

AUTUMN SEMESTER
CLASS №1
**ORGANIZATIONAL STRUCTURE OF A CHILDREN'S HOSPITAL.
CHILD DEVELOPMENT PERIODS. PHYSICAL GROWTH AND
BEHAVIORAL DEVELOPMENT. FEEDING OF INFANTS**

CONTROL QUESTIONS

1. Children's hospital. Departments and units. Principles of work.
2. Age related periods/stages of child development and its' characteristics.
3. Taking anamnesis in different age groups of children.
4. Assessment of physical growth (length/height, body weight, head and chest circumferences). Growth charts.
5. Behavioral development. Key developmental milestones (motor development, communication and language).
6. Definitions of «exclusive breast-feeding». Advantages of breastfeeding.
7. Rules of breastfeeding. Ten steps to successful breastfeeding (WHO). «Self-regulation» by infants breast-feeding (breastfeeding on demand).
8. Weaning and complementary feeding. The rules of solid foods introduction.
9. Definition of «formula-feeding». Classification of infant formulas.
10. Menu planning for infants. Composition, amount and schedule.

QUESTIONS FOR CONTROLLED SELF-LEARNING

1. Hypogalactyia. Determining adequacy of milk supply.

REPORTS

1. Contraindications to breastfeeding.
2. Diet for healthy breastfeeding mothers.
3. Sexual development. Primary and secondary sexual characteristics. Sexual maturity rating (Tanner's stages).

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
2. Nelson textbook of pediatrics / A. Nelson [et al.]; ed. by Robert M. Kliegman. – 19 th ed. – Philadelphia, 2011. – 3147 p.

Additional sources

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2. Pediatrics: Manual for students of the Faculty of Foreign Students / N.S. Paramonova, V.A. Zhemoytiak, P.R. Gorbachevsky. – Grodno : GrSMU, 2010. – 264 p.
3. Pediatrics: course of lectures: Manual for the Medical Faculty of Foreign Students [CD-ROM] / Н.А. Максимович [и др.] – Гродно : ГрГМУ, 2015.
4. Paramonova, N.S. Introduction to pediatrics : учеб. пособие : допущ. М-вом образования Респ. Беларусь для студ. учреждений высш. образования по мед. специальностям / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, 2012. – 359 p.

5. Rudolph's pediatrics / ed.-in-chief Colin D. Rudolph, ed. : Abraham M. Rudolph [et al.], 2011. – L.V. – P. 2488.

CLASS №2
PROTEIN-ENERGY MALNUTRITION. OVERWEIGHT

CONTROL QUESTIONS

1. Anatomy and physiology of digestive system in infants and toddlers.
2. Protein, fats and carbohydrates consumption in healthy children.
3. Definition of «malnutrition», «undernutrition», «failure to thrive», «short stature», «overweight», «obesity».
4. Classifications of undernutrition/malnutrition. Acute and chronic malnutrition. Stunting and wasting.
5. Causes of undernutrition (protein-energy malnutrition (PEM)).
6. Clinical manifestations of undernutrition. Main syndromes of undernutrition. Severe PEM (kwashiorkor, marasmus).
7. Diagnosis of PEM. Instrumental and laboratory tests.
8. Management of children with PEM. WHO recommendations (10 essential steps).
9. Stages of dietary therapy for PEM. Enteral and parenteral nutrition.
10. Rehabilitation and follow-up after recovery children with PEM.

QUESTIONS FOR CONTROLLED SELF-LEARNING

1. Overweight and obesity.

REPORTS

1. Celiac disease.
2. Cystic fibrosis. Gastrointestinal manifestations.
3. Lactase intolerance.
4. Pyloric stenosis.

RECOMMENDED LITERATURE

Main sources

3. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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10. Rudolph's pediatrics / ed.-in-chief Colin D. Rudolph, ed. : Abraham M. Rudolph [et al.], 2011. – L.V. – P. 2488.

