

Program of Study : General Medicine

Course : Pediatrics

Abbreviation : DET/VA011

Schedule : 34 hours of seminars
104 hours of clinical training (4 weeks long block)

Course Distribution : 5 th year, 9th semester

Number of Credits : 6

Course Form : Seminars, clinical training

Seminars :

Teachers : **Barbora Ludikova, M.D. PhD.**
Dagmar Pospisilova, M.D., Ph.D., Prof.
Vladimir Mihal, M.D., CSc., Prof.
Jana Volejnikova, M.D., PhD.
Frantisek Kopriva, M.D., Ph.D., Prof.
Vendula Látalová, M.D.
Katerina Bouchalova, M.D., PhD.
Hana Flögelova, M.D., PhD.
Martin Zápalka, M.D. PhD.
Eva Klaskova, M.D PhD., ass.prof.
Lucie Sulovska, M.D., PhD.
Petr Birke, M.D.
Miloš Geryk, M.D.
Veronika Moškořová, M.D.
Miloš Gery, M.D.
Hana Foltenová, M.D.
Eva Karásková, M.D., PhD.

Study : Block, Mo – Fri 8,00 – 13,00.

Block Date : 18/10 – 12/11 2021 sk A3
13/12 – 14/01 2022 sk A1Bb Erasmus
14/03 – 08/04 2022 sk A1A + A1Ba

	Block Day	Subject	No. of Less.	Teacher
	1	History taking in pediatrics.	1	Volejnikova
	2	Physical exam in pediatrics. Growth and development. Prevention.	1	Volejnikova
	3	Newborn.	1	Wita
	4	Paediatric oncology.	1	Mihal
	5	Childhood leukaemias.	2	Pospisilova
	6	Essentials of paediatric cardiology	2	Klaskova

7	Fever of unknown origin Severe bacterial infection. Sepsis, septic shock.	2	Mihál
8	Chronic respiratory disorders, cystic fibrosis. Asthma.	2	Kopriva
9	Immune system in children. Immunodeficiency. Essentials of paediatric rheumatology.	2	Kopriva
10	Anaemias in children.	2	Pospisilova
11	CNS infections. Headache.	2	Mihál/Ludikova
12	Bleeding child.	2	Pospisilova
13	Diabetes mellitus. Thyroid gland diseases.	2	Pospisilova/ Bouchalova
14	The endocrine system. Growth retardation. Disorders of pubertal development.	2	Bouchalova
15	Congenital kidney anomalies, urinary tract infection, Glomerulonephritis.	2	Flogelova
16	Essentials of paediatric gastroenterology. Inflammatory bowel diseases. Malabsorbtion.	2	Karaskova
17	Severe acute inflammatory upper airway obstruction. Persistent and recurrent cough.	2	Kopriva
18	Evidence-Based Medicine/Practice in Paediatrics – searching for evidence. Case reports	2	Mihal/Potomková
19	Resuscitation. Management of suspected anaphylaxis and recogniton of symptoms on simulator	2	Seda

Bed-side teaching:

Leading Teacher : Barbora Ludíková, M.D., Ph.D.

Study : Block. Bedside teaching and outpatient clinics. S: Short reports

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Block Day	Subject	No. of Less.
1	Assignment of case reports	4
2	Bedside teaching S: Case reports: guess the diagnosis	4
3	Bedside teaching S: Arthralgia: Differential diagnosis	4
4	Bedside teaching S: Respiratory tract diseases I:laryngitis, epiglottitis, bronchiolitis	4

5	Bedside teaching S: BCG vaccination	4
6	Bedside teaching S: Lymphadenopathy	4
7	Bedside teaching S: Hepatosplenomegaly	4
8	Bedside teaching S: Trauma, burns	4
9	Bedside teaching	4
10	Bedside teaching	4
11	Bedside teaching S: Trauma, burns	4
12	Bedside teaching 11.30: Case reports	4
13	Bedside teaching 11.30: Case reports	4
14	Laboratory 11.30: Case reports	4
15	Bedside teaching 11.30: Case reports	4
16 - 20	Bedside teaching	6
21	Simulators – practice training of recognition of symptoms	4x5

Completed by : Credit, final exam or state exam

Requirements : Presence in all seminars and clinical training sessions/ we accept a duly forgiven 10% absence on the basis of a medical certificate in case of illness, the replacement of the lessons will be done in the form of a seminar work after consulting the teacher. Absence in the lessons always be announced to the secretariat Mgr. Hana Danyi. Case report presentation.

