

[Medicinski fakultet u Rijeci]

## Curriculum 2023/2024

[Za kolegij]

# Paediatrics

Study programme: **Medical Studies in English (R)**  
[Sveučilišni integrirani prijediplomski i diplomski studij]  
Department: **[Katedra za pedijatriju]**  
Course coordinator: **izv. prof. dr. sc. Lah Tomulić Kristina, dr. med.**

Year of study: **5**  
ECTS: **11**  
Incentive ECTS: **0 (0.00%)**  
Foreign language: **Possibility of teaching in a foreign language**

## Course information:

Pediatrics is a compulsory course in the fifth year of the Integrated Undergraduate and Graduate University Study of Medicine in English. It consists of 40 hours of lectures, 70 hours of seminars and 107 hours of practicals (11 ECTS credits).

**Course objective:** The course Pediatrics aims to acquire basic knowledge and skills in pediatrics. Pediatrics is a medical discipline defined by the object of interest - the child, from birth to maturity. The interest of pediatrics is focused on the child as an individual and on the whole pediatric population. The tasks of pediatrics are multiple: study and surveillance of the growth and development of children, protection and improvement of children's health, prevention and cure of diseases, and rehabilitation of disabled children. Pediatrics is based on the unitarist approach, combining three main components of children's health care - prevention, treatment, and rehabilitation. The unique significance of pediatrics is that delivering health care to the youngest and most vulnerable age largely determines the health of future generations of adults.

The course provides specific knowledge and practical skills in pediatrics at the level required for a future primary health care practitioner, enabling students to basic diagnostic and therapeutic approaches to a sick child, initial management of the most common pediatric diseases, emergency care in pediatrics, disease prevention and environmental health hazards.

## Course content:

**Propedeutics in pediatrics** is focused on the peculiarities of young age, pediatric history, and physical examination of the child from infancy to adolescence and acquiring communication skills with children and parents/guardians. The main contents are the definition of pediatrics, the development and future of pediatrics in Croatia and the world, medical history in pediatrics, physical examination of the child, emotional development of the child, medical psychology of the sick child, the most common psychological disorders of children and adolescents and abused and neglected child.

**General, social, and preventive pediatrics** : General pediatrics includes theoretical and practical aspects of the physiology and pathology of growth and development, nutrition and nutritional disorders, assessment of nutritional status and nutritional disorders, and water, electrolyte, mineral, and acid-base disorders.

**Social pediatrics** studies the interaction of the child and the environment and the environmental factors that affect the child's health at the individual and population levels. Preventive pediatrics combines knowledge about the possibilities of preventive activities and improving children's health. The main contents are basics of child growth and development, growth and development by age, growth retardation, tall stature, nutrition of infants, preschool and school children, adolescent nutrition and its disorders, nutritional assessment, malnutrition, obesity, vitamin intake and metabolism-related diseases, nutrition of the sick child, water, electrolyte, mineral and acid-base disorders, vital statistics data, maternal and child health care, active immunisation, newborn screening and symptomatic treatment of children.

**Special pediatrics** is the largest unit that includes pathological conditions related to age (infancy, preschool age, school age, puberty, and adolescence) and pathological conditions associated with certain organ systems, with special attention to those conditions that differ from adults. Special attention is paid to recognising and managing emergencies in pediatrics, the chronically ill child, and the health care transition. The main contents are hereditary and prenatally acquired diseases, metabolic diseases, healthy newborn infants, diseases of the newborn, respiratory diseases, allergy and allergic diseases, immunity and immunodeficiencies, cardiovascular diseases, rheumatic diseases, diseases of the blood, malignant diseases, diseases of the urinary system, diseases of the endocrine system, diseases of the digestive system, liver disease, neuromuscular diseases, critically ill child and chronically ill child.

## Course learning outcomes:

### I. Cognitive domain- knowledge

1. To define tasks and unitarist approach to pediatrics
2. To describe the basic vital statistical terminology and organisation of maternal and child healthcare
3. To recognise the importance of prevention in children's health
4. To associate the main symptoms and signs of the most common childhood diseases with specific clinical conditions and syndromes
5. To select appropriate diagnostic procedures for the most common pathological conditions and diseases in pediatrics
6. To demonstrate the ability for treatment planning for the most common pediatric diseases
7. To analyse and evaluate the course of treatment, its efficacy and outcomes

### II. Psychomotor domain - skills

1. To practice taking a pediatric history
2. To apply physical examination of the child
3. To recognise the average physical growth and development of the child and disturbances in growth and development
4. To perform basic practical diagnostic and therapeutic procedures under supervision (taking of biological samples, blood pressure measurement, body temperature measurement, procedures with a febrile child, application of drugs in

children)

5. To perform basic resuscitation skills of children and management of the most common emergencies in pediatrics
6. To set optimal therapeutic procedures for the most common diseases in children (with assistance)
7. To participate in a multidisciplinary approach to the pediatric patient

### **Course structure**

Classes (lectures, seminars, practicals) are held in the 10th semester of the study for eight weeks at the Department of Pediatrics, Clinical Hospital Center Rijeka – locality Sušak. Lectures are held in the first two weeks, and seminars and practicals are held for seven weeks.

Practicals are held at the Clinic for Pediatrics - Sušak (Vjekoslava Dukića 7), Skills Lab Simulation Centre (Kabinet vještina), Adress: Zgrada Sveučilišnih odjela, Radmile Matejčić 2, Rijeka.

The first two weeks of lectures are common to all students. During lectures, students gain a theoretical overview of the main contents of the course. Seminars are problem-oriented, with case presentations. Students should regularly attend seminar classes and theoretically prepare for seminars according to the attached schedule (interactive courses). In case of an unfavourable epidemiological situation, it is possible to hold classes online.

Practicals are held for six weeks. Students are divided into groups of 5-7 students per teacher. During the practicals, students directly learn skills and practical knowledge. The first four days are practicals in pediatric propedeutics, followed by a rotation of pediatric activities and teachers, allowing students to learn about broad casuistic in pediatrics.

All students will do practicals in the Skills Lab Simulation Centre. Each group will do one day of practicals in the skills cabinet. They will be divided into three subgroups and practice different skills on the models: resuscitation in children, resuscitation of the newborn at birth, application of an intraosseous needle, safe defibrillation, and intubation.

Students will be provided with all necessary information about classes regularly.

### **List of assigned reading:**

Nelson Essential of Pediatrics, 9th Edition April 2022

### **List of optional reading:**

Bernstein D, Shelov SP. Pediatrics for Medical Students. 3rd edition. Wolters Kluwer -Lippincott Williams & Wilkins, Philadelphia, USA, 2011. Chaurasia DD. Pediatrics For Students and Practitioners. 2nd edition. CBS Publishers & Distributors Pvt Ltd, India, 2021.

## **Curriculum:**

### **Lectures list (with titles and explanation):**

#### **L1. Introduction to pediatrics**

Define pediatrics as a branch of medicine. List the goals of pediatrics. Classify developmental age. Define and explain the importance of the infant mortality rate. List the most common causes of child mortality. Explain the organization of children's health care. Explain the change in morbidity and trends in contemporary pediatrics.

#### **L2. Maternal and child health**

To understand the importance of biopsychosocial factors influencing child's health and development, particularly the connection between children and maternal health.

#### **L3. Social pediatrics**

To define the task of social pediatrics. To explain the Convention on the Rights of the Child. To explain the vital statistics related to pediatrics

#### **L5. History in pediatrics**

To list all parts of the pediatric history. List all the questions that are needed in taking a pediatric history.

#### **L6. Physical examination in pediatrics**

Describe the sequence and procedure of clinical examination of pediatric patients. Understand the specifics of the physical examination of an infant and young child

#### **L7-8. Growth and development of the child**

To analyze standard growth charts. To calculate the body surface area. To know normal pattern of growth in children, failure to thrive and understand short stature. To describe the pattern of decreased growth. To list and describe neonatal reflexes. To describe developmental milestones.

#### **L9-10. Psychomotor development and alterations**

To define the basic features of normal psychomotor development. To explain psychomotor, cognitive and emotional development. To recognize the alteration in psychomotor development.

#### **L11-12. Nutrition and eating disorders**

To explain the infant nutrition and importance of breastfeeding. To understand the optimal nutrition of preschool and school children. To list and explain the eating disorders in children. To define malnutrition and obesity.

#### **L13. Homeostasis and water, electrolyte and acid-base disorders**

To explain normal physiology of fluid requirement and electrolyte balance. To calculate normal daily fluid requirements. To calculate normal daily requirements of sodium and potassium. To analyze the acidbase disorders. To describe the signs of dehydration and initial treatment options.

#### **L14-15. The newborn infant**

To define the term infant and birth weight classification. To understand the fetal growth. To explain the transition from intrauterine to extrauterine life. To explain the procedures in normal delivery. To recognize the physiologic characteristics of the newborn. To list the most common birth injuries.

#### **L16. Premature infant**

To define the premature newborn and causes of prematurity. To explain the characteristics of premature infants. To define the risk factors and complications of prematurity.

#### **L17. Emergencies in neonatology**

To list the most common emergencies in the delivery room. To describe the newborn resuscitation algorithm. To explain the clinical signs and emergency treatment of the most common newborns emergency conditions

#### **L18. Blood count in healthy child and in the most common childhood disease**

List the main laboratory tests. Define blood count. Explain the normal values of red and white blood cells. Discuss the benefit of the differential blood count. Define anemia, neutropenia, lymphopenia and thrombocytopenia. To recognize the disorder of the blood count in the most common diseases

### **L19. Hereditary and prenatally acquired diseases**

To list the most common hereditary diseases. To understand the diseases caused by chromosomal abnormalities autosomal and gonosomal anomalies. To explain DNA analysis in medical genetics.

### **L20. Hereditary metabolic diseases**

To define hereditary metabolic diseases. To describe the signs of metabolic diseases in children. To explain the treatment of metabolic diseases.

### **L21. Immunization**

Define the difference between active and passive immunization. Describe the benefit of vaccination in the control of infectious diseases in the world and in Croatia. Analyze the causes that affect vaccination coverage. Classify the types of vaccines and list the mandatory vaccines in Croatia. Describe adverse post-vaccination reactions. Distinguish contraindications to vaccination from situations when vaccination can be carried out with precautions. List examples of indications for passive immunization in childhood.

