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| Ministry of science and high education RF<br>Ulyanovsk state university | Form |  |
| F- Discipline working program   |      |   |



APPROVED  
by the decision of the Academic Council of the USU Institute of Medicine  
Ecology and Physical Culture  
from "12" May 2021, protocol No. 9/229  
Chair Midlenko V.I.  
*signature, decryption of signature*  
"12" May 2021

## Discipline working program

|                |            |
|----------------|------------|
| Discipline     | Pediatrics |
| Faculty        | Medical    |
| The department | Pediatrics |
| Course         | IV         |

Direction (specialty) 31.05.01 General medicine \_\_\_\_\_

Orientation (profile / specialization) -

Form of study full-time

Date of introduction to the educational process of ULSU: "01" September 2021


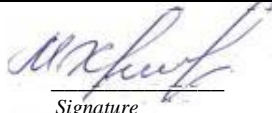
The program is updated at the meeting of the department: protocol № 1 of 31.08. 2022


The program is updated at the meeting of the department: protocol № 1 of 30.08. 2023

The program is updated at the meeting of the department: protocol № 1 of 28.08. 2024




Developer Information:


| Full name      | The department | Position,<br>academic degree |
|----------------|----------------|------------------------------|
| Prutskova E.V. | Pediatrics     | Assitant                     |

| AGREED  | AGREED  |
|---|---|
| Head of Department of pediatrics, developing<br>discipline  | Head of graduating Department of hospital ther-<br>apy  |
|  / Solovyova I. L. ___ /<br><i>Signature</i> <span style="float: right;"><i>Name</i></span><br>12 May 2021 |  /Vize-Hripunova M.A. ___ /<br><i>Signature</i> <span style="float: right;"><i>Name</i></span><br>12 May 2021 |

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**CHANGES LIST**  
to the work program of the discipline "Pediatrics"  
specialty 31.05.01 "General Medicine"

| <b>№</b> | <b>Content of the change or link to the attached text of the change</b>  | <b>Full name of the head of the department implementing the discipline</b> | <b>Signature</b>  | <b>Date</b> |
|----------|--|--|---|-------------|
| 1.       | Making changes to p.p. c) Professional databases, information and reference systems p. 11 "Educational, methodological and information support of the discipline" with the execution of Attachment 1 | Soloveva I.L.  |    | 31.08.2022  |
| 2.       | Making changes to p.p. c) Professional databases, information and reference systems p. 11 "Educational, methodological and information support of the discipline" with the execution of Attachment 2 | Soloveva I.L.  |  | 30.08.2023  |
| 3.       | Making changes to p.p. c) Professional databases, information and reference systems p. 11 "Educational, methodological and information support of the discipline" with the execution of Attachment 3 | Soloveva I.L.  |  | 28.08.2024  |

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## Attachment 1

### *Профессиональные базы данных, информационно-справочные системы*

#### **1. Электронно-библиотечные системы:**

1.1. Цифровой образовательный ресурс IPRsmart : электронно-библиотечная система : сайт / ООО Компания «Ай Пи Ар Медиа». - Саратов, [2022]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. Образовательная платформа ЮРАЙТ : образовательный ресурс, электронная библиотека : сайт / ООО Электронное издательство ЮРАЙТ. – Москва, [2022]. - URL: <https://urait.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. База данных «Электронная библиотека технического ВУЗа (ЭБС «Консультант студента») : электронно-библиотечная система : сайт / ООО Политехресурс. – Москва, [2022]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Консультант врача. Электронная медицинская библиотека : база данных : сайт / ООО Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг. – Москва, [2022]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО Букап. – Томск, [2022]. – URL: <https://www.books-up.ru/ru/library/>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. ЭБС Лань : электронно-библиотечная система : сайт / ООО ЭБС Лань. – Санкт-Петербург, [2022]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. ЭБС Znanium.com : электронно-библиотечная система : сайт / ООО Знаниум. - Москва, [2022]. - URL: <http://znanium.com>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.8. Clinical Collection : научно-информационная база данных EBSCO // EBSCOhost : [портал]. – URL: <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102>. – Режим доступа: для авториз. пользователей. – Текст : электронный.

1.9. База данных «Русский как иностранный» : электронно-образовательный ресурс для иностранных студентов : сайт / ООО Компания «Ай Пи Ар Медиа». – Саратов, [2022]. – URL: <https://ros-edu.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

**2. КонсультантПлюс** [Электронный ресурс]: справочная правовая система. /ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2022].

#### **3. Базы данных периодических изданий:**

3.1. База данных периодических изданий EastView : электронные журналы / ООО ИВИС. - Москва, [2022]. – URL: <https://dlib.eastview.com/browse/udb/12>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

3.2. eLIBRARY.RU: научная электронная библиотека : сайт / ООО Научная Электронная Библиотека. – Москва, [2022]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

3.3. Электронная библиотека «Издательского дома «Гребенников» (Grebinnikon) : электронная библиотека / ООО ИД Гребенников. – Москва, [2022]. – URL: <https://id2.action-media.ru/Personal/Products>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

**4. Федеральная государственная информационная система «Национальная электронная библиотека»** : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2022]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

**5. SMART Imagebase** : научно-информационная база данных EBSCO // EBSCOhost : [портал]. – URL: <https://ebsco.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741>. – Режим доступа : для авториз. пользователей. – Изображение : электронные.

#### **6. Федеральные информационно-образовательные порталы:**

6.1. Единое окно доступа к образовательным ресурсам : федеральный портал . – URL: <http://window.edu.ru/>. – Текст : электронный.

6.2. Российское образование : федеральный портал / учредитель ФГАУ «ФИЦТО». – URL: <http://www.edu.ru>. – Текст : электронный.


#### **7. Образовательные ресурсы УлГУ:**

7.1. Электронная библиотечная система УлГУ : модуль «Электронная библиотека» АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

Согласовано:

*Зам. нач. УИТБ*      *Ключикова МВ*      *[Подпись]*  
 Должность сотрудника УИТБ      ФИО      Подпись      дата



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Attachment 2

*Профессиональные базы данных, информационно-справочные системы*

**1. Электронно-библиотечные системы:**

1.1. Цифровой образовательный ресурс IPRsmart : электронно-библиотечная система : сайт / ООО Компания «Ай Пи Ар Медиа». - Саратов, [2023]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. Образовательная платформа ЮРАЙТ : образовательный ресурс, электронная библиотека : сайт / ООО Электронное издательство «ЮРАЙТ». – Москва, [2023]. - URL: <https://urait.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. База данных «Электронная библиотека технического ВУЗа (ЭБС «Консультант студента») : электронно-библиотечная система : сайт / ООО «Политехресурс». – Москва, [2023]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Консультант врача. Электронная медицинская библиотека : база данных : сайт / ООО «Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг». – Москва, [2023]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО «Букап». – Томск, [2023]. – URL: <https://www.books-up.ru/ru/library/>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. ЭБС Лань : электронно-библиотечная система : сайт / ООО ЭБС «Лань». – Санкт-Петербург, [2023]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. ЭБС Znanium.com : электронно-библиотечная система : сайт / ООО «Знаниум». - Москва, [2023]. - URL: <http://znanium.com>. – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.

