

Department of Pediatrics, University Hospital Ostrava

TRAINING POSSIBILITIES

Clinical stays at Pediatric Clinic – general wards plus outpatients

1. Pregradual training at Pediatric Clinic

- Introduction to diagnostic and therapeutic procedures in childrens' most frequent diseases requiring inpatient care at pediatric wards (infants and small childrens unit - up to 6 yrs of age; childrens and adolescent unit - 6 yrs plus up to 18 yrs of age)
- Basics of ultrasound examination in pediatrics
- Outpatients :
 - Pulmology – cystic fibrosis treatment and follow-up
 - Allergology – inclusive of spirometry and diagnostic tests
 - Endocrinology – inclusive of diagnostic tests
 - Diabetology – inclusive of DM type 1 patient education
 - Gastroenterology - inclusive of endoscopy procedures (upper and lower GIT fibroscopy) and home parenteral nutrition.
 - Rheumatology – juvenile idiopathic arthritis and children with rare systemic autoimmune diseases
 - Nephrology

Length of training: 2 weeks

Content of training: the training can be modified according to the needs of trainee

2. Specialized postgradual training: pediatric nephrology

- Ultrasound and other modes of genitourinary tract imaging

Length of training: 2-4 weeks

Content of training: the training can be modified according to the needs of trainee

Clinical Stays at Pediatric Hematoonkology

- Diagnosis and treatment of acute leukemia in childhood

Length of training: 2-4 weeks

Content of training: the training can be modified according to the needs of trainee

Clinical stays at Pediatric Intensive care and Resuscitation Unit, Pediatric Dialysis and Renal Replacement Unit

1. Intensive and Resuscitation Care

- Principles of perioperative intensive care in children aged 28 days – 19 years
- Principles of ventilation support in children (non-invasive; invasive ventilation, high frequency ventilation)
- Fluid management in children, incl. Intravenous accesses (peripheral, central, IO access)
- Pediatric trauma management incl. multiple trauma, TBI and burn injuries
- Management of pediatric sepsis and multiple organ dysfunction
- Modes of invasive and non-invasive monitoring in children, incl. invasive hemodynamic monitoring
- Principles of sedation and analgesia in pediatric intensive care
- Basics in ultrasonography in intensive care (abdomen, chest, UZ-guided vascular cannulation, fluid status assessment, etc.)

2. Pediatric RRT Unit

- Intermittent dialysis
- Peritoneal dialysis
- Plasmapheresis
- CRRT (CVVH, CVVHD, HF, SCUF)
- Renal biopsy

Length of training: 1-4 weeks

Content of training: the training can be modified according to the needs of trainee

Clinical stays at Pediatrics and Prenatal Cardiology

- Investigation of children with congenital heart diseases and arrhythmias
 - Clinical investigation
 - Evaluation of resting ECG
 - Echocardiography
- Prenatal cardiology - fetal echocardiography (basic and advanced)
 - Congenital heart diseases of fetus
 - Arrhythmias of fetus (investigation and treatment)
- Functional investigation
 - Analysis of HOLTERR
 - Analysis of ergometry (load ECG)

Length of training: 1-4 weeks

Content of training: the training can be modified according to the needs of trainee

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