### **L22-23. Respiratory diseases**

Describe the most important features of the morphology and function of the lungs and airways specific to developmental age. To single out the specifics of prophylactics in diseases of the respiratory system of children. List and describe the most important congenital anomalies of the respiratory system. Classify and describe inflammation of the upper respiratory tract. To single out the specifics of the diagnostic and therapeutic approach to inflammation of the upper respiratory tract in children compared to the same in adults. Classify pneumonia in children. Describe and highlight the specifics of diagnosis and treatment of community-acquired pneumonia in children. List the main causes of severe acute airway obstruction in children. Describe and explain the clinical features of acute inflammatory obstructions - croup and bronchiolitis - in infancy and childhood. Define and describe the clinical features of childhood asthma. Differentiate the treatment of chronic asthma inflammation from the treatment of acute asthma exacerbation. Recognize suspected foreign body aspiration and describe the diagnostic and therapeutic approach

### **L24-25. Cardiovascular diseases**

: List and describe the specifics of the anamnesis and physical examination in children with diseases of the heart and blood vessels. List the main diagnostic tests in diseases of the heart and blood vessels. Explain the specifics of chest X-ray imaging in diseases of the heart and blood vessels. Describe and recognize the specifics of ECG findings depending on the age of the child. List the indications and describe the diagnostic possibilities of echocardiography in children. List and classify the most common congenital heart defects and describe their epidemiological and etiological aspects. Define the characteristics and explain hemodynamics and the diagnostic and therapeutic approach in the most common congenital heart defects. List, describe and recognize heart rate and rhythm disorders. Recognize and describe the therapeutic approach to paroxysmal supraventricular arrhythmia and ventricular arrhythmias. Classify and describe the most common inflammatory heart diseases. Classify and describe the characteristics of the most common cardiomyopathies.

### **L26. Blood diseases**

To describe the structure and function of hematopoietic system. To explain the evaluation of a child with blood disease

### **L27. Anemia**

To know causes, diagnose and manage a child with anemia.

### **L28-29. Immunity and immune disorders**

s: Explain immune reactivity depending on the child's age. To single out and explain the problem of weaker immune reactivity to T-independent antigens of encapsulated bacteria in infancy and toddler age. List the clinical features that suggest the presence of immune disorders. List and explain the risk factors for recurrent respiratory infections. Define and classify primary and secondary immunodeficiencies. List and explain the most common causes of secondary immunodeficiencies. State the clinical elements that raise the suspicion of the presence of primary immunodeficiency in the child. Describe group clinical features of primary disorders of the function of cellular and humoral immunity and primary disorders of the function of phagocytes and complement. Explain the principles of diagnostic and therapeutic approach to children suffering from primary or secondary immunodeficiency

### **L30-31. Allergic diseases**

Define basic terms in allergology (allergy; atopy; allergic sensitization). Classify allergic and atopic diseases. Explain the epidemiological aspects of allergic diseases and relate them to their etiopathogenesis. List and classify the most common allergens in childhood. Explain the "allergy march". Classify the types and list the causes of urticaria. State the therapeutic approach to urticaria and Quincke's edema. Define drug allergy and describe its most common skin presentations. Explain pseudoallergic reactions. Define anaphylaxis and list its most common causes. Explain the treatment of anaphylaxis. Explain the etiopathogenesis of atopic dermatitis and describe its clinical features and treatment. Explain allergen-specific immunotherapy of allergic diseases and immune mechanisms of achieving immunotolerance. List the levels of prevention of allergic diseases and explain their principles.

### **L32. Rheumatic diseases**

: Define and classify rheumatic diseases of childhood. Explain the diagnostic principles and therapeutic approach to rheumatic diseases. Classify juvenile idiopathic arthritis into its subtypes and explain the characteristics of their clinical presentation. Define and explain the difference between reactive and post-infectious arthritis. Define and describe the clinical presentation of systemic lupus erythematosus. Classify and enumerate the most common childhood vasculitis. To describe the clinical presentation of Henoch-Schönlein purpura and Kawasaki disease and explain the treatment of these diseases.

### **L33-34. Diseases of the digestive system and liver**

To list the most common diseases of digestive system in children. To describe the symptoms of diseases of the digestive system. To describe the signs of liver disease. To explain the diagnostic approach in the digestive system diseases

### **L35-36. Diseases of the endocrine system**

To list the most common diseases of the endocrine system. To describe the symptoms and signs of endocrine disease

### **L37-38. Diseases of the urinary system**

To define the urinary tract infection. To explain hematuria and proteinuria. To describe the pathophysiology of acute kidney injury and chronic renal failure

### **L39-40. Malignant diseases**

To list the most common malignant diseases in children. To describe the etiology of malignant diseases. To explain the classification of childhood cancer. To describe the signs of malignant disease and treatment.

### **L41-42. Diseases of the central nervous system and neuromuscular disorders**

To explain the neurological signs and symptoms in physical examination. To describe the diagnostic tests in pediatric neurology. To list the most common neurological diseases

### **L43-44. The critically ill child**

To describe the signs of respiratory and circulatory failure. To describe the initial treatment options in respiratory and circulatory failure in children. To analyze the way of stabilization of a critically ill child and describe the specifics of transportation.

### **L45. Infectious diseases in childhood**

To list the most common diseases with rash in children. To recognize the signs of severe illness. To describe the treatment options. To describe immunodeficiency and to explain the difference in the treatment

## **Seminars list (with titles and explanation):**

### **S1. History**

To list all parts of the pediatric history. List all the questions that are needed in taking a pediatric history

### **S2. Physical examination of the child**

Describe the sequence and procedure of clinical examination of pediatric patients. Understand the specifics of the physical examination of an infant and a young child

### **S3. Resuscitation in children**

At the end of this teaching unit the student will be able to describe the algorithm of procedures in basic life support in children and show on the manikins the airway opening maneuvers and the cardiac compressions point

#### **S4. Growth disorders**

To list and explain the causes of short and tall stature.

#### **S5. Fever**

To define high fever in children. To list the causes and pathophysiology of fever. Describe the treatment of high fever.

#### **S6. Cough**

Define cough. Classify the types of coughs. List the most common causes of acute and chronic cough depending on the age of the child. Apply targeted anamnestic questions to discover the cause of cough. List the initial diagnostic tests in a child who coughs. Specify targeted tests to detect the cause of cough. Recognize the clinical features of cough caused by a serious underlying chronic lung disease. Discuss the principles of cough treatment.

#### **S7. Respiratory disorders in neonates**

To diagnose and manage a neonate having respiratory distress

#### **S8. Perinatal brain damage**

Define, diagnose and manage a child with birth asphyxia.

#### **S9. Neonatal jaundice**

To define, diagnose and manage neonatal jaundice

#### **S10. Infections in the newborn**

Define, diagnose and manage neonatal sepsis and other infections in neonates.

#### **S11. Premature infant**

To define premature infants according to gestational age. To describe the care of premature infant in delivery room. To list the complications of prematurity.

#### **S12. Pneumonia**

Recognize and distinguish between the clinical features of viral, bacterial and atypical community-acquired pneumonia in children. Choose laboratory and imaging tests in the diagnosis of pneumonia. Explain the principles of empirical antimicrobial therapy of pneumonia. Identify indications for hospital treatment of pneumonia. Recognize and compare the clinical features of successful and unsuccessful treatment of pneumonia.

#### **S13. Tuberculosis**

Recognize the clinical presentation of pulmonary tuberculosis in children. To describe the spectrum of clinical presentations of pulmonary tuberculosis in children. Analyze and evaluate the results of laboratory and imaging tests in pulmonary tuberculosis. Explain the microbiological diagnosis of pulmonary tuberculosis. Define latent tuberculosis. Distinguish between antimicrobial treatment of active and latent tuberculosis in children.

#### **S14. Acute inflammatory airway obstruction**

Recognize the symptoms and signs of serious airway obstruction in children. Differentiate the clinical presentation between extrathoracic and intrathoracic airway obstruction. Recognize inflammatory airway obstructions typical of infants and young children. Differentiate the clinical presentation between subglottic and supraglottic airway obstruction. To compare the pharmacotherapeutic approach between viral croup and bronchiolitis

#### **S15. Childhood asthma**

Recognize the clinical presentation of childhood asthma. Choose diagnostic tests in a child with suspected asthma. Analyze the results of spirometric measurement of lung function. Choose anti-inflammatory therapy for chronic asthmatic inflammation. List the drugs and determine the dosages and choose the method of their application in the treatment of acute asthmatic exacerbation. Recognize the indications for hospital treatment of an acute asthmatic attack.

#### **S16. Foreign bodies of the airway**

Recognize suspicion of aspiration of a foreign body in a child. List and explain the stages of clinical presentation in

acute aspiration of a foreign body. Recognize pathological signs on X-ray images of chest organs in case of aspiration of a foreign body. To assess the indication for bronchoscopy in a child with suspected foreign body aspiration. List the most common foreign bodies that children aspirate. Identify measures to prevent aspiration of a foreign body.

### **S17. Cystic fibrosis**

Recognize the clinical presentation of cystic fibrosis in infants and young children. Differentiate the clinical presentation of cystic fibrosis from other chronic lung and digestive diseases. Apply diagnostic criteria in the diagnosis of cystic fibrosis. To correlate genotype and phenotype in patients with cystic fibrosis. Explain the basic principles of cystic fibrosis treatment. Choose a possible CFTR modulator according to the patient's CFTR genotype.

### **S18. Cyanosis**

To define central and peripheral cyanosis. To list the causes of cyanosis. To explain the diagnostic approach in child with cyanosis.

### **S19. Chest pain**

To list the causes of chest pain in children. To explain life threatening conditions related to chest pain. To describe the diagnostic approach in chest pain in children

### **S20. Congenital heart disease**

To define the most common congenital heart defect. To define cyanotic and non-cyanotic heart defect. To understand the hemodynamics of congenital heart defect. To explain the ductal dependent heart defects and to understand the treatment options.

### **S21. Heart failure**

To define heart failure and to explain the etiology and pathophysiology. To recognize the clinical signs of heart failure in children. To explain the therapeutic approach of heart failure.

### **S22. The most common arrhythmias**

To define the normal heart rate in children according to age. To explain the etiology, clinical signs and treatment of supraventricular paroxysmal tachycardia. To explain the etiology and treatment of bradycardia in children.

### **S23. Evaluation of a child with a bleeding diathesis**

To describe the components of hemostasis. To explain the pathophysiology of most common coagulation disorders. To explain the causes, diagnosis and treatment of immune thrombocytopenia.

### **S24. Lymphadenopathy**

To define lymphadenopathy and diagnostic approach in children with an enlarged lymph node. To describe etiology, diagnostic approach and treatment of localized and generalized lymphadenopathy

### **S25. Malignant diseases**

To list the most common malignant diseases in children. To describe clinical signs, diagnosis and treatment of acute leukemia. To describe clinical signs, diagnosis and treatment of brain tumors, lymphomas, neuroblastoma and nephroblastoma

### **S26. Emergencies in oncology**

To list the most common emergencies in pediatric oncology. To define the pathophysiology and treatment of tumor lysis syndrome. To define and manage hyperleukocytosis. To define and manage superior vena cava syndrome.