Literature :

1.T. Lissauer, G. Clayden: Illustrated Textbook of Pediatrics, published in 1997 by Mosby in England

2. W. Nelson: [Essentials of Pediatrics](#), published in 2001 by Saunders Company in the USA

State exam questions:

1. Juvenile idiopathic arthritis
 - Milestones of childhood (newborn, infant, toddler, preschool age, school age, adolescence)
 - Acute epiglottitis
2. Inflammatory joint diseases
 - Assessment of growth and development in childhood
 - Differential diagnosis of polyuria
3. Malabsorption
 - Developmental milestones of infancy
 - Febrile seizures
4. Idiopathic bowel diseases
 - Term newborn from delivery till discharge: principals of care
 - Henoch-Schönlein purpura
5. Differential diagnosis of seizures
 - Breast feeding and its advantages
 - Acute dyspnea – differential diagnosis
6. Rickets
 - Formula- feeding in infancy
 - Acute laryngitis
7. Anemia in children
 - The high-risk newborn
 - Differential diagnosis of vomiting in children
8. Respiratory tract infections
 - Cystic fibrosis
 - Bleeding disorders in childhood
9. Diseases of the thyroid gland
 - Perinatal and neonatal infections
 - Reye syndrome
10. Exantematous infections
 - Enuresis
 - Kawasaki disease
11. Diseases of white blood cells
 - Screening procedures in pediatrics
 - Hemolytic-uremic syndrome
12. Precocious puberty
 - Diseases of infancy
 - Lyme disease
13. Growth failure
 - Features of toddler-age
 - Abdominal pain in childhood
14. Iron deficiency anemia
 - A general approach to children with chronic diseases
 - Fever of unknown origin
15. Atopy
 - Physiologic puberty
 - Altered consciousness- diff. dg.
16. Inflammatory diseases of CNS
 - Vaccination and its complications
 - Acute diarrhea

17. Malignancies of childhood
 - Drug abuse in children
 - Ileus
18. Diabetes mellitus
 - Preterm newborn
 - Cough
19. Bronchial asthma
 - Aspects of pharmacotherapy in childhood
 - Dehydration
20. End- stage kidney disease
 - Antibiotics in childhood
 - Poisoning
21. Hepatitis in children
 - Importance of family, non- functioning family
 - Osteomyelitis
22. Developmental disorders (cerebral palsy, ADHD)
 - Methemoglobinemia
 - Hyponatremia, hypernatremia
23. Lymfadenopathy
 - Hypertension
 - Burns
24. Hemophilia
 - Congenital hypothyreosis
 - Child abuse and neglect syndrome
25. Autoimmune diseases
 - Acute pankreatitis
 - Trauma in childhood, prevention
26. Mentally impaired child (M. Down)
 - Hyperthyreosis
 - Tetany
27. Obesity
 - Hemorrhagic disease of newborn (vit. K deficiency)
 - Acute renal failure
28. Diseases of liver and bile ducts
 - Hydrocephalus
 - Disseminated intravascular coagulopathy
29. Glomerulonephritis
 - Infectious mononucleosis
 - Icterus- diff. dg.
30. Nutrition and its disorders
 - Helicobacter pylori infection
 - Hematuria – diff.dg.
31. Epilepsy
 - Lyme disease
 - Abdomenalgia- diff. dg.
32. Trombocytopenia
 - Congenital pylorostenosis
 - Clinical and laboratory markers of inflammation
33. Nephrotic syndrome
 - Gastroesophageal reflux
 - Neonatal sepsis
34. Congenital urinary tract abnormalities

- Mental anorexia, bulimia
- Diagnosis and management of sepsis
- 35. Acute lymphoblastic leukemia
 - Congenital heart disease
 - Hypoglycemia- diff. dg.
- 36. Coeliac disease
 - Delayed puberty
 - Urinary tract infections
- 37. Adrenal gland disorders
 - Congenital anomalies of gastrointestinal tract
 - Pneumonia
- 38. Immunodeficiencies
 - Congenital adrenal hyperplasia
 - Headache
- 39. Hypotrophic and preterm newborn
 - Herpetic infections
 - Acute pyelonephritis
- 40. Asphyxia in newborn
 - Streptococcal infections
 - Arrhythmias in children