**2. КонсультантПлюс** [Электронный ресурс]: справочная правовая система. / ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2023].

**3. Базы данных периодических изданий:**

3.1. eLIBRARY.RU: научная электронная библиотека : сайт / ООО «Научная Электронная Библиотека». – Москва, [2023]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

3.2. Электронная библиотека «Издательского дома «Гребенников» (Grebinnikon) : электронная библиотека / ООО ИД «Гребенников». – Москва, [2023]. – URL: <https://id2.action-media.ru/Personal/Products>. – Режим доступа : для авториз. пользователей. – Текст : электронный.


**4. Федеральная государственная информационная система «Национальная электронная библиотека»** : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2023]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

**5. Российское образование** : федеральный портал / учредитель ФГАУ «ФИЦТО». – URL: <http://www.edu.ru>. – Текст : электронный.

**6. Электронная библиотечная система УлГУ** : модуль «Электронная библиотека» АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

Согласовано:

*Каталинин Ирина Владимировна* *И.П.*  
 Должность сотрудника УФИТ ФИО подпись дата

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## Attachment 3

### *Профессиональные базы данных, информационно-справочные системы*

#### **1. Электронно-библиотечные системы:**

1.1. Цифровой образовательный ресурс IPRsmart : электронно-библиотечная система : сайт / ООО Компания «Ай Пи Ар Медиа». - Саратов, [2024]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. Образовательная платформа ЮРАЙТ : образовательный ресурс, электронная библиотека : сайт / ООО Электронное издательство «ЮРАЙТ». – Москва, [2024]. - URL: <https://urait.ru> . – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. База данных «Электронная библиотека технического ВУЗа (ЭБС «Консультант студента») : электронно-библиотечная система : сайт / ООО «Политехресурс». – Москва, [2024]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Консультант врача. Электронная медицинская библиотека : база данных : сайт / ООО «Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг». – Москва, [2024]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО «Букап». – Томск, [2024]. – URL: <https://www.books-up.ru/ru/library/> . – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. ЭБС Лань : электронно-библиотечная система : сайт / ООО ЭБС «Лань». – Санкт-Петербург, [2024]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. ЭБС Znanium.com : электронно-библиотечная система : сайт / ООО «Знаниум». - Москва, [2024]. - URL: <http://znanium.com> . – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.

**2. КонсультантПлюс** [Электронный ресурс]: справочная правовая система. / ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2024].

**3. eLIBRARY.RU**: научная электронная библиотека : сайт / ООО «Научная Электронная Библиотека». – Москва, [2024]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

**4. Федеральная государственная информационная система «Национальная электронная библиотека»** : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2024]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

**5. Российское образование** : федеральный портал / учредитель ФГАУ «ФИЦТО». – URL: <http://www.edu.ru>. – Текст : электронный.


**6. Электронная библиотечная система УлГУ** : модуль «Электронная библиотека» АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

Инженер ведущий



Щуренко Ю.В.

2024

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| F- Discipline working program   |      |   |

## 1. GOALS AND OBJECTIVES OF DEVELOPMENT OF DISCIPLINE::

The objectives of mastering the discipline:

1. the formation of ideas about the course of pathological processes associated with age-related anatomical and physiological changes in different periods of childhood;
2. training of a doctor focused on issues of somatic and infectious pathology in children;
3. acquisition of skills for diagnosis, treatment, preventive and anti-epidemic measures in children of different ages and with various somatic and infectious diseases.

Discipline Tasks

1. to teach students to communicate with a healthy and sick child and his parents and comply with deontological norms and principles;
2. the formation of an understanding of the basic anatomical and physiological characteristics of the child's body at different age periods in connection with pathology;
3. the formation of students' ideas about the features of the course of somatic and infectious diseases in children;
4. training in effective methods for the diagnosis and treatment of diseases in children;
5. the formation in students of the necessary practical skills necessary in the professional activities of a pediatrician, general practitioner.

## 2. PLACE OF DISCIPLINE IN THE STRUCTURE OF BPEP:

2.1 Discipline refers to study section B1. B. 31 "Professional cycle", the basic part.

The teaching of the discipline is partly in English (lectures in English, practical classes in Russian).

To study the discipline, knowledge, skills and abilities formed by previous disciplines / practices that determine readiness for further training are necessary. This knowledge is logically and substantively methodically formed on the basis of the study of previous disciplines:

- Bioethics

Knowledge: moral and legal norms accepted in society, principles of deontology

Skills: to implement the ethical and deontological aspects of medical activity in communication with colleagues, nursing staff, children and adolescents, their parents and relatives

- Biochemistry

Knowledge: the main biochemical processes in the human body are normal and with pathology

Skills: interpret the results of biochemical analyzes of biological media

- Histology, embryology, cytology

Knowledge: the basic laws of the development of tissues, organs and systems of the human body are normal, critical periods of their laying, possible developmental disorders

- Microbiology, virology

Knowledge: obligate microflora of the person, the main causative agents of infectious diseases

Skills: interpret the results of bacteriological, virological and serological studies of human biological environments

- Immunology

Knowledge: the basic laws of the immune response in normal and pathological conditions

Skills: interpret the results of studies of the human immune status


- Pharmacology

Knowledge: drugs of the main pharmacological groups, their pharmacodynamics and pharmacokinetics in the conditions of the main pathological conditions, undesirable drug reactions

Skills: prescribe drugs for major human diseases

Skills: calculating the dose of essential drugs for pathology in children of different ages



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- Pathological anatomy, clinical pathological anatomy

Knowledge: features of pathomorphology in major human diseases, age-related features in children

Skills: interpret the results of pathomorphological studies

- Pathophysiology, clinical pathophysiology

Knowledge: the basic laws of human pathology, the pathogenesis of the main groups of diseases

Skills: to analyze the patterns of functioning of various organs and systems in various diseases and pathological processes

- Hygiene

Knowledge: knowledge of basic hygiene standards

Skills: to interpret the results of studies of environmental factors, their impact on the body of a healthy person and in pathology

Skills: assessment of the adverse effects of environmental factors on the child's body, their impact on the course of the pathological process, development of measures to prevent them, assessing the adequacy of the diet, its provision with basic nutrients

- Public health and healthcare, healthcare economics

Knowledge: the basics of the organization of the health care system, the main parameters of the effectiveness of the health care facilities, demographic indicators and methods for their calculation