### **S27. Urticaria and angioedema**

Recognize the clinical presentation of urticaria and Quincke's edema in a child. Describe the morphology of skin efflorescences in urticaria. Recognize the most common causes of acute and chronic spontaneous urticaria. Choose diagnostic tests in the process of discovering the cause of urticaria. Select and administer medications in children with acute spontaneous urticaria. Differentiate and recognize the clinical presentation of Quincke's edema and hereditary angioedema

### **S28. Anaphylaxis. Drug hypersensitivity**

Differentiate expected side effects of drugs from hypersensitivity to drugs. Classify types of drug hypersensitivity. Differentiate skin changes in drug hypersensitivity mediated by late-type hypersensitivity. Explain the diagnostic

procedure in case of suspected drug allergy and indicate the indications for conducting a provocation test. Recognize the clinical presentation of anaphylaxis in a child. Explain the principles of treatment of anaphylaxis. Administer adrenaline in a child with anaphylaxis.

### **S29. Rheumatic diseases**

To recognize the clinical presentation of the systemic form of juvenile idiopathic arthritis in a child. Distinguish and compare the clinical features of individual subtypes of juvenile idiopathic arthritis. Recognize the clinical presentation of Henoch-Schonlein purpura. Recognize the clinical presentation of Kawasaki disease. To analyze the differential diagnosis of Kawasaki disease

### **S30. Infant nutrition**

To understand breast feeding and its advantages. To define and know significance of infant and young child feeding.

### **S31. Acute diarrhea**

To define, assess, diagnose and manage a child with acute diarrhoea and dehydration

### **S32. Gastroesophageal reflux disease. Food hypersensitivity**

: To define gastroesophageal reflux in children. To explain the clinical signs, diagnosis and treatment of pathological reflux. To describe clinical signs, diagnostic approach and treatment of adverse food reactions and enterocolitis causes by food proteins.

### **S33. Celiac disease**

To define celiac disease. To describe clinical signs, diagnostic approach, treatment and prognosis of celiac disease.

### **S34. Inflammatory bowel disease**

To define Crohn's disease and ulcerative colitis. To describe etiopathogenesis, clinical signs, diagnostic approach, treatment, complications and prognosis of Crohn's disease and ulcerative colitis.

### **S35. Approach to a child with suspected liver disease**

To list the most common liver diseases in children. To describe the clinical manifestation of liver disease. To explain the diagnostic test in suspected liver disease. To describe the treatment options in most common liver diseases.

### **S36. Emergencies in gastroenterology**

To describe the clinical signs, diagnosis and treatment of alkali and acid ingestion and swallowed foreign bodies. To describe the emergency treatment in bleeding from upper and lower digestive tract. To diagnose and treat dehydration in children. To describe signs and treatment of acute abdomen.

### **S37. Obesity**

To define obesity in children. To describe clinical presentation and evaluation of obesity. To explain the treatment and prevention of obesity.

### **S38. Diabetes mellitus**

To define DM type 1. To explain genetics, etiology and pathophysiology of DM type 1. To describe clinical signs and laboratory findings of DM. To describe acute complications, treatment and prognosis of DM type 1. To define DM type 2 and MODY in children and explain treatment options.

### **S39. Disorders of the thyroid gland**

Explain the importance of newborn screening for congenital hypothyroidism. List the most common causes of congenital hypothyroidism. Describe the clinical picture, diagnosis and treatment of congenital hypothyroidism. List the most common causes, clinical signs and treatment of acquired hypothyroidism. Explain how hypothyroidism affects children's mental development, growth and pubertal development. To compare the treatment of congenital and acquired hypothyroidism. List the most common causes, clinical signs and treatment of hyperthyroidism.

### **S40. Precocious puberty**

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### **S41. Disorders of sex development**

Explain the basic principles of normal sexual differentiation. Classify gender differentiation disorders. Define CAH and

describe the mechanism of CAH formation. To explain the pathophysiology of ambiguous genitalia in girls with CAH. Describe the clinical picture, diagnosis and treatment of CAH. Describe the most common clinical features of children with Turner and Klinefelter syndrome

#### **S42. Emergencies in endocrinology**

To explain the pathophysiology of DKA. To describe the clinical signs and treatment of DKA. To describe the clinical signs and treatment of the acute insufficiency of the suprarenal gland. To explain the signs and treatment of thyrotoxicosis.

#### **S43. Hypoglycemia**

To define hypoglycemia in neonates and older children. To list the causes of hypoglycemia. To describe clinical signs and treatment of hypoglycemia.

#### **S44. Urinary tract infection**

To describe epidemiology, etiology and pathogenesis of urinary tract infections in children. To describe clinical signs in infants and older children with urinary infections. To explain diagnostic approach to urinary infections. To explain treatment and complications of urinary infections.

#### **S45. Hematuria and proteinuria**

To define hematuria. To explain etiology and diagnostic approach to hematuria. To describe hereditary and acquired glomerular diseases in children. To define proteinuria. To explain etiology and diagnostic approach to proteinuria. To describe clinical signs and treatment of nephrotic syndrome

#### **S46. Acute kidney injury**

To describe etiology and pathogenesis of acute kidney injury. To explain clinical signs and laboratory findings of acute kidney failure. To define HUS. To explain etiology, clinical presentation, laboratory findings and treatment of HUS

#### **S47. Hypertension**

To define hypertension according to age. To list the causes of hypertension. To define primary and secondary hypertension. To explain the treatment of hypertension and hypertensive crisis.

#### **S48. Headache**

To list causes of headaches in children. To explain classification and diagnostic approach to headaches. To describe symptoms of migraine and migraine variants. To explain treatment in headaches

#### **S49. Anomalies of the central nervous system**

To describe neurocutaneous syndromes. To list and describe craniosinostosis, microcephaly, macrocranium. To describe disorders of brain cortical development and neural tube development. To define and describe signs of hydrocephalus in children. To describe clinical signs of neurofibromatosis type 1 and 2. To define and explain clinical signs of tuberous sclerosis and Sturge Weber syndrome.

#### **S50. Cerebral palsy and neurodevelopmental disorders**

To define cerebral palsy. To describe risk factors, epidemiology, clinical presentation and etiology of cerebral palsy. To define and explain the pathophysiology of neurodevelopmental disorder.

#### **S51. Epileptic seizures, epilepsies and epileptic syndromes**

To define epileptic seizures. To describe the classification of epilepsies. To explain the work-up and treatment of epilepsy. To define status epilepticus. To explain treatment of status epilepticus in children.

#### **S52. Occasional seizures**

To define and describe neonatal seizures. To define and explain affective respiratory attacks. To define and describe signs of febrile seizures. To define and describe psychogenic seizures. To describe the work up in syncope.

#### **S53. Neuromuscular diseases**

To list the most common neuromuscular diseases. To explain neurologic signs of neuromuscular diseases. To define and describe muscular dystrophies and congenital myopathies. To describe neuromuscular junction disorders and motor neuron disease. To describe the most common inflammatory muscle diseases and neuropathies

#### **S54. Acute disorders of consciousness**

To list the most common causes of acute disorders of consciousness. To explain the Glasgow coma scale in children. To describe the diagnostic approach to a child with impaired consciousness. To define and explain the treatment of elevated intracranial pressure

#### **S55. Shock**

At the end of this teaching unit, the student will be able to list and define the types of shock in children, recognize the signs of shock and describe the initial procedures in the treatment of shock.

#### **S56. Sepsis**

At the end of this course, the student will be able to define sepsis in children and describe initial diagnostic and therapeutic procedures in children with sepsis.

#### **S57. Infections of the central nervous system**

To list the causes of infection of CNS. To describe pathogenesis and clinical signs of meningitis and encephalitis. To explain the diagnostic approach and treatment in children with meningitis and encephalitis.

#### **S58. Stabilisation and transfer of children; Triage**

To explain the importance of stabilisation before transportation; to describe the procedures for safe transportation.

#### **S59. Acute and chronic pain in children**

To explain the recognition and treatment of acute and chronic pain in children.

#### **S60. Child abuse and neglect**

To define child abuse and child neglect. To describe signs of physical, sexual and emotional abuse. To explain peer abuse.

#### **S61. Case Reports in Hematology**

Case report - interesting cases in hematology: history, physical findings, diagnosis and treatment

#### **S62. Case reports: Gastroenterology**

To explain the diagnostic approach and treatment in various clinical conditions

#### **S63. Case Reports: Nephrology**

To explain the diagnostic and clinical approaches in different clinical conditions in paediatrics

#### **S64. Case reports: Endocrinology**

Presentation of interesting cases in endocrinology: history, diagnosis and treatment

#### **S65. Case reports: Cardiology**

Interesting cases in pediatric cardiology: history, diagnosis and treatment

#### **S66: Case reports: Neurology**

Interesting cases in pediatric neurology: history, diagnosis and treatment

#### **S67: Case reports: Pediatric Pulmonology**

Interesting cases in pediatric pulmonology: history, diagnosis and treatment

#### **S68. Case reports: Pediatric Allergology**

Interesting cases in pediatric allergology: history, diagnosis and treatment

#### **S69. Case reports: Neonatology**

Interesting cases in neonatology: history, diagnosis and treatment

#### **S70. Case reports: Pediatric intensive care**

Interesting cases in pediatric intensive care - history, diagnosis and treatment

## **Exercises list (with titles and explanation):**

### **P1 - P2 - P3 - P4**

Medical history Basic principles of the communication with parents and/or a sick child medical history taking Identification of the data provider; Main complaint; Current illness History Family history Short summary of medical history of growth and development; Immunizations; Past medical history

### **P5 - P6 - P7 - P8**

Physical examination Assessment of the general condition; Assessment of the vital functions Consciousness Breathing Circulation; Body temperature Blood pressure measurement Pulse palpation Examination of the skin and subcutaneous adipose tissue Bone age assessment

### **P9-P10-P11 - P12**

Diagnostic and therapeutic procedures Collection of nasal and throat swabs Peripheral intravenous line placement Administration of intramuscular and subcutaneous injections Interpretation of blood count and biochemical findings Urinalysis Basic interpretation of electrocardiograms Interpretation of X-rays of the thoracic organs, paranasal sinuses and abdomen Ultrasound examination of the brain, heart, lungs and abdomen (observation) Physical methods for treating fever in children and antipyretics Acute management of seizures Management of acute asthma Initial evaluation and management of poisonings Treatment of a child with hypoglycemia Assessment and management of diabetic ketoacidosis Management of anaphylaxis Rational use of antibiotics in children

### **P13-P14-P15 - P16**

Growth and development Assessment of physical growth and development Anthropometric measurements (body weight, body length/height, head circumference), clinical assessment of development and distribution of subcutaneous adipose tissue, assessment of primary and secondary dentition, assessment of pubertal development (according to Tanner criteria, assessment of bone maturity) Comparison of measured values with standards for healthy children of the same age and sex. Interpretation of growth charts, calculation of body mass index, prediction of final body height. Basic diagnostic and therapeutic procedures in children with growth and developmental disorders: short stature, high stature, premature puberty, delayed puberty, malnutrition, obesity, hirsutism

