoretical and practical knowledge on etiopathogenesis and symptomatology of respiratory system diseases and allergic diseases in children. As far as possible students independently take care of one or several patients in whom they take medical history, plan differential diagnostics, propose additional tests and treatment. Additionally, students assist in diagnostic and therapeutic procedures. Particular attention is paid to the development of individual drawing of conclusions and cooperation with family and basic care physician.

II Department and Clinic of Pediatrics, Gastroenterology and Nutrition

Classes are conducted in clinical wards (bed-side exercises), Gastroenterology Outpatient Consultation Clinic, Endoscopy and Gastrointestinal System Functional Examination Laboratory. Students acquire theoretical and practical knowledge on etiopathogenesis and symptomatology of the gastrointestinal system diseases in children. As far as possible students independently take care of one or several patients in whom they take medical history, plan differential diagnostics, propose additional tests and treatment. Additionally, students assist in diagnostic and therapeutic procedures. Particular attention is paid to the development of individual drawing of conclusions and cooperation with family and basic care physician.

Department and Clinic of Bone Marrow Transplantation, Pediatric Oncology and Hematology



Classes are conducted in clinical wards (bed-side exercises). Students acquire theoretical and practical knowledge on etiopathogenesis and symptomatology of the hematopoietical system diseases in children. Under supervision of the teacher students independently take care of one or several patients in whom they take medical history, plan differential diagnostics, propose additional tests and treatment. Additionally, students assist in diagnostic and therapeutic procedures. Particular attention is paid to the development of individual drawing of conclusions and cooperation with family and basic care physician.

Department and Clinic of Pediatric Nephrology

Classes are conducted in the wards Clinic of Pediatric Nephrology and in Dialysis Station (bed-side exercises) and urodynamic laboratory. Students acquire theoretical and practical knowledge on etiopathogenesis and symptomatology of the urinary system diseases in children. As far as possible students independently take care of one or several patients in whom they take medical history, plan differential diagnostics, propose additional tests and treatment. Additionally, students assist in diagnostic and therapeutic procedures. Particular attention is paid to the development of individual drawing of conclusions and cooperation with family and basic care physician.

Lectures 30 h; online learning

Department and Clinic of Pediatrics, Allergology and Cardiology : winter semester 4, summer semester 0

1. Acute and chronic inflammatory states of the respiratory system in children.
2. Life-threatening conditions in respiratory tract diseases in children.

II Department and Clinic of Pediatrics, Gastroenterology and Nutrition : winter semester 2, summer semester 8

1. Inflammatory bowel disease.
2. Celiac disease and malabsorption syndrome.
3. Functional disorders of the gastrointestinal tract in children. Selected diseases of the upper gastrointestinal tract in children.
4. Pathological jaundices in infantile period. Diseases of the pancreas in children.
5. Modern diagnostic and therapeutic procedures in children with the diseases of gastrointestinal tract.

III Department and Clinic of Propaedeutic of Pediatrics, Immunology and Rheumatology of Developmental Age: winter semester 4 summer semester 0

1. The most common diseases of connective tissue in children
2. Primary Immune Deficiency Diseases (PIDDs). Symptoms and causes

Department and Clinic of Pediatric Nephrology: winter semester 0, summer semester 8

1. Glomerulonephritis. Nephrotic syndrome.
2. Urinary tract infection
3. Acute kidneys injury. Hemolytic-uremic syndrome.
4. Chronic renal disease.

Department and Clinic of Bone Marrow Transplantation, Pediatric Oncology and Hematology: winter semester 4,

summer semester 0

1. Anemias of children age.
2. Lymphadenopathy.

Seminars

None

Classes 60h

I Department and Clinic of Pediatrics, Allergology and Cardiology : winter semester 15, summer semester 0

1. Basic terms in allergology. Allergic diseases as a social problem, epidemiology, basic mechanisms of allergic diseases (environmental and genetic). Prophylaxis of allergy.
2. Respiratory tract infections. Symptomatology in various ages of children. Bronchial asthma, definition, pathophysiology, symptomatology, diagnostics (functional examinations of the respiratory system) treatment.
3. Skin disorders in allergology. Atopic dermatitis.
4. Hives. Symptomatology, pathogenesis, differential diagnostics, treatment.