Skills: assess the dynamics of demographic indicators, evaluate the performance of health facilities

Skills: working with medical documentation, its proper execution, statistical processing of medical data, examination of temporary disability

-Dermatovenerology

Knowledge: etiology, pathogenesis and features of the clinical picture in diseases of the skin and its appendages

Skills: to interpret objective data and the results of instrumental and laboratory studies in diseases of the skin and its appendages

Skills: examination of children with diseases of the skin and its appendages, the appointment of treatment

- Neurology, medical genetics

Knowledge: etiology, pathogenesis and features of the clinical picture in the pathology of the nervous system and hereditary diseases

Skills: to interpret objective data and the results of instrumental and laboratory studies in the pathology of the nervous system and hereditary diseases

Skills: examination of children with pathology of the nervous system and hereditary diseases, prescribing treatment

- Otorhinolaryngology

Knowledge: etiology, pathogenesis and features of the clinical picture in diseases of ENT organs


Skills: to interpret the data of objective and laboratory-instrumental studies of children with pathology of ENT organs

Skills: examination of children with pathology of ENT organs and prescribing therapy

- Faculty therapy, occupational diseases

Knowledge: etiology, pathogenesis, clinical picture, course features and possible complications of the most common diseases and occupational pathologies in adults occurring in a typical form, modern methods for their diagnosis and treatment

Skills: interpretation of data from objective and laboratory-instrumental examinations of adult patients with the most common diseases and professional pathology

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Skills: prescribing an examination plan, differential diagnosis and treatment for the most common diseases and occupational pathology in adult patients  
obstetrics and gynecology

Knowledge: diagnostics and management of physiological and pathological pregnancy, diagnostics and treatment of its complications, benefits during obstetric care, indications for surgical delivery, peculiarities of the course and pathology of the postpartum period in women; etiology, pathogenesis, clinical presentation, course features and possible complications of the most common gynecological pathology in women and girls

Skills: assessment of the condition of the fetus and newborn, interpretation of prenatal diagnosis data; interpretation of objective and laboratory-instrumental examination data for major gynecological diseases in girls

Skills: pre- and intrapartum diagnostics of the pathology of the fetus and newborn baby; the appointment of a survey plan, differential diagnosis and treatment for major gynecological diseases in girls

The basics of children's health

Knowledge: the basic laws of growth and development of the child, age characteristics

Skills: assessment of the physical and neuropsychic development of children of different ages

Skills: examining a healthy child

Propaedeutics of childhood diseases

Knowledge: the main symptoms and syndromes for major diseases in children

Skills: interpretation of objective examination data in children

Skills: objective examination (palpation of percussion, auscultation) in children

## **2.2. The study of the discipline is necessary for knowledge, skills formed by subsequent disciplines / practices:**

- Clinical Pharmacology

Knowledge: drugs of the main pharmacological groups, their pharmacodynamics and pharmacokinetics in the conditions of the main pathological conditions, undesirable drug reactions and drug interactions

Skills: prescribe drugs for major human diseases

Skills: calculating the dose of essential drugs for pathology in children of different ages, the appointment of complex drug therapy

- Phthisiology

Knowledge: epidemiology, pathogenesis, features of the clinical picture, methods of diagnosis and treatment of the main forms of tuberculosis of various localization in adults and children

Skills: interpretation of objective and laboratory-instrumental examination data for tuberculosis in adults and children

Skills: designation of an examination plan, differential diagnosis, drug and surgical treatment, primary and secondary prevention of tuberculosis in adults and children

- Dentistry

Knowledge: etiology, pathogenesis and features of the clinical picture in diseases of the oral cavity

Skills: to interpret the data of objective and laboratory-instrumental studies of children with pathology of the oral cavity


Skills: examination of children with oral pathology and prescribing therapy

- Oncology, radiation therapy

Knowledge: epidemiology, pathogenesis, clinical features, diagnostic methods and modern protocols for the treatment of major cancer diseases in adults and children

Skills: interpretation of objective and laboratory-instrumental examination data for major oncological diseases in adults and children



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Skills: designation of an examination plan, differential diagnosis, chemotherapy, radiation therapy and surgical treatment for major cancer diseases in adults and children

- Children's surgery

Knowledge: etiology, pathogenesis, clinical presentation, course features and possible complications of the most common surgical pathologies in children, modern methods for their diagnosis and treatment, indications for surgical treatment

Skills: interpretation of objective and laboratory-instrumental examination data for surgical pathology in children

Skills: appointment of a plan of examination, differential diagnosis and treatment of children with surgical pathology, their management in the pre- and postoperative period

- Outpatient and emergency pediatrics

Knowledge: the principles of preventive medicine, the organization of medical care at the outpatient stage, the follow-up and prevention of underlying diseases in children, etiology, pathogenesis, clinical features and diagnosis of emergency conditions in children, the principles of first aid and emergency treatment in children at the prehospital stage

Skills: organization of monitoring and conducting preventive measures in healthy and sick people at the site, in organized groups, interpretation of objective and laboratory-instrumental examination data for acute and exacerbation of chronic diseases in children at the prehospital stage, diagnosis and treatment of emergency conditions in children

Skills: working with medical documentation in outpatient hospitals, dispensary monitoring of healthy and sick children, conducting sanitary and anti-epidemic and preventive measures in children's groups, vaccine prophylaxis, first aid in emergency situations in children, assigning an examination plan, differential diagnosis, treatment of acute and exacerbation of chronic diseases in children at the prehospital stage

- Medical rehabilitation

Knowledge: the basics of sanogenesis and rehabilitation for various diseases and pathological conditions

Skills: developing rehabilitation programs for the pathology of various organs and systems, evaluating their effectiveness

Skills: the appointment of rehabilitation programs for various diseases in children of different ages.

- Psychiatry, medical psychology 5 year

Knowledge: etiology, pathogenesis and features of the clinical picture of mental illnesses, behavioral characteristics of children of different age groups

Skills: assessment of a child's cognitive function, his mental health, analysis of interpersonal (including parent-child) relationships

Skills: examination of children with mental illness and borderline mental disorders, prescribing treatment, psychological counseling

- Ophthalmology 5 course


Knowledge: etiology, pathogenesis and features of the clinical picture in the pathology of organs of vision

Skills: to interpret the data of objective and laboratory-instrumental studies of children with pathology of the organs of vision

Skills: examination of children and prescribing therapy for them with pathology of the organs of vision

- Propaedeutics of internal diseases, radiation diagnostics

Knowledge: the main symptoms and syndromes in the main diseases of adult patients, the basic methods of radiation diagnostics, the rules for the preparation and conduct of radiation diagnostic methods, signs of norm and pathology with different methods of radiation diagnosis

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Skills: interpretation of data from an objective examination of adult patients and the results of radiation diagnostic methods