### **P17 - P18-P19-P20**

Nutrition and eating disorders Feeding of infant, preschool and school-age child Breastfeeding (characteristics of breast milk, advantages of breastfeeding, difficulties in breastfeeding) Formula feeding Introducing solid foods Infantile colic Acquiring eating habits Balanced diet for preschool and school-age child Prevention of vitamin D and iron deficiency Feeding of adolescent and eating disorders Anorexia nervosa Bulimia Weight disorders Malnutrition Overweight and obesity Vitamin and mineral disorders Rickets Tetany

### **P21-P22-P23-P24**

Fluid, electrolyte and acid-base disorders Daily requirements of fluid and electrolytes Pathological fluid losses Clinical signs of dehydration Treatment of dehydration - oral and intravenous rehydration Sodium disorders: hyponatremia, hypernatremia Potassium disorders: hypokalemia, hyperkalemia Acid-base/osmolar gap disturbances Metabolic acidosis - etiology, pathophysiology, treatment

### **P25-P26-P27-P28**

Clinical approach to children with inborn errors of metabolism Clinical manifestations of metabolic diseases Pathognomonic clinical findings associated with inborn errors of metabolism Laboratory findings suggestive for inherited metabolic diseases Initial laboratory investigation and specific tests/selective screening Newborn screening Principles of the treatment Psychosocial aspects

### **P29-P30-P31-P32**

Clinical approach to children with genetic malformations Family pedigree Family history and physical examination in genetics Significance of early diagnosis of genetic anomalies Indications for prenatal genetic testing Cytogenetic analysis and molecular genetics The most common clinical disorders due to chromosomal and gonosomal abnormalities Genetic counselling

### **P33-P34-P35-P36**

Neonatology Physical examination of the newborn infant Initial care in the delivery room Resuscitation of the newborn APGAR score Assessment of gestational age Assessment of respiratory disorders Body characteristics of the newborn: the cranium, fontanelles, measurement of body weight, length and head circumference General appearance, crying

characteristics, skin color and skin changes, pathological signs: jaundice, cyanosis, bleeding, skin infections, umbilical infections, mastitis Examination of the oral cavity Chest: Auscultation of the lungs, normal and pathological sounds Auscultation of the heart, pulse and blood pressure measurement Palpation of the abdomen, size of the liver and spleen, auscultation of bowel sounds, flatulence External genitalia of female/male term and preterm newborn Examination of the hips Neurological examination of the newborn: normal and pathological position, spontaneous movements, active and passive tone, neonatal primitive reflexes Care of the newborn infant Care of the skin and umbilical cord Maintaining a normal body temperature Breastfeeding Formula feeding Normal and pathological stool Diagnostic and therapeutic procedures Blood and urine sampling Indications and principles of the phototherapy and exchange transfusion Central venous catheter placement (umbilical catheter, PICC catheter) Intubation of the newborn Basic principles of oxygen therapy Non-invasive respiratory support Mechanical ventilation Cerebral function monitoring (CFM) Therapeutic hypothermia Neonatal screening (metabolic diseases, hearing screening, screening for critical congenital heart defects). The most common pathological conditions in neonatology (tachypnea, dyspnea, jaundice, infections, perinatal asphyxia, congenital heart defects, birth injuries)

#### **P37-P38-P39-P40**

Pediatric pulmonology Propedeutics: Examination of the nose, oral cavity, pharynx, tonsils and external auditory canal Airway patency Auscultation and percussion of the lungs Normal respiratory rates by age Symptoms of respiratory failure Diagnostic and therapeutic procedures: Indications for the chest X-ray Pulmonary function tests Blood gas analysis Indications for oxygen supplementation Tuberculin sensitivity (PPD) test - procedure and interpretation The most common pathological conditions and diseases in pediatric pulmonology (acute upper respiratory tract infections, pneumonia, asthma, cystic fibrosis, airway foreign bodies)

#### **P41-P42-P43-P44**

Pediatric cardiology Propedeutics: Specific signs and symptoms Inspection, palpation, auscultation; palpation of peripheral pulses Normal heart rate by age Blood pressure measurement Observation of external signs: cyanosis, venous pulsations, heart hump Interpretation of chest X-rays Standard values and characteristics of electrocardiographic findings in children The most common pathological conditions and diseases in pediatric cardiology Hemodynamics in congenital heart diseases Basic features of cyanotic congenital heart diseases Basic features of acyanotic congenital heart diseases Cyanotic spells and management The most common disturbances of heart rate and rhythm Heart failure: signs, symptoms, diagnosis and therapy

#### **P45-P46-P47-P48**

Immunity and immunodeficiencies Clinical features of the child with immunodeficiency Basic laboratory evaluation of the child with immunodeficiency Principles of treatment Secondary immunodeficiencies Infections in patients with impaired immunity

#### **P49-P50-P51-P52**

Pediatric allergology: Diagnostic testing Principles of treatment of allergic diseases Prevention of allergic diseases The most common pathological conditions and diseases in pediatric allergology (atopic dermatitis, allergic rhinitis, urticaria, angioedema, food allergy, drug allergy)

#### **P53-P54-P55-P56**

Pediatric rheumatology Common clinical features of rheumatic diseases in children Diagnostic approach Principles of treatment the most common pathological conditions and diseases in pediatric rheumatology (rheumatic fever, juvenile idiopathic arthritis, systemic lupus erythematosus, vasculitis)

#### **P57-P58-P59-P60**

Pediatric gastroenterology Propedeutics Inspection of the abdomen, abdominal topography Superficial and deep palpation of the abdomen Percussion of the abdomen: liver, spleen, lumbar percussion Palpation of the liver and spleen Auscultation of the abdomen (peristalsis and vascular murmurs) Abdominal masses, hernias, flatulence, ascites Diagnostic procedures Stool sample collection Preparing the child for endoscopic examinations Digital rectal exam Enema administration The most common digestive system pathologies (gastroesophageal reflux, gastritis and peptic ulcer, foreign body ingestion, celiac disease, inflammatory bowel disease)

#### **P61-P62-P63-P64**

Pediatric endocrinology Basic diagnostic and therapeutic procedures in children with growth and developmental disorders: short stature, tall stature, premature puberty, delayed puberty, gynecomastia, malnutrition, obesity, hirsutism Diabetes mellitus: Diagnosis: history, physical examination (especially assessment of vital functions and hydration), blood glucose testing using test strips and blood glucose meter, measurement of glucose and ketone concentrations in urine using test strips, acid-base and electrolyte analysis. Basic principles of therapy and monitoring

of patients: blood glucose monitoring, nutrition and physical activity of the child with diabetes, principles of insulin therapy, basic characteristics of human insulin preparations and insulin analogues, basic principles of insulin pump therapy, treatment of acute complications (hypoglycemia, diabetic ketoacidosis) Disorders of the thyroid gland and adrenal glands Diagnosis and principles of treatment of thyroid diseases. Assessment of adrenocortical function. The most common pathological conditions (hypothyroidism, hyperthyroidism, adrenocortical insufficiency, congenital adrenal hyperplasia, Cushing syndrome)

#### **P65-P66-P67-P68**

Pediatric nephrology Propedeutics: Palpation of the kidneys and bladder, examination of external genitalia Urine collection for routine and microbiological examination Urinalysis Renal function tests Symptoms and signs of kidney and urinary tract diseases: edema, hypertension, oliguria, polyuria, hematuria, proteinuria The most common pathological conditions and diseases of the urinary tract (urinary tract infection, urinary tract abnormalities, vesicoureteral reflux, acute glomerulonephritis, nephrotic syndrome, urolithiasis, acute renal injury)

#### **P69-P70-P71-P72**

Pediatric hematology and oncology Propedeutics: Carefully obtained history for iron deficiency anemia, hemolytic anemia, lymphadenopathy and bleeding diathesis Clinical features of blood disorders (pallor, jaundice, hepatomegaly, splenomegaly, lymphadenopathy) Laboratory findings of blood disorders (normal and pathological values of complete blood count, morphological changes of red blood cells, fetal hemoglobin, serum iron, ferritin, bilirubin and haptoglobin) Differential diagnosis of anemia. Palpation and description of lymph nodes, liver and spleen Differential diagnosis of enlarged lymph node Types of bleeding and association with bleeding disorders Diagnostic procedures: Peripheral blood smear. Basic interpretation of complete blood count and age-dependent changes in childhood Interpretation of coagulation test results Lymph node puncture, lumbar puncture, bone marrow aspiration (only observation) Transfusion therapy Indications for red blood cell transfusions and platelet transfusions Principles of blood component transfusions Risks of blood transfusions The most common diseases of blood, hematopoietic organs and solid tumors in children (iron deficiency anemia, hemolytic anemia, hereditary disorders of hemostasis, thrombocytopenia, acquired neutropenia, leukemia, lymphoma, solid malignant tumors) Principles of antitumor therapy Supportive therapy: Psychological approach to the child with malignant disease and the family

#### **P73-P74-P75-P76**

Pediatric neurology Propedeutics: History in neurology Developmental assessment (from 2 months to 2 years) observation (spontaneous movements, behavior) assessment of gross and fine motor skills postural reactions and muscle tone, primitive reflexes, tendon reflexes, sensory functions social contact Neurologic examination of preschool and school-age children: Inspection, assessment of the mental state, cranial nerves, motor examination. Coordination, sensory functions, tendon reflexes, gait, meningeal signs, cognitive functions. Examination of the head and face (head circumference, fontanelles, cranial sutures/dyscrania, dysmorphia). Examination of the spine (deformities, anomalies). Diagnostic procedures: Neurophysiological procedures (EEG, evoked potentials, electromyography) Neuroradiologic procedures (cranial ultrasonography, CT, MR) Lumbar puncture: indications, technique interpretation of the cerebrospinal fluid findings The most common pathological conditions and diseases of the nervous system and muscles (headaches, cerebral palsy, epilepsy and epileptic syndromes, neurocutaneous syndromes, neuromuscular disorders, facial palsy)

#### **P77-P78-P79-P80**

The acutely ill child; Recognition of life-threatening conditions Basic life support; Advanced life support Intubation Vascular access / Intraosseous administration of drugs. Post-resuscitation care

#### **P81-P82-P83-P84**

Examination of pediatric patients

#### **P85-P86-P87-P88**

Practicals with different paediatric cases

#### **P89-P90-P91-P92**

Practicals with different paediatric cases

#### **P93-P94-P95-P96**

Practicals with different paediatric cases

#### **P97-P98-P99-P100-P101-P102**

Practicals with different paediatric cases

## **Student obligations:**

Students are required to attend classes regularly (lectures, seminars, practicals). Attendance at all forms of teaching is checked.

A student has the right to miss up to 30% of classes (for health reasons). A medical certificate justifies the absence from classes. Students who miss more than 30% of classes cannot complete the course.

Use of protective equipment and instruments: Students are required to attend practicals in clean medical coats and to bring a stethoscope. Protective masks, latex gloves, and other protective equipment will be used depending on the epidemiological situation.