5. Allergic rhinitis. Differential diagnosis of allergic and infectious rhinitis.

II Department and Clinic of Pediatrics, Gastroenterology and Nutrition :winter semester 0, summer semester 15

1. Functional disorders of the gastrointestinal tract in infants and older children. Chronic abdominal pain in children, current diagnostic methods.
2. Acute diarrhea. Basics of correction of water-electrolyte balance and acid-base balance disturbances.
3. Pathological jaundices in infants and older children, Malformations of the biliary tracts. Cholelithiasis. Pancreatitis in children
4. Celiac disease and its manifestation in developmental age. Chronic diarrhea in children. Food intolerance and food allergy – diagnostics, differential diagnostics. Disturbances of digestion and intestinal absorption. Cystic fibrosis – manifestations in children.
5. Hemorrhage from the gastrointestinal tract. Inflammatory bowel disease.

Department and Clinic of Pediatric Nephrology : winter semester 0, summer semester 15

1. Urinary tract infections: diagnostics, clinical symptoms, treatment. Functional disorders of the ureter and urinary bladder. Nocturnal enuresis. Developmental disorders of the urinary tract and their consequences, diagnosis treatment.
2. Nephrolithiasis – etiology, diagnostic and therapeutic algorithms, risk assessment. Congenital anomalies of kidney and urinary tract CAKUT -
3. Acute glomerulonephritis: etiology, clinical course, treatment. Chronic glomerulonephritis, pathomorphology, etiology, clinical course, treatment. Idiopathic nephrotic syndrome – etiopathogenesis, morphologic variants, clinical picture, recommended treatment methods of first relapse and in recurrent relapses. Arterial hypertension; etiology, diagnosis, diagnostic procedures, nonpharmacological treatment, pharmacological therapy.
4. Acute kidney injury: causes, clinical variants, diagnosis, clinical picture, diagnosis, treatment indication for dialysis, Hemolytic - uremic syndrome, etiopathogenesis, diagnostics, clinical course, treatment.
5. Chronic kidneys disease, causes, pathogenesis, clinical picture, diagnostic and treatment before dialysis, disease monitoring, preparation for renal transplantation.

Department and Clinic of Bone Marrow Transplantation, Pediatric Oncology and Hematology : winter semester 15, summer semester 0

1. Assessment of peripheral blood morphology in different age groups. Anemias of children age – symptoms, diagnostics, differential diagnostics, treatment. Thrombocytes count and functions disturbances. Granulocytes count and functions disturbances.
2. Lymphadenopathy. Hepatosplenomegaly.
3. Child age leukemia – symptoms, diagnostics, differential diagnostics, treatment. Child age lymphomas – symptoms, diagnostics, differential diagnostics, treatment.
4. Blood coagulation disturbances (hemophilia, von Willebrand disease, thrombophilia, DIC).
5. Introduction to hematopoietic cells transplantation.

Other

None

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

1. Tom Lissauer Will Carroll, Illustrated Textbook of Paediatrics, 5th Edition, 2017, Elsevier
2. Nelson. Textbook of Pediatrics. 20 edition. Robert M. Kliegman, Bonita F. Stanton, Joseph W. St. Game, Nina F. Schor, Canada, Elsevier, 2016

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

1. Red Book 2018-2021. Committee on Infectious Diseases; American Academy of Pediatrics; David W. Kimberlin, MD, FAAP, Michael T. Brady, MD, FAAP and Mary Ann Jackson, MD, FAAP
2. Materials presented at classes, seminars and lectures

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



1. **The condition for passing the exercises carried out by each department is obtaining a positive result from the test assessing the student's preparation for the current topic (the entrance test consists of five questions regarding the issues covered by the subject and / or knowledge of the rules of physical examination. Answer at three questions at least is required to pass the test**
2. Have appropriate clothing and footwear, a stethoscope, a flashlight for examining the throat
3. Acquiring the ability to perform a physical examination, conduct differential diagnosis and propose therapy

Conditions to receive credit for the course:

1. To obtain a credit for the course, it is mandatory to have positive final test result at each of four pediatric departments participating in didactic process. Final test consists of 10 questions
 - 10 correct answers - very good
 - 9 correct answers - good plus
 - 8 correct answers - good
 - 7 correct answers - satisfactory plus
 - 6 correct answers - satisfactory
 - 5 and less correct answers – unsatisfactory

* the teacher conducting the classes or didactic tutor may rise the grade up (half of the grade) taking into consideration the partial tests results and student's involvement into the classes.