Skills: objective examination (palpation of percussion, auscultation) of adult patients, the appointment of radiation diagnostic methods, preparation for them

- Hospital therapy

Knowledge: etiology, pathogenesis, clinical picture, features of the course and possible complications of the main groups of diseases in adults, features of the course of combined pathology, diagnosis and combination therapy

Skills: interpretation of data from objective and laboratory-instrumental examination of adult patients with combined pathology

Skills: designation of an examination plan, differential diagnosis and treatment for combined pathology in adult patients

- Infectious diseases


Knowledge: epidemiology, etiology, pathogenesis, clinical presentation, diagnostic methods and treatment of major infectious and parasitic diseases in adult patients

Skills: interpretation of data from objective and laboratory-instrumental examination of adult patients with major infectious diseases

Skills: designation of an examination plan, differential diagnosis, treatment of primary and secondary prevention of major infectious diseases in adult patients

### 3. LIST OF PLANNED RESULTS OF TRAINING IN THE DISCIPLINE (MODULE) RELATED TO THE PLANNED RESULTS OF THE DEVELOPMENT OF THE BASIC VOCATIONAL EDUCATIONAL PROGRAM

| Code and name of competency | The list of planned learning outcomes by discipline (module), correlated with indicators of achievement of competencies   |
|-----------------------------|---|
| ОПК - 11                    | <p>Know: maintaining a standard accounting and reporting medical documentation in medical organizations; the basics of the technique of translating a scientific text in a specialty, the basics of annotating and abstracting a scientific text; the main types of special dictionary and reference literature and the rules for working with it; science concept; classification of sciences; scientific research and its stages; methodological foundations of scientific knowledge, modern classification of diseases.</p> <p>Be able to: use databases for storing and using information in healthcare; use computer programs to solve problems of mathematical statistics in professional activities; interpret and use the data of the main instrumental examination methods (ECG, ultrasound, X-ray, ECHO KS, FVD, FGDS, etc.), independently take an ECG; correctly draw up the documentation.</p> <ul style="list-style-type: none"> <li>• Possess: the basics of working on a personal computer, the ability to maintain medical records.</li> </ul> |
| ПК-2                        | <p>Know: diagnostic methods, diagnostic capabilities of methods of direct research of a pediatric patient; modern methods of clinical, laboratory, instrumental examination of patients (including endoscopic, radiological methods, ultrasound diagnostics).</p> <p>Be able to: determine the patient's status: collect anamnesis, inter-</p>  |

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|        | <p>view the patient and / or his relatives, conduct a physical examination of the patient (examination, palpation, auscultation); to conduct a primary examination of systems and organs: respiratory, cardiovascular, blood and blood-forming organs, digestive, endocrine and urinary excretory; to outline the volume of additional studies in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result.</p> <p>Possess: methods of general clinical objective examination (questioning, examination, palpation, percussion, auscultation) for diseases of internal organs; interpretation of the results of laboratory, instrumental diagnostic methods for pathology of internal organs.</p>  |
| ПК - 3 | <p>Know: the criteria for the diagnosis of the most common diseases of internal organs. Features of the organization and scope of work of an outpatient-polyclinic doctor, modern diagnostic capabilities of a poly-clinical service, methods of emergency measures, indications for planned hospitalization; features of the treatment of diseases of internal organs in outpatient settings, incl. day hospital conditions.</p> <p>Be able to: formulate indications for the chosen method of treatment, taking into account etiotropic and pathogenetic agents; to develop an algorithm for the management of a pediatric patient in a polyclinic.</p> <p>Own: an algorithm for determining the tactics of managing a patient with pediatric pathology, conducting a differential diagnosis in pathology. systems of children and adolescents;</p> |


#### 4. TOTAL DIFFICULTY OF DISCIPLINE

##### 4.1. The volume of discipline in credit units (total) 9

##### 4.2. The volume of discipline by type of educational work (in hours) 324

*For each form of training: full-time*

| Type of study   | Number of hours (form of study ___ full-time ___) |                     |                |  |
|---|---|---------------------|----------------|--|
|   | Total by plan                                     | including semesters |                |  |
|   |   | Semester No. 7      | Semester No. 7 |  |
| 1   | 2   | 3                   | 4              |  |
| Contact work of students with the teacher in accordance with the curriculum | 174   | 72                  | 102            |  |
| Auditory lessons:   | Аудиторные занятия:                               |                     |                |  |
| lectures  | 46  | 10                  | 36             |  |

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| Seminars and workshops   | 128              | 62                                | 66                                |  |
| laboratory works, workshops  | -                | -                                 | -                                 |  |
| Independent work   | 78               | 36                                | 42                                |  |
| The form of current knowledge control and control independent work: testing, counter. work, colloquium, abstract, etc. (not less than 2 types) |                  | Опрос, тестовый контроль, реферат | Опрос, тестовый контроль, реферат |  |
| Course work  | Не предусмотрена | Не предусмотрена                  | Не предусмотрена                  |  |
| Types of intermediate certification (exam, test)   | 36               | зачет                             | экзамен                           |  |
| Total hours for discipline   | 288              | 108                               | 180                               |  |


#### 4.3. The content of the discipline (module.) Distribution of hours by topics and types of academic work:

For each form of training: full-time / part-time / part-time, a separate table is filled out.


Full-time form of education

| Title and sections and topics   | Total | Types of Training    |                             |                            |                         | The form of technical control of knowledge |                          |
|---|-------|----------------------|-----------------------------|----------------------------|-------------------------|--|--------------------------|
|   |       | Classroom activities |                             |                            | Online Classes lectures |  | Independent work         |
|   |       | lectures             | Practical classes, seminars | Laboratory work, workshops |                         |  |                          |
| 1   | 2     | 3                    | 4                           | 5                          | 6                       | 7  | 8                        |
| <b>Part 1. Propaedeutics of childhood diseases.</b>   |       |                      |                             |                            |                         |  |                          |
| 1. The periods of childhood. Physical and mental development of children. The laws of increasing mass and body length, other parameters. Age features, semiotics of violations. Assessment of neuropsychic development. | 8     | 2                    | 6                           |                            |                         | -  | Опрос, тестовый контроль |
| 2. Anatomical and physiological features respiratory and circulatory organs. Inspection Technique. Functional products. Semiotics of the main le-   | 14    | 2                    | 6                           |                            |                         | 6  | Опрос, тестовый кон-     |




