

Criteria necessary for accreditation of the subject “Pediatrics”

1) Mandatory classes:

- Clinical classes and exercises, 6th semester, Wed. 3-4:30 pm (2 classes per semester)
- Pediatric differential diagnoses with bed side teaching, 8th semester, Wed. 11 am -12:30 pm (5-6 classes per semester)
- Clinical rotation in Pediatrics, 10th semester, Mon.- Frid., 8 am -2 pm (60 hours)

2) Concordant classes

- Lecture Pediatric medicine, 8th semester
Tue. + Thur. 10:15-11 am, Wed. 10-10:45 am

3) Record of achievement:

Exam at the end of the 8th semester, accreditation after successful taking of the exam and proof of completion of the three different practical classes

Accreditation of the pediatric rotation after completion of a case presentation (during a student seminar), written case study (epicrisis) and proof of presence on the given unit

4) Learning objective:

Learning catalog Würzburg’s University Hospital Pediatric clinic and polyclinic

Pediatric knowledge is gained through the following classes:

<i>Pediatric lecture</i>	<i>V</i>
(can vary depending on clinical examples)	
<i>Pediatric Differential diagnosis</i>	<i>DD</i>
(can vary depending on clinical examples)	
<i>Pediatric class to physical examination</i>	<i>UK</i>
<i>Pediatric elective/rotation</i>	<i>BP</i>

Learning objectives	Class
Fundamentals to growth and development	V, DD, BP
Percentiles	V, DD, BP
Psychomotor and social development	V, DD, BP
Screenings	V, DD, BP
Body weight, growth and puberty	V, DD, BP
Developmental milestones	V, DD, BP
Vaccinations	V, DD, BP

Developmental and growth disorders	
Gigantism and dwarfism	V, DD, BP
Early/late puberty	V, DD, BP
Obesity	V, DD, BP
Dystrophy	V, DD, BP
Neonatology	
Definitions: premature, full term births, hypo- and hypertrophic newborns, SGA	V, DD, BP
Causes for prematurity	V, DD, BP
Intrauterine Dystrophy	V, DD, BP
Macrosomia	V, DD, BP
APGAR, postnatal adaptation	V, DD, BP
Perinatal asphyxia	V, DD, BP
Birth trauma	V, DD, BP
Intrauterine and neonatal infection (early and late onset)	V, DD, BP
Respiratory distress syndrome, Surfactant, lung maturity	V, DD, BP
Meconium aspiration syndrome	V, DD, BP
“Fluid lung”	V, DD, BP
Bronchopulmonary Dysplasia	V, DD, BP
Apnea Bradycardia Syndrome	V, DD, BP
Persistent fetal circulation	V, DD, BP
Retinopathy of prematurity, O ₂ Toxicity	V, DD, BP
Hypoxia, Hypothermia	V, DD, BP
Brain bleeds	V, DD, BP
Periventricular Leukomalacia	V, DD, BP
Neonatal seizures	V, DD, BP
Hyperbilirubinemia	V, DD, BP
Blood group incompatibility	V, DD, BP
Neonatal bleeding disorders	V, DD, BP
Screening	V, DD, BP
Neonatal exanthema	V, DD, BP
Conjunctivitis	V, DD, BP
Congenital cataract	V, DD, BP
Hydrocephalus	V, DD, BP
Choanal atresia	V, DD, BP
Cheilognathouranoschisis	V, DD, BP
Pierre Robin Syndrome	V, DD, BP
Diaphragmatic hernia	V, DD, BP
Esophageal atresia, anal atresia	V, DD, BP
Meconium ileus	V, DD, BP