To obtain a credit the student's practical skills will be assessed by the leading teacher (medical interview, physical examination, differential diagnostics).

The final grade is the overall grade (50% - test result, 50% - practical skills assessment)

2. Attendance at all classes is required to receive final credit (in case of absence or negative result of introductory test, student is obliged to make up additional classes confirmed by the teacher's signature.
3. It is mandatory to make up for all absences including rector/s days and dean's hours (it is accepted to prepare topic presentation or written essay)
4. Completion of the classes will take place in direct contact or remotely

Grade:	Criteria for courses ending with a grade²³
Very Good (5.0)	Very good answers to the theoretical questions and positive resolve diagnostic and therapeutic problems as well as 100% answers (10/10) in the final test
Good Above (4.5)	Good answers to the theoretical questions and positive resolve diagnostic and therapeutic problems as well as 90% answers (9/10) in the final test
Good (4.0)	Good answers to the greater part of the theoretical questions and rewarding solving diagnostic problems as well as 80% answers (8/10) in the final test

²³ The verification must cover all education results, which are realize in all form of classes within the course



Satisfactory Plus (3.5)	Week answers to the greater part of the questions and lack of the independent problems solving as well as 70% answers (7/10) in the final test
Satisfactory (3.0)	Lack of the correct answers to the greater part of the questions and significant troubles with diagnostic problems as well as 60% answers (6/10) in the final test
Criteria for courses ending with a credit³	
Credit	Does not apply to the Faculty of Medicine

Department in charge of the course:	1st Department and Clinic of Paediatrics, Allergology and Cardiology 2nd Department and Clinic of Paediatrics, Gastroenterology and Nutrition II Department and Clinic of Propaedeutic of Pediatrics, Immunology and Rheumatology of Developmental Age Department and Clinic of Paediatric Nephrology Department of Paediatric Bone Marrow Transplantation, Oncology and Hematology			
Department address:	M. Curie-Skłodowska str. 50/52, 50-369 Wrocław (2nd Department and Clinic of Paediatrics, Gastroenterology and Nutrition)			
Telephone:	717703045			
E-Mail:	andrzej.stawarski@umed.wroc.pl			
List of persons conducting specific classes				
Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Anna Dębińska	PhD MD	medical science	pediatrician	CC
Hanna Danielewicz	PhD MD	medical science	pediatrician, allergist	CC
Barbara Sozańska	Prof. PhD MD	medical science	pediatrician, allergist	L CC
Wanda Balińska-Miśkiewicz	PhD MD	medical science	pediatrician, allergist	CC
Joanna Połomska	MD	medical science	in the course of specialization in pediatrics	CC
Kalmil Bar	MD	medical science	in the course of specialization in pediatrics	CC
Hanna Sikorska-Szaflik	PhD MD	medical science	in the course of specialization in pediatrics	CC
Andrzej Stawarski	PhD MD	medical science	pediatrician, gastrologist	L CC
Krystyna Mowszet	PhD MD	medical science	pediatrician, gastrologist	CC
Tomasz Pytrus	PhD MD	medical science	pediatrician, gastrologist	L CC
Elżbieta Krzesiek	PhD MD	medical science	pediatrician, gastrologist	CC
Anna Kofla-Dłubacz	PhD MD	medical science	pediatrician, children's gastrologist	L CC