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| sions.  |    |   |   |  |   |   | трол<br>ь,<br>ре-<br>фе-<br>рат  |
| 3. Features of blood formation in children. Peripheral blood counts depending on age. Assessment of blood tests. Semiotics of the main lesions. Inspection Technique.   | 8  | 2 | 6 |  |   | - | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь                       |
| 4. Anatomical and physiological features of the digestive and urinary organs. Inspection Technique. Semiotics of the main lesions. Assessment of urine tests, coprograms, second-hand analyzes.                             | 8  | 2 | 6 |  |   | - | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь                       |
| 5. Feeding: natural, mixed, artificial. The advantage of natural feeding. Hypogalactia: preventive measures, stimulation of lactation. Characteristics of milk mixtures. Features of feeding premature infants.             | 8  | 2 | 6 |  |   | - | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь                       |
| 4. General examination of a healthy and sick child. Anatomical and physiological features and methods of skin research. S / c fatty tissue, l / nodes, musculoskeletal system. Semiotics of violations.                     | 8  | 2 | 6 |  |   | - | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь                       |
| <b>Part 2. Neonatology</b>  |    |   |   |  |   |   |  |
| 1. Problems of neonatology. Infant mortality and ways to reduce it: solving the problem of miscarriage, family planning program, improving perinatal diagnosis. Premature baby. The structure of the incidence of newborns. | 8  | 2 | - |  |   | 6 | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь,<br>ре-<br>фе-<br>рат |
| 2. Newborn baby: physiology, signs of full-term. Apgar scale. Newborn care technique. Prematurity. Causes of miscarriage, clinical signs, especially care. Organization of departments of newborns and premature babies.    | 16 | 2 | 6 |  | 2 | 6 | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь,<br>ре-<br>фе-<br>рат |
| 3. Intrauterine infections CMV, herpes, chlamydia, toxoplasmosis. bacterial sepsis  | 6  |   | 0 |  |   | 6 | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол                            |

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|   |    |   |   |  |   |   | ь,<br>ре-<br>фе-<br>рат  |
| 4. Hemolytic disease of the newborn. Definition, causes and predisposing factors. Pathogenesis, clinic, diagnosis and treatment. Sepsis of the newborn.   | 10 | 2 | 6 |  | 2 | - | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь                       |
| 5. Pathology of the neonatal period. Perinatal damage to the central nervous system of hypoxic-traumatic origin (brain and spinal cord).  | 6  |   | - |  |   | 6 | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь,<br>ре-<br>фе-<br>рат |
| <b>Part 3. Diseases of young children.</b>  |    |   |   |  |   |   |  |
| 1. Rickets. Clinical and laboratory changes. Diagnostics. Difdiagnosis with tubulopathies and rickets-like diseases. The concept of hypervitaminosis "D". Drawing up a treatment and prevention plan. | 10 | 2 | 6 |  | 2 |   | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь                       |
| 2. Iron deficiency anemia. Clinic, hematological diagnostics. Differential diagnosis with other types of anemia. Treatment, prevention.   | 10 | 2 | 6 |  | 2 | - | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь                       |
| 3. Chronic eating disorders: pre- and postnatal dystrophies of I - II - III degrees.  | 2  | 2 | - |  |   | - | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь                       |
| 4. Congenital heart defects. Clinic, diagnosis, treatment. Acute and chronic cardiovascular failure. Etiology, pathogenesis, clinic, treatment program  | 10 | 2 | 6 |  | 2 | - | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь                       |
| <b>Part 4. Diseases of older children.</b>  |    |   |   |  |   |   |  |
| 1. Acute pneumonia. Clinic, diagnosis, differential diagnosis and treatment. Acute respiratory failure. Urgent Care.  | 10 | 2 | 6 |  | 2 | - | Опро<br>с, те-<br>сто-<br>вый<br>кон-<br>трол<br>ь                       |
| 2. Bronchial asthma and chronic bronchopulmonary diseases.  | 15 | 2 | 6 |  | 1 | 6 | Опро<br>с, те-   |


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| Etiology, pathogenesis. Clinical features. Diagnostics. Differential diagnosis, treatment, prevention. Asthmatic status. Emergency help with an attack of bronchial asthma, asthmatic status.  |    |   |   |  |   |   | сто-<br>вый<br>кон-<br>троль,<br>ре-<br>фе-<br>рат                    |
| 3. Bronchitis in children of various ages. Acute simple and obstructive bronchitis, diagnosis, therapeutic tactics.  | 8  | 2 | - |  |   | 6 | Опро-<br>с, те-<br>сто-<br>вый<br>кон-<br>троль,<br>ре-<br>фе-<br>рат |
| 4. Acute rheumatic fever. Etiopathogenesis. Clinic. Diagnostic criteria. Stages of treatment. Primary and secondary prophylaxis. Dispensary observation.   | 4  | - | 4 |  |   | - | Опро-<br>с, те-<br>сто-<br>вый<br>кон-<br>троль                       |
| 5 .. Leukemia. Classification. Etiopathogenesis. Clinical "masks", examination methods. Treatment. Forecast.   | 8  | 2 |   |  |   | 6 | Опро-<br>с, те-<br>сто-<br>вый<br>кон-<br>троль,<br>ре-<br>фе-<br>рат |
| 6. Hemorrhagic diathesis. Classification. Clinic. Diagnostics. Differential diagnosis. Treatment, prevention.  | 15 | 2 | 6 |  | 1 | 6 | Опро-<br>с, те-<br>сто-<br>вый<br>кон-<br>троль,<br>ре-<br>фе-<br>рат |
| 7. Diseases of the urinary system. Acute and chronic glomerulonephritis and pyelonephritis. The main syndromes. Differential diagnosis. Treatment, prophylaxis   | 10 | 2 | 6 |  | 2 | - | Опро-<br>с, те-<br>сто-<br>вый<br>кон-<br>троль                       |
| 8. Diseases of the gastrointestinal tract in children. Acute and chronic g-street, duodenitis, gastric ulcer and 12 duodenal ulcer, pancreatitis, cholecystitis, biliary dyskinesia. Etiopathogenesis. Clinic. Diagnostics. Treatment. | 9  | 2 | 6 |  | 1 | - | Опро-<br>с, те-<br>сто-<br>вый<br>кон-<br>троль                       |