CLASS №3
**RICKETS. HYPERVITAMINOSIS D. INFANTILE TETANY
(SPASMOPHILIA)**

CONTROL QUESTIONS

1. Anatomy and physiology of the musculoskeletal system in children.
2. Calcium phosphorus and. Metabolism. Biologic function. Recommended intake in healthy children.
3. Definition of «nutritional rickets». Risk factors for nutritional rickets.
4. Vitamin D functions. Role of vitamin D in rickets development.
5. Pathogenesis of rickets. Classification.
6. Clinical signs of rickets.
7. Diagnosis of rickets. Instrumental and laboratory tests. Assessment of vitamin D status.
8. Prevention and treatment of nutritional rickets. Vitamin D toxicity.
9. Infantile tetany (spasmophilia). Definition. Latent form and manifest tetany. Diagnostics. Prevention.

QUESTIONS FOR CONTROLLED SELF-LEARNING

1. Hypervitaminosis D.

REPORTS

1. Congenital hypothyroidism.
2. Rickets-like genetic diseases.

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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5. Rudolph's pediatrics / ed.-in-chief Colin D. Rudolph, ed. : Abraham M. Rudolph [et al.], 2011. – L.V. – P. 2488.

CLASS №4
ANEMIA IN CHILDREN

CONTROL QUESTIONS

1. Complete blood count with white blood cell differential in children. Children's reference ranges. Interpretation.
2. Definition of «anemia». Classification.
3. Iron absorption and metabolism. Stages of iron deficiency. Health effects related to iron deficiency.
4. Iron deficiency anemia in children. Causes. Clinical signs.
5. Iron deficiency anemia in children. Diagnosis. Treatment.
6. Iron deficiency anemia in children. Follow-up and prevention.
7. Differential diagnosis of anemias.

REPORTS

1. Hemolytic anemia.
2. Megaloblastic anaemia. Folic acid and Vitamin B₁₂ deficiency anemia.
3. Aplastic anemia.

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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CLASS №5
BRONCHITIS IN CHILDREN

CONTROL QUESTIONS

1. Anatomy and physiology of the respiratory tract in children.
2. Bronchitis. Definitions and classification. Etiology.
3. Bronchitis. Clinical signs and diagnostic criteria.
4. Bronchitis. Differential diagnosis.
5. Bronchitis. Treatment. Prevention.

QUESTIONS FOR CONTROLLED SELF-LEARNING

1. Chronic lung diseases of genetic origin: cystic fibrosis (pulmonary manifestations), primary ciliary dyskinesia (Kartagener syndrome), α_1 -antitrypsin deficiency, pulmonary hemosiderosis.

REPORTS

1. Laryngitis. Croup.
2. Epiglottitis (supraglottitis).

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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CLASS №6
PNEUMONIA IN CHILDREN

CONTROL QUESTIONS

1. Pneumonia in children. Definition. Classification.
2. Pneumonia in children. Etiology and pathogenesis.
3. Pneumonia in children. Clinical manifestations.
4. Pneumonia. Diagnosis. Approach to treatment.
5. Clinical manifestations of pneumonia depending on the causative organism (Staphylococcus aureus, Mycoplasma pneumoniae and Chlamydomphila pneumoniae, Pneumocystis jirovecii as well viruses).
6. Pneumonia complications. Management.
7. Pneumonia. Follow-up and prevention.

REPORTS

1. Respiratory failure in children.
2. Antibiotics in pediatric practice.

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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5. Rudolph's pediatrics / ed.-in-chief Colin D. Rudolph, ed. : Abraham M. Rudolph [et al.], 2011. – L.V. – P. 2488.

CLASS №7
BRONCHIAL ASTHMA IN CHILDREN

CONTROL QUESTIONS

1. Allergy and allergic diseases. Atopy and atopic march. Definitions.
2. Mechanisms of allergic inflammation.
3. Bronchial asthma. Definition. Risk factors and triggers for asthma.
4. Bronchial asthma. Classification.
5. Bronchial asthma. Age related clinical manifestations.
6. Bronchial asthma. Diagnosis in children.
7. Bronchial asthma. Diagnostic criteria in children up to 5 years old.
8. Principles of asthma pharmacotherapy. Long-term controller and quick-relievers medications.
9. Stepwise (step-up and step-down) approach to long-term management of asthma.
10. Asthma exacerbations and status asthmaticus. Emergency treatment.
11. Follow-up and prevention. Asthma self-management education for patients and their carers. Written asthma action plan.