Agnieszka Borys-Iwanicka	PhD MD	medical science	ppdiatrician, children's gastrologist	CC
Tataiana Jamer	PhD MD	medical science	Pediatrician, In the course of specialization in childrens's gastroenterology	CC
Katarzyna Akutko	PhD MD	Medical science	Pediatrician, In the course of specialization in children's gastroenterology	CC
Anna Dancewicz	MD	medical science	in the course of specialization in pediatrics	CC
Joanna Braksator	MD	medical science	pediatritcian, In the course of specialization in childrens's gastroenterology	CC
Natalia Olszak	MD	medical science	in the course of specialization in pediatrics	CC
Paula Grębska	MD	medical science	in the course of specialization in pediatrics	CC
Alicja Chybicka	Prof. PhD MD.	medical science	physician a specialist in pediatrics, pediatric oncology and hematology, clinical immunology, clinical transplantation, palliative medicine	L CC
Bernarda Kazanowska	Prof. PhD MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology	L CC
Ewa Gorczyńska	PhD MD, Prof. WMU	medical science	physician a specialist in pediatrics, pediatric oncology and hematology, clinical transplantation	L CC
Krzysztof Kałwak	Prof. PhD MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology, clinical immunology, clinical transplantation,	L CC
Grażyna Wróbel	PhD MD	medicine	physician a specialist in pediatrics, pediatric oncology and hematology	L CC
Wojciech Pietras	PhD MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology	L CC
Marek Ussowicz	PhD MD, Prof. WMU	medical science	physician a specialist in pediatrics, pediatric oncology and hematology, clinical transplantation	L CC



Grzegorz Dobaczewski	PhD MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology	L CC
Jadwiga Węclawek - Tompol	PhD MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology	L CC
Elżbieta Latos - Grażyńska	PhD MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology	L CC
Joanna Owoc - Lempach	PhD MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology	L CC
Monika Mielcarek-Siedziuk	PhD MD	medical science	physician a specialist in pediatrics, clinical transplantation	L CC
Igor Olejnik	PhD MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology, clinical transplantation, anaesthesiology and intensive care	L CC
Dorota Sęga-Pondel	PhD MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology	L CC
Małgorzata Salamonowicz-Bodzioch	PhD MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology	L CC
Katarzyna Gul	MD	medical science	physician a specialist in pediatrics, clinical immunology	L CC
Justyna Kwaśnicka	MD	medical science	physician a specialist in pediatrics, pediatric oncology and hematology	L CC
Tomasz Jarmoliński	PhD MD	medical science	physician a specialist in pediatrics, nephrology, pediatric nepatology, clinical transplantation	L CC
Jowita Frączkiewicz	PhD MD	medical science	physician a specialist in pediatrics	L CC
Elżbieta Wawrzyniak-Dzierżek	MD	medical science	physician	CC
Michalina Horochowska	MD	medical science	physician	CC
Justyna Miśkiewicz-Bujna	MD	medical science	physician	CC



Izabela Miśkiewicz-Migoń	MD	medical science	physician	CC
Monika Rosa	MD	medical science	physician	CC
Agnieszka Kwella	MD	medical science	physician	CC
Dawid Przystupski	MD	medical science	physician	CC
Paweł Marschollek	MD	medical science	physician	CC
Danuta Zwolińska	Prof. PhD MD	medical science	pediatrician, children's nephrologist	CC
Katarzyna Kiliś-Pstrusińska	Prof. PhD MD	medical science	pediatrician, children's nephrologist	CC
Kinga Musiał	Prof. PhD MD	medical science	pediatrician, children's nephrologist	CC
Anna Jakubowska	PhD MD	medical science	pediatrician, children's nephrologist	CC
Agnieszka Pukajto-Marczyk	PhD MD	medical science	pediatrician, children's nephrologist	CC
Konstancja Fornalczyk	PhD, MD	medical science	pediatrician, children's nephrologist	CC
Katarzyna Prościak	MD	medical science	children's nephrologist	CC
Anna Kawalec	PhD, MD	medical science	in the course of specialization od pediatric nephrology	CC
Daiva Gorczyca	PhD MD	medical science	pediatrician, rheumatologist	L
Gerard Pasternak	PhD MD	medical science	pediatrician,	L
Mateusz Walkowiak	MD	medical science	physician	L

Date of Syllabus development

23.06.2021

Syllabus developed by

Andrzej Stawarski

Signature of Head of teaching unit

Andrzej Stawarski
 Uniwersytet Medyczny
 im. Piastów Śląskich we Wrocławiu
 II KATEDRA I KLINIKA PEDIATRII
 GASTROENTEROLOGII I ŻYWIENIA
 p.o. kierownika
 dr n. med. Andrzej Stawarski

Signature of Faculty Dean

Wrocław Medical University
 Faculty of Medicine
 Vice Dean for Postgraduate Studies
 prof. Beata Szczygińska, PhD