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| 9. "Flu infections": measles, rubella, scarlet fever, chicken pox. Etiopathogenesis, epidemiology, clinic, treatment and prevention.   | 16 | 2 | 6 |  | 2 | 6 | Опрос, тестовый контроль, реферат |
| 10. Airborne droplets infections: whooping cough, epidarotit, diphtheria. Clinic, diagnostics, treatment and prevention. Emergency care for apnea in a patient with club. Events in ocha-ge. | 10 | 2 | 6 |  | 2 | - | Опрос, тестовый контроль          |
| 11. Acute intestinal infections. Epidemiology. Etiopathogenesis. Clinical forms. Complications Criteria for the degree of dehydration. Treatment, prevention.                                | 6  | - | 6 |  |   | - | Опрос, тестовый контроль          |
| 12. Meningococcal infection, classification, pathogenesis, clinic, treatment, prophylaxis.   | 12 | - | 6 |  |   | 6 | Опрос, тестовый контроль, реферат |
| <b>Part 5. Outpatient pediatrics</b>   |    |   |   |  |   |   |                                   |
| 1. Clinic: patronage of newborns and infants. Technique of care and feeding of newborns. Signs of full term. Mode of rest and nutrition of a nursing mother.                                 | 9  |   | 3 |  |   | 6 | Опрос, тестовый контроль, реферат |
| 2. Clinic: organization of work of departments. Work in the office of a healthy child and at a reception. Clinical examination of children. Health groups. Documentation of the site.        | 5  | - | 3 |  | 2 | - | Опрос, тестовый контроль          |
| 3. Work in a vaccination cabinet, documentation. Calendar of vaccinations. Complications after vaccinations. Treatment of post-vaccination complications.                                    | 13 | 2 | 4 |  | 1 | 6 | Опрос, тестовый контроль, ре-     |



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|-------|-----|----|-----|--|----|----|------------|
|       |     |    |     |  |    |    | фе-<br>рат |
| Total | 288 | 46 | 128 |  | 24 | 78 | 36         |

## 5. CONTENT OF DISCIPLINE (MODULE)

### Section 1. Propaedeutics of childhood diseases

**Topic 1.** Periods of childhood. Physical and mental development of children.

**Topic content:** Laws of increasing body mass and length, other parameters. Age-related features, semiotics of violations. Assessment of neuropsychic development.

**Topic 2.** General examination of a healthy and sick child.

**Content:** General examination of a healthy and sick child. APF and skin research methodology. Subcutaneous adipose tissue of the lymph nodes, musculoskeletal system. Semiotics of violations.

**Topic 3.** APF respiratory and circulatory organs.

**Content of the topic:** Anatomical and physiological features of respiratory and circulatory organs.

Inspection Technique. Functional tests. Semiotics of the main lesions.

**Topic 4.** Features of hematologicalopoiesis in children.

**Contents of the topic:** Features of blood formation in children. Peripheral blood counts depending on age. Assessment of blood tests. Semiotics of the main lesions.

**Topic 5.** Anatomical and physiological features of the digestive and urinary system.

**The content of the topic:** Anatomical and physiological features of the digestive and urinary organs. Inspection Technique. Semiotics of the main lesions. Assessment of urine tests, coprograms.

**Topic 6.** Feeding: natural, mixed, artificial.

**Topic content:** The advantage of natural feeding. Hypogalactia: preventive measures, stimulation of lactation. Description of milk formulas. Artificial, mixed feeding. Ways of calculating nutrition. Dates and rules for the introduction of feed.

### Section 2. Neonatology

**Topic 1.** Problems of neonatology.

**Topic content:** Infant mortality and ways to reduce it: solving the problem of miscarriage, family planning program, improving perinatal diagnosis. Premature baby. The structure of the incidence of newborns.

**Topic 2.** The newborn.

**Content:** Physiology, signs of full-term. Apgar scale. Technique for the care of newborns. Prematurity. Causes of miscarriage, clinical signs, peculiarity of care. Organization of departments of newborns and premature

**Topic 3.** Intrauterine infections

**Content:** Intrauterine infections CMV, herpes, chlamydia, toxoplasmosis. Sepsis is bacterial.

**Topic 4.** Hemolytic disease of the newborn.

**Content:** hemolytic disease of the newborn. Definition, causes and predisposing factors. Pathogenesis, clinic, diagnosis and treatment.

**Topic 5.** Pathology of the neonatal period.


**Contents of the topic:** Pathology of the neonatal period. Perinatal damage to the central nervous system of hypoxic-traumatic genesis (brain and spinal cord).

### Section 3. Diseases of young children

**Topic 1.** Rickets and rickets-like diseases

**Content:** Etiology and pathogenesis of rickets, features of the clinical picture and the current course of rickets. Rickets-like diseases. Diagnosis, differential diagnosis with tubulopathies and rickets-like diseases. Hypervitaminosis D. Principles of treatment and prevention.

**Topic 2.** Iron deficiency anemia.

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**Contents of the topic:** Iron deficiency anemia. Clinic, hematological diagnostics. Differential diagnosis with other types of anemia. Treatment, prevention.

**Topic 3.** Chronic eating disorders.

**Content:** Chronic eating disorders in children. Etiology, pathogenesis, specific gravity in the pathology of children in modern conditions. Characterization of various forms of trophic disorders, principles of treatment and prevention.

**Topic 4.** Congenital heart defects.

**Contents of the topic:** Clinic, diagnosis, treatment. Acute and chronic cardiovascular failure. Etiology, pathogenesis, clinic, treatment program.

#### **Section 4. Diseases of older children**

**Topic 1.** Acute pneumonia in children

**Contents of the topic:** Acute pneumonia. The role of acute and respiratory diseases and bacterial infections in the development of pneumonia, development mechanisms. Clinical forms, complications, principles of treatment and prevention.

**Topic 2.** Bronchial asthma

**Content:** Bronchial asthma and chronic bronchopulmonary diseases. Etiology, pathogenesis. Features of the clinic. Diagnostics. Differential diagnosis, treatment, prevention. Asthmatic status. Emergency care for an attack of bronchial asthma, asthmatic status.

**Topic 3.** Bronchitis in children

**Content:** bronchitis in children of various ages. Acute simple and obstructive bronchitis in children. Classification. Etiology, pathogenesis, clinic, treatment.

**Topic 4.** Acute rheumatic fever.

**Subject matter:** Acute rheumatic fever. Etiopathogenesis. Clinic. Diagnostic criteria. Stages of treatment. Primary and secondary prevention. Dispensary observation.

**Topic 5.** Leukemia

**Contents of the topic:** Leukemia. Options for acute leukemia in children. Clinic and diagnosis of acute leukemia in childhood. Clinical "masks" of leukemia. Diagnosis, differential diagnosis. The role of additional research methods. The principles of treatment.

**Topic 6.** Hemorrhagic diathesis and systemic vasculitis.

**Content of the topic:** Hemorrhagic diathesis and systemic vasculitis.

Etiology, pathogenesis and clinical manifestations of individual forms of hemorrhagic diathesis and systemic vasculitis. Features of the course in children. The principles of treatment.

**Topic 7.** Diseases of the urinary system. Acute and chronic glomerulonephritis and pyelonephritis. The main syndromes. Differential diagnosis. Treatment, prophylaxis. Features of the course of pyelonephritis in young children.

**Topic 8.** Diseases of the gastrointestinal tract in children.

**Content:** Gastritis, duodenitis, peptic ulcer. Biliary dyskinesia. Modern methods of clinical, instrumental and laboratory diagnostics. The principles of treatment. Cholecystitis. Pancreatitis. Biliary dyskinesia. Modern methods of clinical, instrumental and laboratory diagnostics. The principles of treatment.