Necrotizing enterocolitis	V, DD, BP
Medication during pregnancy	V, DD, BP
Maternal Substance abuse: Nicotine, Alcohol, drugs	V, DD, BP
TORCH serology	V, DD, BP
Intrauterine embryopathy	V, DD, BP
Chromosomal dysfunctions, trisomy 21	V, DD, BP
Cardiology	
Patent ductus arteriosus (PDA)	V, DD, BP
Ventricular septal defect (VSD)	V, DD, BP
Atrial septal defect (ASD)	V, DD, BP
Pulmonary stenosis	V, DD, BP
Tetralogy of Fallot	V, DD, BP
Functional murmur	V, DD, BP
Myocarditis, Endocarditis, Pericarditis	V, DD, BP
Gastroenterology	
Gastroesophageal reflux	V, DD, BP
Differential diagnosis abdominal pain	V, DD, BP
Spastic hypertrophic pylorus stenosis	V, DD, BP
Invagination	V, DD, BP
Inguinal hernia	V, DD, BP
M. Hirschprung	V, DD, BP
Malabsorption syndrome, coeliac disease	V, DD, BP
Food allergies or intolerances	V, DD, BP
Obstipation	V, DD, BP
Acute gastroenteritis	V, DD, BP
Dehydration	V, DD, BP
Hepatitis	V, DD, BP
Appendicitis	V, DD, BP
Gastritis	V, DD, BP
Crohn's disease, ulcerative colitis	V, DD, BP
Intoxication, ingestion	V, DD, BP
Nutrition for babies until adolescents	V, DD, BP
Pneumology/Allergology	
Subglottic stenosing laryngotracheitis	V, DD, BP
Epiglottitis	V, DD, BP
Pneumonia	V, DD, BP
Bronchial asthma	V, DD, BP
Foreign body aspiration	V, DD, BP
Cystic fibrosis	V, DD, BP
Atopic dermatitis	V, DD, BP
Urticarial	V, DD, BP
Allergies, anaphylactic shock	V, DD, BP
Hyposensibilization	V, DD, BP

Hematology and Oncology	
Acute lymphoblastic leukemia	V, DD, BP
Acute myeloid leukemia	V, DD, BP
Lymphomas	V, DD, BP
Brain tumors in children (medulloblastoma, astrocytoma)	V, DD, BP
Neuroblastoma	V, DD, BP
Nephroblastoma	V, DD, BP
Malignant bone tumors (Osteosarcoma, Ewing's sarcoma)	V, DD, BP
Oncological emergencies	V, DD, BP
Stem cell transplants	V, DD, BP
Histiocytosis	V, DD, BP
Differential diagnoses of anemia	V, DD, BP
Physiological anemia	V, DD, BP
Sickle-cell disease	V, DD, BP
Hemoglobinopathies	V, DD, BP
Idiopathic thrombocytopenic purpura (ITP)	V, DD, BP
Hemophilia	V, DD, BP
Von Willebrand disease	V, DD, BP
Immunology/Rheumatology incl. joint and bone illnesses	
Fundamentals of the immune system	V, DD, BP
Congenital immune defects: clinical symptoms and diagnostics	V, DD, BP
Kawasaki syndrome	V, DD, BP
Henoch-Schönlein purpura	V, DD, BP
Rheumatic fever	V, DD, BP
Reactive arthritis, joint swelling	V, DD, BP
Lyme-arthritis	V, DD, BP
Juvenile rheumatoid arthritis	V, DD, BP
Septic arthritis	V, DD, BP
Osteomyelitis	V, DD, BP
Wegener's granulomatosis	V, DD, BP
Arthritis fugax	V, DD, BP
Osgood-Schlatter disease	V, DD, BP
Osteogenesis imperfecta	V, DD, BP
Infectious diseases	V, DD, BP
Fever of unknown origin	V, DD, BP
Differential diagnoses fever	V, DD, BP
Sepsis	V, DD, BP
Rhinitis, Otitis externa, otitis media	V, DD, BP
Tonsillitis, Retropharyngeal abscess	V, DD, BP