QUESTIONS FOR CONTROLLED SELF-LEARNING

1. Anaphylaxis.

REPORTS

1. Atopic dermatitis in children.

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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5. Rudolph's pediatrics / ed.-in-chief Colin D. Rudolph, ed. : Abraham M. Rudolph [et al.], 2011. – L.V. – P. 2488.

SPRING SEMESTER
CLASS №1
CONGENITAL HEART DISEASES

CONTROL QUESTIONS

1. The fetal to neonatal circulatory transition. The timing of fetal communications closure (functional and anatomic closure).
2. Age-related features of the cardiovascular system.
3. Etiology of congenital heart diseases.
4. Classification of congenital heart diseases.
5. Congenital heart diseases with the left-to-right shunt lesions (acyanotic):
 - Patent ductus arteriosus (Botallo`s duct)
 - Ventricular septal defect
 - Atrial septal defect
6. Congenital heart diseases with the right-to-left shunt lesions (with cyanosis):
 - Tetralogy of Fallot
7. Congenital heart diseases with the obstructive lesions:
 - Aortic stenosis
 - Coarctation of the aorta
8. Congenital heart diseases. Diagnosis. General principles of treatment. Management.

REPORTS

1. Features of electrocardiography in children of various ages.
2. Emergency care for children with paroxysmal hypercyanotic attack.
3. Transposition of the great vessels.
4. Disturbances of rate and rhythm of the heart.

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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CLASS №2

ACUTE RHEUMATIC FEVER IN CHILDREN. RHEUMATIC HEART DISEASE

CONTROL QUESTIONS

1. Acute rheumatic fever. Definition. Risk factors and etiology. Pathogenesis
2. Acute rheumatic fever. Classification.
3. Acute rheumatic fever. Diagnostic criteria.
4. Rheumatic chorea in children (Sydenham chorea). Definition. Clinical manifestations.
5. Acute rheumatic fever. Treatment.
6. Acute rheumatic fever. Primary and secondary prevention.
7. Rheumatic heart disease. Definition. Clinical manifestations.
8. Patient supervision. Writing a case report.

REPORTS

1. Mitral stenosis and mitral insufficiency.
2. Aortic insufficiency and aortic stenosis.
3. Juvenile rheumatoid arthritis.

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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CLASS №3
HEART FAILURE IN CHILDREN

CONTROL QUESTIONS

1. Heart failure. Definition. Types.
2. Heart failure. Etiopathogenesis.
3. Classifications of pediatric heart failure.
4. Left-sided congestive heart failure. Clinical manifestations. Treatment.
5. Right-sided congestive heart failure. Clinical manifestations. Treatment.
6. Diagnostic approach to heart failure (investigations and laboratory biomarkers).
7. Management of acute and chronic heart failure in children.

REPORTS

1. Nonreumatic myocarditis.
2. Endocardial fibroelastosis.
3. Cardiomyopathy.

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Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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CLASS №4
STOMACH AND DUODENAL DISEASES IN CHILDREN

CONTROL QUESTIONS

1. Age-related features of the digestive system in children.
2. Etiology and pathogenesis of chronic diseases of stomach and duodenum in children.
3. Classification of chronic gastritis.
4. Classification of peptic ulcer disease.
5. Clinical manifestations of gastrointestinal pathology.
6. Diagnosis of gastrointestinal diseases in children.
7. Principles of treatment of chronic diseases of the stomach and duodenum. Follow-up.

REPORTS

1. Differential diagnosis of abdominal pain syndrome in children.
2. Diagnosis of *Helicobacter pylori* infection.
3. Helminthiasis in children (ascariasis, enterobiosis, trichuriasis).

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
2. Nelson textbook of pediatrics / A. Nelson [et al.]; ed. by Robert M. Kliegman. – 19 th ed. – Philadelphia, 2011. – 3147 p.