**Topic 9.** "Common infections":


**Content of the topic:** Major infections: measles, rubella, scarlet fever, chickenpox. Etiopathogenesis, epidemiology, clinic, differential diagnosis between infections accompanied by rashes. Treatment and prevention.

**Topic 10.** Airborne infections:

**Content:** Airborne infections: Whooping cough, mumps. Diphtheria. Clinic, diagnosis, treatment and prevention. Emergency care for apnea in a patient with whooping cough.

**Topic 11.** Intestinal infections.

**Contents of the topic:** Intestinal infections. Etiology, pathogenesis, forms of acute intestinal infections in children. Dehydration syndrome. Emergency treatment. Principles for the treatment

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of intestinal infections. Rehydration therapy. Prevention

**Topic 12.** Meningococcal infection in children.

**Contents of the topic:** Meningococcal infection in children. Classification of meningococcal infections in children. Clinical forms and complications. Differential diagnosis of meningococcal meningitis with meningitis of another etiology. Emergency care for toxic shock and cerebral edema. Treatment and prevention.

### Section 5. Clinic

**Topic 1.** Polyclinic: patronage of newborns and infants.

**Contents of the topic:** Clinic: patronage of newborns and infants.

Technique of care and feeding of newborns. Signs of full-term. The mode of rest and nutrition of the nursing mother.

**Topic 2.** Clinic: organization of work of departments.

**Contents of the topic:** Clinic: patronage of newborns and infants.

Work in the office of a healthy child and at a reception. Clinical examination of children. Health Groups. Site documentation.

**Topic 3.** Clinic: work in the vaccination room, documentation.

**Content:** Clinic: work in the vaccination room, documentation.

Vaccination calendar. Complications after vaccinations. Treatment of post-vaccination complications.

## 6. TOPICS OF PRACTICAL AND SEMINAR ACTIVITIES

### Section 1. Propaedeutics of childhood

**Topic 1.** APF of respiratory and circulatory organs.

Questions to the topic:

1. Respiratory embryogenesis
2. APF of the respiratory system in children and adolescents
3. Embryogenesis of CVS
4. Age features of CVS
5. Methods of examination of the respiratory system.
6. Methodology for the examination of CVS.
7. Functional tests.
8. Semiotics of the main lesions.

**Topic 2.** Features of hematopoiesis in children.

**Questions to the topic:**

1. Features of hematopoiesis in children at different age periods.
2. APF of hematopoietic organs.
3. Standards of peripheral blood, depending on age.
4. Evaluation of blood tests.
5. Semiotics of the main lesions of the hematopoietic system.
6. Inspection technique.

**Topic 3.** APF of the digestive and urinary organs.


**Questions to the topic:**

1. Embryogenesis and APF of the digestive system
2. Embryogenesis and Apoorgan urination.
3. The survey technique.
4. Semiotics of the main lesions.
5. Evaluation of urine tests, coprograms and other research methods.

**Theme 4.** Feeding: natural, mixed, artificial.

**Questions to the topic:**

1. The principles of rational feeding of children.

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2. The advantage of natural feeding.
3. Hypogalactia: preventive measures.
4. Lactation, stimulation of lactation.
5. Artificial feeding of children.
6. Mixed feeding, indications and rules of conduct.
7. Characteristics of milk formulas.
8. Features of feeding premature babies.

## **Section 2. Neontology**

### **Topic 1. A newborn baby.**

Questions to the topic:

1. Physiology, signs of full-term.
2. Apgar scale.
3. Technique for the care of newborns.
4. Prematurity. Reasons for miscarriage,
5. Clinical signs of prematurity.
6. Features of care for premature babies.
7. Organization of departments of newborns and premature babies.

### **Topic 2. Hemolytic disease of the newborn.**

**Questions to the topic:**

1. Definition of hemolytic disease of the newborn.
2. Reasons and predisposing factors.
3. The pathogenesis of hemolytic disease of the newborn,
4. Classification of hemolytic disease of the newborn
5. Clinic of hemolytic disease of the newborn,
6. Diagnostics
7. Treatment.
8. Prevention of HDN.

## **Section 3. Diseases of young children**

### **Topic 1. Rickets.**

Questions to the topic:

1. Definition of rickets
2. Etiology and predisposing factors in the occurrence of rickets.
3. pathogenesis of rickets.
4. Clinical and laboratory changes.
5. Diagnostics.
6. Difdiagnosis with tubulopathies and rickets-like diseases.
7. The concept of hypervitaminosis "D".
8. Drawing up a treatment and prevention plan.

### **Topic 2. Iron deficiency anemia.**


**Questions to the topic:**

1. Definition of IDA
2. Etiology and predisposing factors in the occurrence of IDA
3. IDA pathogenesis
4. Clinical and laboratory changes IDA.
5. Hematological diagnostics.
6. Differential diagnosis with other types of anemia.
7. Treatment
8. Prevention.

### **Topic 4. Congenital heart diseases.**

**Questions to the topic:**



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1. Definition of IPN
2. Causes and predisposing factors in the development of CHD.
3. The pathogenesis of CHD.
4. Modern classification.
5. Features of the CHD clinic in children.
6. Diagnosis, differential diagnosis of CHD.
7. Treatment of CHD and complications.
8. Acute and chronic cardiovascular failure.
9. Etiology, pathogenesis of CVS.
10. Clinic CVS, treatment program.

#### **Section 4. Diseases of older children**

**Topic 1.** Acute pneumonia.

**Questions to the topic:**

1. Definition of acute pneumonia.
2. Causes and predisposing factors in the development of the disease.
3. The pathogenesis of acute pneumonia.
4. Modern classification.
5. Features of the clinic in children of different ages.
6. Diagnosis, differential diagnosis.
7. Treatment of acute pneumonia and complications.
8. Acute respiratory failure. Urgent Care.

**Topic 2.** Bronchial asthma and chronic bronchopulmonary diseases.

**Questions to the topic:**

1. Determination of bronchial asthma and chronic non-specific lung diseases.
2. Causes and predisposing factors in the development of the disease.
3. The pathogenesis of bronchial asthma .
4. Modern classification.
5. Features of the clinic in children of different ages.
6. Diagnosis, differential diagnosis
7. Treatment of bronchial asthma at the present stage.
8. Asthmatic status.
9. Emergency care for an attack of bronchial asthma, asthmatic status.

**Topic 4.** Acute rheumatic fever.


**Questions to the topic:**

1. Definition of acute rheumatic fever.
2. Causes and predisposing factors in the development of the disease.
3. The pathogenesis of acute rheumatic fever.
4. Modern classification and change of terminology.
5. Features of the clinic in children of different ages.
6. Diagnosis, differential diagnosis.
7. Diagnostic criteria.
8. Stages of treatment.
9. Primary and secondary prevention.
10. Clinical observation.