If a student has a possible contagious disease (common cold, acute enteral infection, etc.) and comes to the practical, they should inform the teacher about their health condition, who will assess the risk of student contact with outpatients and hospitalized patients.

Recording and photographing patients and staff are not allowed.

Students are required to respect the good practice of academic behavior with colleagues, teachers and other staff of the Department of Pediatrics.

**Exam (exam taking, description of the written/oral/practical part of the exam, point distribution, grading criteria):**

The ECTS grading system is carried out by the current University of Rijeka Study Regulations and the Student Regulations at the Faculty of Medicine Rijeka (adopted by the Faculty Council of the Faculty of Medicine Rijeka). The ECTS grading scale is defined in the European Credit Transfer and Accumulation System (ECTS) framework by the European Commission.

The activity and knowledge of students are evaluated and assessed during the course and the final exam. Out of 100 points, a student can achieve a maximum of **10 points during the course (on practicals)**, **10 points on the student seminars**, **20 points on the written exam**, **10 points on the practical exam** and up to **50 points on the final oral exam**. Student progress assessment uses ECTS (D-A and F) and a numerical system (2-5 and 1). Credits are awarded only when the course has been completed, and all required examinations have been successfully taken.

**During the course**, the student acquires points by assessing the knowledge and activity on the practicals, in the written exams, and achieving success in student seminars. Teachers evaluate achievement in practicals, and the student is awarded a maximum of **10 points**. The assessment is based on the student's attendance, activities, knowledge, and skills acquired and demonstrated during the practicals.

**Achievement in practical exams during the course** is evaluated according to the following table:

Rating	Points
excellent (5)	10
very good (4)	8
good (3)	7
sufficient (2)	5
insufficient (1)	0

**Student seminars:** Students will choose a patient they saw during the exercises. The presentation of the case (anamnesis, clinical picture and laboratory findings, as well as the course of the disease and treatment) will be given in the seminar. Students will present all this in a PowerPoint presentation to other students. The seminar and presentation should be emailed to their assistant at least 3 days before the presentation day. The written seminar, the PowerPoint presentation, the mode of presentation, the knowledge and the teamwork are evaluated.

**Achievement in student seminars** is evaluated according to the following table:

Rating	Points
excellent (5)	10
very good (4)	8
good (3)	7

sufficient (2)	5
insufficient (1)	0

**The Written exam** (up to 20 points) is held after the practicals and seminars. It has 60 multiple-choice questions. The time for the written exam is one hour. A student has passed a written test if they correctly answer at least 50% of the questions.

**The results of the Written exam** are evaluated according to the following table:

Correct answers	Rating	Points
54 - 60	excellent (5)	20
45 - 53	very good (4)	17
36 - 44	good (3)	14
30 - 35	sufficient (2)	10
≤ 29	insufficient (1)	0

A student who achieves five or more points during the course and passes the written exam can take the final exam. The final grade reflects the points earned during the course and on the final exam. If the final exam is graded as insufficient, it is considered that the student did not pass, regardless of the points earned during the course.

A student who achieves less than 5 points during the course is not entitled to take the final exam and must re-enrol in the course. A student who didn't attend student seminars or has less than 29 answers on a written exam can not take the final exam.

The final exam consists of a practical and a theoretical part. The practical part of the exam is a practical test of knowledge, including the patient's physical examination and laboratory analysis. The student can achieve a maximum of 10 points on the final practical exam. The successful practical part of the final exam is a condition for taking the theoretical part of the final exam. If the student did not pass the oral exam, they must repeat it on the following final exam. The final exam's theoretical part covers the course's teaching material.

A student who passed the final practical part and did not pass the theoretical part on the next final exam must not repeat the practical part of the final exam.

**The final practical exam (up to 10 points)** is graded according to the following table:

Rating	Points
excellent (5)	10
very good (4)	8

good (3)	7
sufficient (2)	5
insufficient (1)	0

**The final oral exam (up to 50 points)** is graded according to the following table:

Result	Points
excellent (5)	50
very good (4)	40
good (3)	30
sufficient (2)	25
insufficient (1)	0

**The final grade** is the sum of ECTS grades achieved during the course and on the final exam. It is expressed by the corresponding percentage, the letter of the alphabet and the numerical grade according to the following table:

Final grade	
A (90-100%)	excellent (5)
B (75-89,9%)	very good (4)
C (60-74,9%)	good (3)
D (50-59,9%)	satisfactory (2)

## **Other notes (related to the course) important for students:**

Teaching content and other information related to the course Pediatrics is posted on the Merlin platform. Additional information can be obtained continuously during classes from the course coordinator, by personal contact or via email (the e-mail addresses of the teaching staff of the Department of Pediatrics can be found on the faculty website).

### **Department Secretary:**

**Tatjana Mužik, M.Ec.**

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*Office 148, 3rd Floor*

- Office hours for students:  
Department Office – Monday–Friday from 8 am to 4 pm

## COURSE HOURS 2023/2024

### Paediatrics

<b>Lectures</b> (Place and time or group)	<b>Exercises</b> (Place and time or group)	<b>Seminars</b> (Place and time or group)
<b>25.03.2024</b>		
<p>L1. Introduction to pediatrics:</p> <ul style="list-style-type: none"><li>• [P01] (14:00 - 14:45) <sup>[370]</sup><ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>L5. History in pediatrics:</p> <ul style="list-style-type: none"><li>• [P01] (14:50 - 15:35) <sup>[370]</sup><ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>L13. Homeostasis and water, electrolyte and acid-base disorders:</p> <ul style="list-style-type: none"><li>• [P01] (15:40 - 16:25) <sup>[372]</sup><ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>L3. Social pediatrics:</p> <ul style="list-style-type: none"><li>• [P01] (16:30 - 18:05) <sup>[369]</sup><ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul>		
prof. dr. sc. Banac Srđan, dr. med. <sup>[370]</sup> · izv. prof. dr. sc. Lah Tomulić Kristina, dr. med. <sup>[372]</sup> · prof. dr. sc. Prpić Igor, dr. med. <sup>[369]</sup>		
<b>26.03.2024</b>		
<p>L6. Physical examination in pediatrics:</p> <ul style="list-style-type: none"><li>• [P15 - VIJEĆNICA] (14:00 - 14:45) <sup>[374]</sup><ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>L7-8. Growth and development of the child:</p> <ul style="list-style-type: none"><li>• [P15 - VIJEĆNICA] (14:50 - 16:25) <sup>[369]</sup><ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>L9-10. Psychomotor development and alterations:</p> <ul style="list-style-type: none"><li>• [P15 - VIJEĆNICA] (16:30 - 18:05) <sup>[369]</sup><ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul>		
izv. prof. dr. sc. Bilić Čače Iva, dr. med. <sup>[374]</sup> · prof. dr. sc. Prpić Igor, dr. med. <sup>[369]</sup>		
<b>27.03.2024</b>		
<p>L21. Immunization:</p> <ul style="list-style-type: none"><li>• [P01] (14:00 - 14:45) <sup>[370]</sup><ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>L22-23. Respiratory diseases:</p> <ul style="list-style-type: none"><li>• [P01] (14:50 - 16:25) <sup>[370]</sup><ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>L24-25. Cardiovascular diseases:</p> <ul style="list-style-type: none"><li>• [P01] (16:30 - 18:05) <sup>[370]</sup><ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul>		
prof. dr. sc. Banac Srđan, dr. med. <sup>[370]</sup>		
<b>28.03.2024</b>		

<p>L19. Hereditary and prenatally acquired diseases:</p> <ul style="list-style-type: none"> <li>• [P15 - VIJEĆNICA] (14:00 - 14:45) <sup>[326]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L18. Blood count in healthy child and in the most common childhood disease:</p> <ul style="list-style-type: none"> <li>• [P15 - VIJEĆNICA] (14:50 - 15:35) <sup>[370]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L16. Premature infant:</p> <ul style="list-style-type: none"> <li>• [P15 - VIJEĆNICA] (15:40 - 16:25) <sup>[374]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L17. Emergencies in neonatology:</p> <ul style="list-style-type: none"> <li>• [P15 - VIJEĆNICA] (16:30 - 17:15) <sup>[374]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L20. Hereditary metabolic diseases:</p> <ul style="list-style-type: none"> <li>• [P15 - VIJEĆNICA] (17:20 - 18:05) <sup>[369]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>		
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prof. dr. sc. Banac Srđan, dr. med. <sup>[370]</sup> · izv. prof. dr. sc. Bilić Čače Iva, dr. med. <sup>[374]</sup> · prof. dr. sc. Prpić Igor, dr. med. <sup>[369]</sup> · izv. prof. dr. sc. Vraneković Jadranka, mag. educ. biol. et chem. <sup>[326]</sup>

### 29.03.2024

<p>L2. Maternal and child health:</p> <ul style="list-style-type: none"> <li>• [ONLINE] (09:00 - 09:45) <sup>[374]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L39-40. Malignant diseases:</p> <ul style="list-style-type: none"> <li>• [ONLINE] (09:50 - 10:35) <sup>[374]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L37-38. Diseases of the urinary system:</p> <ul style="list-style-type: none"> <li>• [ONLINE] (11:30 - 13:05) <sup>[1916]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>		
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izv. prof. dr. sc. Bilić Čače Iva, dr. med. <sup>[374]</sup> · naslovna prof. dr. sc. Cvitković Roić Andrea, dr. med. <sup>[1916]</sup>

### 02.04.2024

<p>L30-31. Allergic diseases:</p> <ul style="list-style-type: none"> <li>• [P01] (14:00 - 15:35) <sup>[370]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L28-29. Immunity and immune disorders:</p> <ul style="list-style-type: none"> <li>• [P01] (15:40 - 17:15) <sup>[370]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L32. Rheumatic diseases:</p> <ul style="list-style-type: none"> <li>• [P01] (17:20 - 18:05) <sup>[370]</sup> <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>		
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prof. dr. sc. Banac Srđan, dr. med. <sup>[370]</sup>