Additional sources

1. Pediatrics: manual for the students of the Faculty of Foreign Students / T.I. Rovbutis, N.M. Tsikhan, N.A. Maximovich. – Grodno: GrSMU, 2013. – 348 p.
2. Pediatrics: Manual for students of the Faculty of Foreign Students / N.S. Paramonova, V.A. Zhemoytiak, P.R. Gorbachevsky. – Grodno : GrSMU, 2010. – 264 p.
3. Pediatrics: course of lectures: Manual for the Medical Faculty of Foreign Students [CD-ROM] / Н.А. Максимович [и др.] – Гродно : ГрГМУ, 2015.
4. Paramonova, N.S. Introduction to pediatrics : учеб. пособие : допущ. М-вом образования Респ. Беларусь для студ. учреждений высш. образования по мед. специальностям / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, 2012. – 359 p.
5. Rudolph's pediatrics / ed.-in-chief Colin D. Rudolph, ed. : Abraham M. Rudolph [et al.], 2011. – L.V. – P. 2488.

CLASS №5
BILIARY TRACT DISEASES IN CHILDREN

CONTROL QUESTIONS

1. Classification of biliary system diseases.
2. Functional gallbladder disorder (biliary dyskinesia) and sphincter of Oddi dysfunction. Clinical manifestation.
3. Diagnosis of functional biliary disorders in children.
4. Treatment of functional biliary disorders in children.
5. Cholelithiasis in children. Etiopathogenesis. Classification.
6. Clinical manifestation of cholelithiasis.
7. Diagnosis and treatment of cholelithiasis.

REPORTS

1. Cholecystitis in children.
2. Chronic pancreatitis.
3. Choleric agents (promoting bile secretion) and cholagogues (promoting bile discharge).
4. Digestive enzyme supplements and pancreatic enzyme replacement therapy.

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
2. Nelson textbook of pediatrics / A. Nelson [et al.]; ed. by Robert M. Kliegman. – 19 th ed. – Philadelphia, 2011. – 3147 p.

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1. Pediatrics: manual for the students of the Faculty of Foreign Students / Т.І. Rovbut, N.M. Tsikhan, N.A. Maximovich. – Grodno: GrSMU, 2013. – 348 p.
2. Pediatrics: Manual for students of the Faculty of Foreign Students / N.S. Paramonova, V.A. Zhemoityak, P.R. Gorbachevsky. – Grodno : GrSMU, 2010. – 264 p.
3. Pediatrics: course of lectures: Manual for the Medical Faculty of Foreign Students [CD-ROM] / Н.А. Максимович [и др.] – Гродно : ГрГМУ, 2015.
4. Paramonova, N.S. Introduction to pediatrics : учеб. пособие : допущ. М-вом образования Респ. Беларусь для студ. учреждений высш. образования по мед. специальностям / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, 2012. – 359 p.
5. Rudolph's pediatrics / ed.-in-chief Colin D. Rudolph, ed. : Abraham M. Rudolph [et al.], 2011. – L.V. – P. 2488.

CLASS №6
URINARY TRACT INFECTION IN CHILDREN

CONTROL QUESTIONS

1. Age-related features of the kidneys and urinary tract in children.
2. Urinary tract infections. Definition.
3. Pyelonephritis. Etiology. Pathogenesis.
4. Pyelonephritis. Classification.
5. Pyelonephritis. Clinical manifestations in infants and toddlers.
6. Pyelonephritis. Clinical manifestations in older children.
7. Pyelonephritis. Diagnostic criteria and diagnosis of pyelonephritis.
8. Pyelonephritis. Treatment. Rehabilitation.