Sinusitis, Mastoiditis, Orbital phlegmon	V, DD, BP
Stomatitis aphthosa	V, DD, BP
Scarlet fever	V, DD, BP
Lymphadenitis colli	V, DD, BP
Lymphadenopathy differential diagnoses	V, DD, BP
Meningitis	V, DD, BP
Encephalitis, brain abscess	V, DD, BP
Measles	V, DD, BP
Mumps	V, DD, BP
Rubella	V, DD, BP
Chickenpox	V, DD, BP
Pertussis	V, DD, BP
Diphtheria	V, DD, BP
Tetanus	V, DD, BP
Mononucleosis	V, DD, BP
Exanthema subitum	V, DD, BP
Impetigo	V, DD, BP
Borrelia	V, DD, BP
Tick-borne encephalitis	V, DD, BP
Tuberculosis	V, DD, BP
Neural- and social pediatrics	
Developmental milestones	V, DD, BP
Infantile cerebral palsy	V, DD, BP
Spina bifida, myelomeningocele	V, DD, BP
Hydrocephalus	V, DD, BP
Cerebral seizures, EEG, fundamentals of epileptology	V, DD, BP
Seizure with fever	V, DD, BP
Neuromuscular disorders	V, DD, BP
Neurocutaneous syndromes	V, DD, BP
Craniosynostosis, M. Crouzon	V, DD, BP
Muscular dystrophy	V, DD, BP
M. Sclerosis	V, DD, BP
Facial paralysis	V, DD, BP
Headache, migraine	V, DD, BP
Syncope	V, DD, BP
Child abuse, shaken baby	V, DD, BP
SIDS	V, DD, BP
Abnormal eating habits, anorexia	V, DD, BP
Endocrine disorders	
Struma, Hyper- and Hypothyroidism	V, DD, BP
Hypophysis disorders, adrenal insufficiency, adrenogenital syndrome	V, DD, BP
Metabolic disorders	V, DD, BP

Hypoglycemia	V, DD, BP
Phenylketonuria	V, DD, BP
Galactosemia	V, DD, BP
Fructose intolerance	V, DD, BP
Hypophosphatasia	V, DD, BP
Vitamin D deficiency -Rachitis	V, DD, BP
Nephrology/Urology	
Nephrotic Syndrome	V, DD, BP
Urinary tract infection/pyelonephritis	V, DD, BP
Hemolytic-uremic syndrome	V, DD, BP
Ureter stenosis, Urine transport disorders	V, DD, BP
Skin diseases	
Hemangioma	V, DD, BP
Eczema	V, DD, BP
Fungi, parasites, ticks	V, DD, BP

Practical knowledge	Class
Structural taking of patient's history	UK,DD, BP
Hygienic rules in Pediatrics	UK, DD, BP
Utilization of the vaccination booklet	UK, DD, BP
Physical examination suitable for children	UK, DD, BP
General inspection with assessment of suspicious appearance or body sizes	UK, DD, BP
Newborn checkup	UK, DD, BP
Morphological signs of maturity	UK, V, DD, BP
Evaluation of the APGAR score	UK, V, DD, BP
Judgment about skin color, texture and turgor	UK, DD, BP
Recognition and classification of signs of dysmorphism	UK, V, DD, BP
Assessment of vigilance	UK, DD, BP
Pharyngeal inspection	UK, DD, BP
Otoscopy	UK, DD, BP
Auscultation in children, assessment of lung function	UK, V, DD, BP
Examination of musculoskeletal system	UK, DD, BP
Examination of cardiovascular system	UK, DD, BP
Examination abdomen	UK, DD, BP

Examination genitals incl. signs of puberty	UK, V, DD, BP
Meningitis signs	UK, DD, BP
Neurological pediatric examination, Reflex status	UK, DD, BP
Pediatric milestones	UK, V, DD, BP
Newborn reflexes	UK, DD, BP
Urine diagnostics in children	V, DD, BP
Recognition of dehydration; infusion therapies	V, DD, BP
Knowledge about antipyretic and antianalgesic treatment in children	V, BP
Evaluation of thoracic X-Rays	V, BP
Assessment of blood analyses	V, BP
Documentation of findings	BP
Writing of a case study	BP
Oral case presentation	BP