### 03.04.2024

<p>L33-34. Diseases of the digestive system and liver:</p> <ul style="list-style-type: none"> <li>• [P01] (14:00 - 15:35) [369] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L41-42. Diseases of the central nervous system and neuromuscular disorders:</p> <ul style="list-style-type: none"> <li>• [P01] (15:40 - 17:15) [369] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L26. Blood diseases:</p> <ul style="list-style-type: none"> <li>• [P01] (17:20 - 18:05) [374] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>		
<p>izv. prof. dr. sc. Bilić Čače Iva, dr. med. [374] · prof. dr. sc. Prpić Igor, dr. med. [369]</p>		
<p><b>04.04.2024</b></p>		
<p>L11-12. Nutrition and eating disorders:</p> <ul style="list-style-type: none"> <li>• [ONLINE] (14:00 - 15:35) [369] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L14-15. The newborn infant:</p> <ul style="list-style-type: none"> <li>• [ONLINE] (15:40 - 17:15) [374] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L27. Anemia:</p> <ul style="list-style-type: none"> <li>• [ONLINE] (17:20 - 18:05) [374] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>		
<p>izv. prof. dr. sc. Bilić Čače Iva, dr. med. [374] · prof. dr. sc. Prpić Igor, dr. med. [369]</p>		
<p><b>05.04.2024</b></p>		
<p>L35-36. Diseases of the endocrine system:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (14:00 - 15:35) [367] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L45. Infectious diseases in childhood:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (15:40 - 16:25) [288] [289] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>L43-44. The critically ill child:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (16:30 - 18:05) [372] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>		
<p>izv. prof. dr. sc. Cekinović Grbeša Đurđica, dr. med. [288] · izv. prof. dr. sc. Lah Tomulić Kristina, dr. med. [372] · izv. prof. dr. sc. Severinski Srećko, dr. med. [367] · izv. prof. dr. sc. Slavuljica Irena, dr. med. [289]</p>		
<p><b>08.04.2024</b></p>		
	<p>P1 - P2 - P3 - P4:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [379] [376] [383] [371] [378] [382] <ul style="list-style-type: none"> <li>◦ Group F</li> <li>◦ Group E</li> <li>◦ Group D</li> <li>◦ Group C</li> <li>◦ Group B</li> <li>◦ Group A</li> </ul> </li> </ul>	<p>S1. History:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [1909] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S2. Physical examination of the child:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [381] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S5. Fever:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [381] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>

naslovna asistentica Baraba Dekanić Kristina, dr. med. [376] · dr. sc. Butorac Ahel Ivona, dr. med. [378] · nasl. asistentica Flajšman-Raspor Sanja, dr. med. [371] · asistent Jambrović Jurica, dr. med. [1909] · doc. dr. sc. Radić Nišević Jelena, dr. med. [379] · Ružman Lucija, dr. med. [381] · naslovna asistentica Zaninović Maja, dr. med. [383] · Šerifi Senada, dr. med. [382]

#### 09.04.2024

	<p>P5 - P6 - P7 - P8:</p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (11:30 - 14:30) [379] [376] [383] [371] [378] [382]<ul style="list-style-type: none"><li>◦ Group F</li><li>◦ Group E</li><li>◦ Group D</li><li>◦ Group C</li><li>◦ Group B</li><li>◦ Group A</li></ul></li></ul>	<p>S6. Cough:</p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (08:30 - 09:15) [370]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>S4. Growth disorders:</p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (09:20 - 10:05) [378]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>S3. Resuscitation in children:</p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (10:10 - 10:55) [372]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul>
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#### 10.04.2024

	<p>P9-P10-P11 - P12:</p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (11:30 - 14:30) [379] [2777] [383] [371] [378] [1909]<ul style="list-style-type: none"><li>◦ Group A</li><li>◦ Group F</li><li>◦ Group E</li><li>◦ Group D</li><li>◦ Group C</li><li>◦ Group B</li></ul></li></ul>	<p>S7. Respiratory disorders in neonates:</p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (08:30 - 09:15) [374]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>S8. Perinatal brain damage:</p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (09:20 - 10:05) [374]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>S9. Neonatal jaundice:</p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (10:10 - 10:55) [374]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul>
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#### 11.04.2024

	<p>P13-P14-P15 - P16:</p> <ul style="list-style-type: none"><li>• [ex. KBC Kantrida --] (11:30 - 14:30) [379] [376] [2776] [371] [378] [382]<ul style="list-style-type: none"><li>◦ Group B</li><li>◦ Group A</li><li>◦ Group F</li><li>◦ Group E</li><li>◦ Group D</li><li>◦ Group C</li></ul></li></ul>	<p>S10. Infections in the newborn:</p> <ul style="list-style-type: none"><li>• [ex. KBC Kantrida --] (08:30 - 09:15) [374]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>S11. Premature infant:</p> <ul style="list-style-type: none"><li>• [ex. KBC Kantrida --] (09:20 - 10:05) [374]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p>S12. Pneumonia:</p> <ul style="list-style-type: none"><li>• [ex. KBC Kantrida --] (10:10 - 10:55) [370]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul>
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**12.04.2024**

	<p>P17 - P18-P19-P20:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [379] [376] [383] [371] [378] [382] <ul style="list-style-type: none"> <li>◦ Group A</li> <li>◦ Group C</li> <li>◦ Group B</li> <li>◦ Group F</li> <li>◦ Group E</li> <li>◦ Group D</li> </ul> </li> </ul>	<p>S13. Tuberculosis:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [370] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S14. Acute inflammatory airway obstruction:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [370] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S15. Childhood asthma:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [370] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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**15.04.2024**

	<p>P21-P22-P23-P24:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [1909] [376] [2776] [2779] [379] [381] <ul style="list-style-type: none"> <li>◦ Group A</li> <li>◦ Group F</li> <li>◦ Group E</li> <li>◦ Group D</li> <li>◦ Group C</li> <li>◦ Group B</li> </ul> </li> </ul>	<p>S31. Acute diarrhea:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [376] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S32. Gastroesophageal reflux disease. Food hypersensitivity:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [376] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S18. Cyanosis:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [381] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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**16.04.2024**

	<p>P25-P26-P27-P28:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 17:30) [1909] [376] [2776] [2779] [379] [381] <ul style="list-style-type: none"> <li>◦ Group C</li> <li>◦ Group D</li> <li>◦ Group B</li> <li>◦ Group E</li> <li>◦ Group A</li> <li>◦ Group F</li> </ul> </li> </ul> <p>P29-P30-P31-P32:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 17:30) [1909] [376] [2776] [2779] [379] [381] <ul style="list-style-type: none"> <li>◦ Group C</li> <li>◦ Group D</li> <li>◦ Group B</li> <li>◦ Group E</li> <li>◦ Group A</li> <li>◦ Group C</li> <li>◦ Group D</li> <li>◦ Group B</li> <li>◦ Group E</li> <li>◦ Group A</li> <li>◦ Group F</li> </ul> </li> </ul>	<p>S40. Precocious puberty:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [378] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S23. Evaluation of a child with a bleeding diathesis:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [381] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S24. Lymphadenopathy:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [382] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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#### 18.04.2024

	<p>P33-P34-P35-P36:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [1909] [376] [2777] [2779] [379] [381] <ul style="list-style-type: none"> <li>◦ Group E</li> <li>◦ Group B</li> <li>◦ Group A</li> <li>◦ Group C</li> <li>◦ Group F</li> <li>◦ Group D</li> </ul> </li> </ul>	<p>S25. Malignant diseases:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [381] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S26. Emergencies in oncology:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [381] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S30. Infant nutrition:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [376] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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#### 19.04.2024

	<p>P37-P38-P39-P40:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [2265] [376] [2776] [2779] [379] [381] <ul style="list-style-type: none"> <li>◦ Group F</li> <li>◦ Group B</li> <li>◦ Group C</li> <li>◦ Group A</li> <li>◦ Group D</li> <li>◦ Group E</li> </ul> </li> </ul>	<p>S16. Foreign bodies of the airway:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [370] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S17. Cystic fibrosis:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [370] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S33. Celiac disease:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [376] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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## 22.04.2024

	<p><b>P41-P42-P43-P44:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [2265] [370] [2777] [371] [374] <ul style="list-style-type: none"> <li>◦ Group B</li> <li>◦ Group C</li> <li>◦ Group A</li> <li>◦ Group D</li> <li>◦ Group E</li> </ul> </li> <li>• [Pedijatrija-Sušak] (15:30 - 18:30) [2264] <ul style="list-style-type: none"> <li>◦ Group F</li> </ul> </li> </ul>	<p><b>S27. Urticaria and angioedema:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [370] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p><b>S28. Anaphylaxis. Drug hypersensitivity:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [370] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p><b>S29. Rheumatic diseases:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [370] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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## 23.04.2024

	<p><b>P45-P46-P47-P48:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [1909] [370] [2779] [372] [374] <ul style="list-style-type: none"> <li>◦ Group E</li> <li>◦ Group C</li> <li>◦ Group B</li> <li>◦ Group F</li> <li>◦ Group A</li> </ul> </li> <li>• [Pedijatrija-Sušak] (15:15 - 18:15) [2777] <ul style="list-style-type: none"> <li>◦ Group D</li> </ul> </li> </ul>	<p><b>S34. Inflammatory bowel disease:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [376] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p><b>S43. Hypoglycemia:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [378] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p><b>S39. Disorders of the thyroid gland:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [378] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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## 24.04.2024

	<p><b>P49-P50-P51-P52:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [2265] [370] [2776] [2264] [381] [374] <ul style="list-style-type: none"> <li>◦ Group F</li> <li>◦ Group E</li> <li>◦ Group D</li> <li>◦ Group C</li> <li>◦ Group A</li> <li>◦ Group B</li> </ul> </li> </ul>	<p><b>S37. Obesity:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [378] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p><b>S38. Diabetes mellitus:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [378] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p><b>S44. Urinary tract infection:</b></p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [371] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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**25.04.2024**

	<p>P53-P54-P55-P56:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [2265] [370] [372] [2264] [2776] [2778] <ul style="list-style-type: none"> <li>◦ Group A</li> <li>◦ Group F</li> <li>◦ Group E</li> <li>◦ Group D</li> <li>◦ Group B</li> <li>◦ Group C</li> </ul> </li> </ul>	<p>S19. Chest pain:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [1909] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S45. Hematuria and proteinuria:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [371] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S41. Disorders of sex development:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [378] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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**26.04.2024**

	<p>P57-P58-P59-P60:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [2265] [370] [2777] [383] [381] [374] <ul style="list-style-type: none"> <li>◦ Group C</li> <li>◦ Group D</li> <li>◦ Group F</li> <li>◦ Group E</li> <li>◦ Group B</li> <li>◦ Group A</li> </ul> </li> </ul>	<p>S35. Approach to a child with suspected liver disease:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [376] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S36. Emergencies in gastroenterology:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [376] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S46. Acute kidney injury:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [371] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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prof. dr. sc. Banac Srđan, dr. med. [370] · naslovna asistentica Baraba Dekanić Kristina, dr. med. [376] · izv. prof. dr. sc. Bilić Čače Iva, dr. med. [374] · nasl. asistentica Flajšman-Raspor Sanja, dr. med. [371] · nasl. asistentica Gudac Mađarević Davorka, dr.med [2777] · nasl. asistentica Kovačević Franka, dr. med. [2265] · Ružman Lucija, dr. med. [381] · naslovna asistentica Zaninović Maja, dr. med. [383]