REPORTS

1. Kidney function test.
2. Cystitis.
3. Oxalate nephropathy.
1. Interstitial nephritis.

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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1. Pediatrics: manual for the students of the Faculty of Foreign Students / T.I. Rovbuts, N.M. Tsikhan, N.A. Maximovich. – Grodno: GrSMU, 2013. – 348 p.
2. Pediatrics: Manual for students of the Faculty of Foreign Students / N.S. Paramonova, V.A. Zhemoytiak, P.R. Gorbachevsky. – Grodno : GrSMU, 2010. – 264 p.
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4. Paramonova, N.S. Introduction to pediatrics : учеб. пособие : допущ. М-вом образования Респ. Беларусь для студ. учреждений высш. образования по мед. специальностям / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, 2012. – 359 p.
5. Rudolph's pediatrics / ed.-in-chief Colin D. Rudolph, ed. : Abraham M. Rudolph [et al.], 2011. – L. V. – P. 2488.

CLASS №7
GLOMERULONEPHRITIS IN CHILDREN

CONTROL QUESTIONS

1. Glomerulonephritis. Definition. Clinical classification.
2. Acute poststreptococcal glomerulonephritis. Etiology. Pathogenesis. Clinical manifestations.
3. Acute poststreptococcal glomerulonephritis. Diagnostics. Differential diagnosis. Treatment.
4. Chronic glomerulonephritis. Definition. Morphological/histologic types.
5. Nephrotic syndrome. Definition. Primary and secondary nephrotic syndrome.
6. Minimal change nephrotic syndrome in children. Clinical manifestations. Diagnostics. Differential diagnosis. Treatment.
7. Chronic glomerulonephritis with nephritic syndrome (with hematuria). Differential diagnosis.
8. Chronic glomerulonephritis. Approach to treatment.

REPORTS

1. Rapidly progressive (crescentic) glomerulonephritis.
2. Congenital nephrotic syndrome.

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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CLASS №8

ACUTE RENAL INJURY AND CHRONIC KIDNEY DISEASE

CONTROL QUESTIONS

1. Acute kidney injury / acute renal failure in children. Definition. Types. Causes.
2. Acute kidney injury in children. Classifications (p-RIFLE).
3. Acute kidney injury in children. Clinical features. Laboratory biomarkers.
4. Management of acute kidney injury in children. Prognosis.
5. Chronic kidney disease in children. Definition. Etiology. Classification.
6. Chronic kidney disease in children. Clinical features of CKD. Diagnosis.
7. Chronic kidney disease in children. Treatment.
8. Practical skills training.

REPORTS

1. Renal replacement therapy.
2. Hemolytic-uremic syndrome.

RECOMMENDED LITERATURE

Main sources

1. Парамонова, Н.С. Педиатрия = Pediatrics : учебник для студентов факультета иностранных учащихся с английским языком обучения : допущено М-вом образования Респ. Беларусь / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, Т.С. Протасевич. – Минск : Новое знание, 2021. – 599 с.
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4. Paramonova, N.S. Introduction to pediatrics : учеб. пособие : допущ. М-вом образования Респ. Беларусь для студ. учреждений высш. образования по мед. специальностям / Н.С. Парамонова, В.А. Жемойтяк, П.Р. Горбачевский, 2012. – 359 p.
5. Rudolph's pediatrics / ed.-in-chief Colin D. Rudolph, ed. : Abraham M. Rudolph [et al.], 2011. – L.V. – P. 2488.

PRACTICAL SKILLS IN PADIATRICS

LIST OF PRACTICAL SKILLS

1. Umbilical cord clamping.
2. Newborn medical care after delivery (tests, care, medications).
3. Bathing and swaddling of a newborn.
4. Drug instillation in the eyes, nose and ears.
5. Oral and dental hygiene.
6. Pulse palpation.
7. Auscultation of the heart, lungs and bowel.
8. The face mask (bag-valve mask) mechanical ventilation.
9. Nasogastric tube insertion.
10. Feeding through nasogastric tube and gastric lavage.
11. Enema procedures.
12. Intravenous injections.
13. Catheterization of the urethra/urinary bladder.

RECOMMENDED LITERATURE

Main sources

1. Основные практические навыки в педиатрии: учебно-метод. пособие для студентов / Н.А. Максимович [и др.]; под общ. ред. Н.А. Максимовича. – Гродно: ГрГМУ, 2014 – 112 с.