**29.04.2024**

	<p>P61-P62-P63-P64:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [2779] [2778] [381] [2777] [372] [2265] <ul style="list-style-type: none"> <li>◦ Group D</li> <li>◦ Group E</li> <li>◦ Group F</li> <li>◦ Group C</li> <li>◦ Group B</li> <li>◦ Group A</li> </ul> </li> </ul>	<p>S42. Emergencies in endocrinology:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [378] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S47. Hypertension:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [371] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S48. Headache:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [379] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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dr. sc. Butorac Ahel Ivona, dr. med. [378] · nasl. asistentica Flajšman-Raspor Sanja, dr. med. [371] · nasl. asistentica Gudac Mađarević Davorka, dr.med [2777] · nasl. asistentica Kovačević Franka, dr. med. [2265] · izv. prof. dr. sc. Lah Tomulić Kristina, dr. med. [372] · nasl. asistentica Manestar Rukavina Koraljka, dr.med [2779] · doc. dr. sc. Radić Nišević Jelena, dr. med. [379] · Ružman Lucija, dr. med. [381] · naslovna asistentica Šlabek Ema, dr. med. [2778]

**30.04.2024**

	<p>P65-P66-P67-P68:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [378] [2778] [381] [1909] [372] [2265] <ul style="list-style-type: none"> <li>◦ Group E</li> <li>◦ Group B</li> <li>◦ Group F</li> <li>◦ Group A</li> <li>◦ Group C</li> <li>◦ Group D</li> </ul> </li> </ul>	<p>S49. Anomalies of the central nervous system:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [379] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S50. Cerebral palsy and neurodevelopmental disorders:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [379] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S57. Infections of the central nervous system:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [379] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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dr. sc. Butorac Ahel Ivona, dr. med. [378] · asistent Jambrović Jurica, dr. med. [1909] · nasl. asistentica Kovačević Franka, dr. med. [2265] · izv. prof. dr. sc. Lah Tomulić Kristina, dr. med. [372] · doc. dr. sc. Radić Nišević Jelena, dr. med. [379] · Ružman Lucija, dr. med. [381] · naslovna asistentica Šlabek Ema, dr. med. [2778]

**02.05.2024**

	<p>P69-P70-P71-P72:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [2779] [2778] [372] [2776] [2777] [379] <ul style="list-style-type: none"> <li>◦ Group F</li> <li>◦ Group E</li> <li>◦ Group C</li> <li>◦ Group B</li> <li>◦ Group D</li> <li>◦ Group A</li> </ul> </li> </ul>	<p>S58. Stabilisation and transfer of children; Triage:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [372] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S53. Neuromuscular diseases:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [379] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S54. Acute disorders of consciousness:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [379] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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nasl. asistentica Gudac Mađarević Davorka, dr.med [2777] · izv. prof. dr. sc. Lah Tomulić Kristina, dr. med. [372] · nasl. asistentica Manestar Rukavina Koraljka, dr.med [2779] · doc. dr. sc. Radić Nišević Jelena, dr. med. [379] · naslovni asistent Verbić Arijan, dr.med. [2776] · naslovna asistentica Šlabek Ema, dr. med. [2778]

**03.05.2024**

	<p>P73-P74-P75-P76:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [2780] [2778] [2777] [1909] [372] [2264] <ul style="list-style-type: none"> <li>◦ Group B</li> <li>◦ Group E</li> <li>◦ Group A</li> <li>◦ Group D</li> <li>◦ Group F</li> <li>◦ Group C</li> </ul> </li> </ul>	<p>S51. Epileptic seizures, epilepsies and epileptic syndromes:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [369] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S55. Shock:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [372] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S56. Sepsis:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [372] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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nasl. asistentica Gudac Mađarević Davorka, dr.med [2777] · asistent Jambrović Jurica, dr. med. [1909] · nasl. asistentica Ješić Maja, dr.med [2780] · izv. prof. dr. sc. Lah Tomulić Kristina, dr. med. [372] · asistentica Marinić Dolores, dr. med. [2264] · prof. dr. sc. Prpić Igor, dr. med. [369] · naslovna asistentica Šlabek Ema, dr. med. [2778]

#### 06.05.2024

	<p><b>P77-P78-P79-P80:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (11:30 - 14:30) [2777] [2779] [2264] [379] [2776]<ul style="list-style-type: none"><li>◦ Group F</li><li>◦ Group E</li><li>◦ Group D</li><li>◦ Group C</li><li>◦ Group B</li></ul></li><li>• [Pedijatrija-Sušak] (17:00 - 20:00) [2778]<ul style="list-style-type: none"><li>◦ Group A</li></ul></li></ul>	<p><b>S52. Occasional seizures:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (08:30 - 09:15) [369]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p><b>S60. Child abuse and neglect:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (09:20 - 10:05) [369]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p><b>S59. Acute and chronic pain in children:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (10:10 - 10:55) [352]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul>
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doc. dr. sc. Bobinac Mirna, dr. med. [352] · nasl. asistentica Gudac Mađarević Davorka, dr.med [2777] · nasl. asistentica Manestar Rukavina Koraljka, dr.med [2779] · asistentica Marinić Dolores, dr. med. [2264] · prof. dr. sc. Prpić Igor, dr. med. [369] · doc. dr. sc. Radić Nišević Jelena, dr. med. [379] · naslovni asistent Verbić Arijan, dr.med. [2776] · naslovna asistentica Šlabek Ema, dr. med. [2778]

#### 07.05.2024

	<p><b>P81-P82-P83-P84:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (11:30 - 14:30) [369] [2779] [2264] [376] [2776] [2777]<ul style="list-style-type: none"><li>◦ Group A</li><li>◦ Group F</li><li>◦ Group E</li><li>◦ Group D</li><li>◦ Group C</li><li>◦ Group B</li></ul></li></ul> <p><b>P85-P86-P87-P88:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (16:00 - 19:00) [2779]<ul style="list-style-type: none"><li>◦ Group B</li></ul></li></ul>	<p><b>S61. Case Reports in Hematology:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (08:30 - 09:15) [2778]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p><b>S62. Case reports: Gastroenterology:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (09:20 - 10:05) [376]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p><b>S63. Case Reports: Nephrology:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (10:10 - 10:55) [371]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul>
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naslovna asistentica Baraba Dekanić Kristina, dr. med. [376] · nasl. asistentica Flajšman-Raspor Sanja, dr. med. [371] · nasl. asistentica Gudac Mađarević Davorka, dr.med [2777] · nasl. asistentica Manestar Rukavina Koraljka, dr.med [2779] · asistentica Marinić Dolores, dr. med. [2264] · prof. dr. sc. Prpić Igor, dr. med. [369] · naslovni asistent Verbić Arijan, dr.med. [2776] · naslovna asistentica Šlabek Ema, dr. med. [2778]

#### 08.05.2024

	<p><b>P85-P86-P87-P88:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (11:30 - 14:30) [369] [2264] [1909] [2776]<ul style="list-style-type: none"><li>◦ Group C</li><li>◦ Group F</li><li>◦ Group E</li><li>◦ Group A</li></ul></li><li>• [Pedijatrija-Sušak] (15:15 - 18:15) [2777]<ul style="list-style-type: none"><li>◦ Group D</li></ul></li></ul>	<p><b>S64. Case reports: Endocrinology:</b></p> <ul style="list-style-type: none"><li>• [ex. KBC Kantrida --] (08:30 - 09:15) [378]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul> <p><b>S65. Case reports: Cardiology:</b></p> <ul style="list-style-type: none"><li>• [Pedijatrija-Sušak] (09:20 - 10:05) [1909]<ul style="list-style-type: none"><li>◦ P_380</li></ul></li></ul>
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dr. sc. Butorac Ahel Ivona, dr. med. [378] · nasl. asistentica Gudac Mađarević Davorka, dr.med [2777] · asistent Jambrović Jurica, dr. med. [1909] · asistentica Marinić Dolores, dr. med. [2264] · prof. dr. sc. Prpić Igor, dr. med. [369] · naslovni asistent Verbić Arijan, dr.med. [2776]

#### 09.05.2024

	<p>P89-P90-P91-P92:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [369] [2779] [2264] [2776] [2780] <ul style="list-style-type: none"> <li>◦ Group C</li> <li>◦ Group B</li> <li>◦ Group F</li> <li>◦ Group E</li> <li>◦ Group D</li> </ul> </li> <li>• [Pedijatrija-Sušak] (12:00 - 15:00) [2778] <ul style="list-style-type: none"> <li>◦ Group A</li> </ul> </li> </ul>	<p>S67: Case reports: Pediatric Pulmonology:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 08:50) [370] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S68. Case reports: Pediatric Allergology:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:50 - 09:15) [370] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S70. Case reports: Pediatric intensive care:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:15 - 09:45) [2776] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S69. Case reports: Neonatology:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:45 - 10:15) [374] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S66: Case reports: Neurology:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:15 - 10:45) [379] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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prof. dr. sc. Banac Srđan, dr. med. [370] · izv. prof. dr. sc. Bilić Čače Iva, dr. med. [374] · nasl. asistentica Ješić Maja, dr.med [2780] · nasl. asistentica Manestar Rukavina Koraljka, dr.med [2779] · asistentica Marinić Dolores, dr. med. [2264] · prof. dr. sc. Prpić Igor, dr. med. [369] · doc. dr. sc. Radić Nišević Jelena, dr. med. [379] · naslovni asistent Verbić Arijan, dr.med. [2776] · naslovna asistentica Šlabek Ema, dr. med. [2778]

#### 10.05.2024

	<p>P93-P94-P95-P96:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (11:30 - 14:30) [369] [2780] [2264] [1909] [376] [2777] <ul style="list-style-type: none"> <li>◦ Group E</li> <li>◦ Group A</li> <li>◦ Group F</li> <li>◦ Group B</li> <li>◦ Group D</li> <li>◦ Group C</li> </ul> </li> </ul>	<p>S20. Congenital heart disease:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (08:30 - 09:15) [1909] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S21. Heart failure:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (09:20 - 10:05) [1909] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul> <p>S22. The most common arrhythmias:</p> <ul style="list-style-type: none"> <li>• [Pedijatrija-Sušak] (10:10 - 10:55) [1909] <ul style="list-style-type: none"> <li>◦ P_380</li> </ul> </li> </ul>
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naslovna asistentica Baraba Dekanić Kristina, dr. med. [376] · nasl. asistentica Gudac Mađarević Davorka, dr.med [2777] · asistent Jambrović Jurica, dr. med. [1909] · nasl. asistentica Ješić Maja, dr.med [2780] · asistentica Marinić Dolores, dr. med. [2264] · prof. dr. sc. Prpić Igor, dr. med. [369]

#### 13.05.2024

	<p>P97-P98-P99-P100-P101-P102:</p> <ul style="list-style-type: none"> <li>• [Kabinet vještina, vježbalište 2] (09:00 - 13:30) [372] [383] [2264] <ul style="list-style-type: none"> <li>◦ Group A</li> <li>◦ Group B</li> </ul> </li> </ul>	
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izv. prof. dr. sc. Lah Tomulić Kristina, dr. med. [372] · asistentica Marinić Dolores, dr. med. [2264] · naslovna asistentica Zaninović Maja, dr. med. [383]

#### 14.05.2024

	<p>P97-P98-P99-P100-P101-P102:</p> <ul style="list-style-type: none"> <li>• [Kabinet vještina, vježbalište 1] (12:00 - 16:30) <sup>[2776]</sup> <sup>[2264]</sup> <sup>[2779]</sup></li> <li>◦ Group E</li> <li>◦ Group F</li> </ul>	
<p>nasl. asistentica Manestar Rukavina Koraljka, dr.med <sup>[2779]</sup> . asistentica Marinić Dolores, dr. med. <sup>[2264]</sup> . naslovni asistent Verbić Arijan, dr.med. <sup>[2776]</sup></p>		
<p><b>15.05.2024</b></p>		
	<p>P97-P98-P99-P100-P101-P102:</p> <ul style="list-style-type: none"> <li>• [Kabinet vještina, vježbalište 1] (12:00 - 16:30) <sup>[372]</sup> <sup>[383]</sup> <sup>[2778]</sup></li> <li>◦ Group C</li> <li>◦ Group D</li> </ul>	
<p>izv. prof. dr. sc. Lah Tomulić Kristina, dr. med. <sup>[372]</sup> . naslovna asistentica Zaninović Maja, dr. med. <sup>[383]</sup> . naslovna asistentica Šlabek Ema, dr. med. <sup>[2778]</sup></p>		

### List of lectures, seminars and practicals:

LECTURES (TOPIC)	Number of hours	Location
L1. Introduction to pediatrics	1	[P01]
L2. Maternal and child health	1	[ONLINE]
L3. Social pediatrics	2	[P01]
L5. History in pediatrics	1	[P01]
L6. Physical examination in pediatrics	1	[P15 - VIJEĆNICA]
L7-8. Growth and development of the child	2	[P15 - VIJEĆNICA]
L9-10. Psychomotor development and alterations	2	[P15 - VIJEĆNICA]
L11-12. Nutrition and eating disorders	2	[ONLINE]
L13. Homeostasis and water, electrolyte and acid-base disorders	1	[P01]
L14-15. The newborn infant	2	[ONLINE]
L16. Premature infant	1	[P15 - VIJEĆNICA]
L17. Emergencies in neonatology	1	[P15 - VIJEĆNICA]
L18. Blood count in healthy child and in the most common childhood disease	1	[P15 - VIJEĆNICA]
L19. Hereditary and prenatally acquired diseases	1	[P15 - VIJEĆNICA]
L20. Hereditary metabolic diseases	1	[P15 - VIJEĆNICA]
L21. Immunization	1	[P01]
L22-23. Respiratory diseases	2	[P01]
L24-25. Cardiovascular diseases	2	[P01]
L26. Blood diseases	1	[P01]
L27. Anemia	1	[ONLINE]
L28-29. Immunity and immune disorders	2	[P01]
L30-31. Allergic diseases	2	[P01]
L32. Rheumatic diseases	1	[P01]

L33-34. Diseases of the digestive system and liver	2	[P01]
L35-36. Diseases of the endocrine system	2	[Pedijatrija-Sušak]
L37-38. Diseases of the urinary system	2	[ONLINE]
L39-40. Malignant diseases	2	[ONLINE]
L41-42. Diseases of the central nervous system and neuromuscular disorders	2	[P01]
L43-44. The critically ill child	2	[Pedijatrija-Sušak]
L45. Infectious diseases in childhood	1	[Pedijatrija-Sušak]

<b>EXERCISES (TOPIC)</b>	<b>Number of hours</b>	<b>Location</b>
P1 - P2 - P3 - P4	4	[Pedijatrija-Sušak]
P5 - P6 - P7 - P8	4	[Pedijatrija-Sušak]
P9-P10-P11 - P12	4	[Pedijatrija-Sušak]
P13-P14-P15 - P16	4	[ex. KBC Kantrida --]
P17 - P18-P19-P20	4	[Pedijatrija-Sušak]
P21-P22-P23-P24	4	[Pedijatrija-Sušak]
P25-P26-P27-P28	4	[Pedijatrija-Sušak]
P29-P30-P31-P32	4	[Pedijatrija-Sušak]
P33-P34-P35-P36	4	[Pedijatrija-Sušak]
P37-P38-P39-P40	4	[Pedijatrija-Sušak]
P41-P42-P43-P44	4	[Pedijatrija-Sušak]
P45-P46-P47-P48	4	[Pedijatrija-Sušak]
P49-P50-P51-P52	4	[Pedijatrija-Sušak]
P53-P54-P55-P56	4	[Pedijatrija-Sušak]
P57-P58-P59-P60	4	[Pedijatrija-Sušak]
P61-P62-P63-P64	4	[Pedijatrija-Sušak]
P65-P66-P67-P68	4	[Pedijatrija-Sušak]
P69-P70-P71-P72	4	[Pedijatrija-Sušak]
P73-P74-P75-P76	4	[Pedijatrija-Sušak]
P77-P78-P79-P80	4	[Pedijatrija-Sušak]
P81-P82-P83-P84	4	[Pedijatrija-Sušak]
P85-P86-P87-P88	4	[Pedijatrija-Sušak]
P89-P90-P91-P92	4	[Pedijatrija-Sušak]
P93-P94-P95-P96	4	[Pedijatrija-Sušak]
P97-P98-P99-P100-P101-P102	6	[Kabinet vještina, vježbalište 1] [Kabinet vještina, vježbalište 2]

<b>SEMINARS (TOPIC)</b>	<b>Number of hours</b>	<b>Location</b>
S1. History	1	[Pedijatrija-Sušak]

S2. Physical examination of the child	1	[Pedijatrija-Sušak]
S3. Resuscitation in children	1	[Pedijatrija-Sušak]
S4. Growth disorders	1	[Pedijatrija-Sušak]
S5. Fever	1	[Pedijatrija-Sušak]
S6. Cough	1	[Pedijatrija-Sušak]
S7. Respiratory disorders in neonates	1	[Pedijatrija-Sušak]
S8. Perinatal brain damage	1	[Pedijatrija-Sušak]
S9. Neonatal jaundice	1	[Pedijatrija-Sušak]
S10. Infections in the newborn	1	[ex. KBC Kantrida --]
S11. Premature infant	1	[ex. KBC Kantrida --]
S12. Pneumonia	1	[ex. KBC Kantrida --]
S13. Tuberculosis	1	[Pedijatrija-Sušak]
S14. Acute inflammatory airway obstruction	1	[Pedijatrija-Sušak]
S15. Childhood asthma	1	[Pedijatrija-Sušak]
S16. Foreign bodies of the airway	1	[Pedijatrija-Sušak]
S17. Cystic fibrosis	1	[Pedijatrija-Sušak]
S18. Cyanosis	1	[Pedijatrija-Sušak]
S19. Chest pain	1	[Pedijatrija-Sušak]
S20. Congenital heart disease	1	[Pedijatrija-Sušak]
S21. Heart failure	1	[Pedijatrija-Sušak]
S22. The most common arrhythmias	1	[Pedijatrija-Sušak]
S23. Evaluation of a child with a bleeding diathesis	1	[Pedijatrija-Sušak]
S24. Lymphadenopathy	1	[Pedijatrija-Sušak]
S25. Malignant diseases	1	[Pedijatrija-Sušak]
S26. Emergencies in oncology	1	[Pedijatrija-Sušak]
S27. Urticaria and angioedema	1	[Pedijatrija-Sušak]
S28. Anaphylaxis. Drug hypersensitivity	1	[Pedijatrija-Sušak]
S29. Rheumatic diseases	1	[Pedijatrija-Sušak]
S30. Infant nutrition	1	[Pedijatrija-Sušak]
S31. Acute diarrhea	1	[Pedijatrija-Sušak]
S32. Gastroesophageal reflux disease. Food hypersensitivity	1	[Pedijatrija-Sušak]
S33. Celiac disease	1	[Pedijatrija-Sušak]
S34. Inflammatory bowel disease	1	[Pedijatrija-Sušak]
S35. Approach to a child with suspected liver disease	1	[Pedijatrija-Sušak]
S36. Emergencies in gastroenterology	1	[Pedijatrija-Sušak]
S37. Obesity	1	[Pedijatrija-Sušak]
S38. Diabetes mellitus	1	[Pedijatrija-Sušak]
S39. Disorders of the thyroid gland	1	[Pedijatrija-Sušak]

S40. Precocious puberty	1	[Pedijatrija-Sušak]
S41. Disorders of sex development	1	[Pedijatrija-Sušak]
S42. Emergencies in endocrinology	1	[Pedijatrija-Sušak]
S43. Hypoglycemia	1	[Pedijatrija-Sušak]
S44. Urinary tract infection	1	[Pedijatrija-Sušak]
S45. Hematuria and proteinuria	1	[Pedijatrija-Sušak]
S46. Acute kidney injury	1	[Pedijatrija-Sušak]
S47. Hypertension	1	[Pedijatrija-Sušak]
S48. Headache	1	[Pedijatrija-Sušak]
S49. Anomalies of the central nervous system	1	[Pedijatrija-Sušak]
S50. Cerebral palsy and neurodevelopmental disorders	1	[Pedijatrija-Sušak]
S51. Epileptic seizures, epilepsies and epileptic syndromes	1	[Pedijatrija-Sušak]
S52. Occasional seizures	1	[Pedijatrija-Sušak]
S53. Neuromuscular diseases	1	[Pedijatrija-Sušak]
S54. Acute disorders of consciousness	1	[Pedijatrija-Sušak]
S55. Shock	1	[Pedijatrija-Sušak]
S56. Sepsis	1	[Pedijatrija-Sušak]
S57. Infections of the central nervous system	1	[Pedijatrija-Sušak]
S58. Stabilisation and transfer of children; Triage	1	[Pedijatrija-Sušak]
S59. Acute and chronic pain in children	1	[Pedijatrija-Sušak]
S60. Child abuse and neglect	1	[Pedijatrija-Sušak]
S61. Case Reports in Hematology	1	[Pedijatrija-Sušak]
S62. Case reports: Gastroenterology	1	[Pedijatrija-Sušak]
S63. Case Reports: Nephrology	1	[Pedijatrija-Sušak]
S64. Case reports: Endocrinology	1	[ex. KBC Kantrida --]
S65. Case reports: Cardiology	1	[Pedijatrija-Sušak]
S66: Case reports: Neurology	1	[Pedijatrija-Sušak]
S67: Case reports: Pediatric Pulmonology	1	[Pedijatrija-Sušak]
S68. Case reports: Pediatric Allergology	1	[Pedijatrija-Sušak]
S69. Case reports: Neonatology	1	[Pedijatrija-Sušak]
S70. Case reports: Pediatric intensive care	1	[Pedijatrija-Sušak]

### EXAM DATES (final exam):

1.	20.05.2024.
2.	02.07.2024.
3.	06.09.2024.
4.	20.09.2024.