**Topic 6.** Leukemia.

**Questions to the topic:**

1. Definition of acute leukemia.
2. Causes and predisposing factors in the development of the disease.
3. Theories of the occurrence of acute leukemia.
4. The pathogenesis of acute leukemia.

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5. Modern classification.
6. Features of the clinic in children of different ages.
7. Diagnosis, differential diagnosis.
8. Treatment program for acute leukemia.
9. Forecast.

**Topic 7. Hemorrhagic diathesis.**

**Questions to the topic:**

1. Definition of hemodialysis.
2. Causes and predisposing factors in the development of the disease.
3. The pathogenesis of hemovascularitis, hemophilia, thrombocytopenic purpura.
4. Modern classification.
5. Features of the clinic in children of different ages.
6. Diagnosis, differential diagnosis.
7. The treatment of hemophilia at the present stage.
8. Treatment and prevention of hemorrhagic vasculitis.
9. Treatment and prevention of thrombocytopenic purpura.

**Topic 8. Diseases of the urinary system.**

**Questions to the topic:**

1. Determination of acute and chronic pyelonephritis and glomerulonephritis.
2. Causes and predisposing factors in pyelonephritis and glomerulonephritis.
3. The pathogenesis of pyelonephritis.
4. The pathogenesis of glomerulonephritis.
5. Modern classification.
6. Features of the clinic in children of different ages.
7. Urinary syndrome.
8. Diagnosis, differential diagnosis of kidney disease.
9. Treatment of pyelonephritis and glomerulonephritis.
10. Clinical observation.

**Topic 9. Gastrointestinal diseases.**


**Questions to the topic:**

1. Definition of acute and hr. gastritis, duodenitis, gastric ulcer and 12 duodenal ulcer.
2. Causes and predisposing factors in the development of gastrointestinal disease.
3. The pathogenesis of acute and hr. gastritis, duodenitis, gastric ulcer and 12 duodenal ulcer.
4. Modern classification.
5. Features of the clinic in children of different ages.
6. Diagnosis, differential diagnosis.
7. Treatment of acute and hr. gastritis, duodenitis, gastric ulcer and 12 duodenal ulcer.
8. Prevention and follow-up
9. Definition of acute and hr. pancreatitis, cholecystitis
10. Causes and predisposing factors in the development of gastrointestinal disease.
11. The pathogenesis of acute and chronic pancreatitis, cholecystitis, biliary dyskinesia.
12. Modern classification.
13. Features of the clinic in children of different ages.
14. Diagnosis, differential diagnosis.
15. Treatment of acute and hr. gastritis, duodenitis, gastric ulcer and 12 duodenal ulcer.
16. Prevention and follow-up

**Topic 10. Rash infections: measles, rubella, scarlet fever, chicken pox.**

**Questions to the topic:**

1. Etiopathogenesis of measles, rubella, scarlet fever, chicken pox.
2. Epidemiology of rash infections.

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3. Clinic of measles, rubella, scarlet fever, chicken pox.
4. Treatment of measles, rubella, scarlet fever, chicken pox.
5. Specific and nonspecific prevention.
6. Activities at the site of infection.

**Topic 11.** Airborne droplets infections: whooping cough, epiparotitis, diphtheria.

**Questions to the topic:**

1. Etiology and epidemiology of whooping cough.
2. Etiology and epidemiology of mumps.
3. Pathogenesis of pertussis and mumps.
4. Clinic of whooping cough and its complications.
5. Clinic and complications of mumps.
6. Diagnosis and differential diagnosis of airborne infections.
7. Treatment and prevention.
8. Emergency care for apnea in a patient with whooping cough.
9. Etiopathogenesis of diphtheria.
10. Epidemiological features of diphtheria at the present stage.
11. Classification of diphtheria.
12. Clinic of diphtheria.
13. Diagnosis and differential diagnosis.
14. Events in epid. hearth.
15. Treatment.

**Topic 12.** Acute intestinal infections.

**Questions to the topic:**

1. Etiology and epidemiology of acute intestinal infections at the present stage.
2. Etiopathogenesis.
3. Clinical forms of AII.
4. Complications.
5. Criteria for the degree of dehydration.
6. Treatment of AII
7. Prevention of AII.
8. Indications for hospitalization.
9. Anti-epidemic measures in the focus of acute intestinal infections.

#### **Section 4. Clinic**

**Topic 1.** Polyclinic: patronage of newborns and infants.


**Questions to the topic:**

1. Signs of full-term.
2. Transitional conditions of newborn children.
3. Technique for caring for newborns.
4. Feeding the newborn.
5. The mode of rest and nutrition of the nursing mother.

**Topic 2.** Clinic: work in the vaccination room, documentation.

**Questions to the topic:**

1. The structure and organization of the vaccination room.
2. The vaccination calendar.
3. Absolute contraindications for vaccination.
4. Relative contraindications to vaccination.
5. Types of vaccines.
6. Complications after vaccinations.
7. Treatment of vaccine-related complications.

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## 7. LABORATORY WORKS, PRACTICES

This type of work is not provided by AP.

## 8. SUBJECT OF COURSE, CONTROL WORKS, ABSTRACTS

The purpose of writing essays is an independent study of issues that are not included in the lecture course and the topics of practical classes.

The objectives of the study are to identify a modern vision of the problem of the etiology and pathogenesis of childhood diseases. To highlight the features of the clinic at the present stage, their diagnosis and treatment.


The abstracts should contain a plan of the problem being studied, which reflects the definition, etiopathogenesis, classification, clinic, diagnosis and differential diagnosis, treatment, prevention.

Abstracts should be issued on sheets of A4 format, font 14, spacing 1.5, a volume of 5-16 pages. Questions submitted for independent study are included in the test control and final state certification.

1. Purulent-inflammatory diseases of the skin and navel in newborns
2. Sepsis of the newborn.
3. Cystic fibrosis. Pathogenesis, clinic, diagnosis, treatment.
4. Coma in children (hepatic, hyperglycemic, hypoglycemic)
5. Tuberculosis in children. Etiopathogenesis, clinic, diagnosis, treatment.
6. AIDS in children. Etiopathogenesis, clinic, diagnosis, treatment.
7. A. viral hepatitis A, B, C, D.
8. Helminthic infestations (ascariasis, enterobiosis, trichocephalosis, opisthorchiasis, tape)
9. Poisoning in children (carbon monoxide poisoning, FOS, turpentine, drugs, alcohol).

## 9. LIST OF QUESTIONS FOR THE EXAM

1. Actual problems of neonatology. Infant mortality, its types, causes of infant mortality. Measures to reduce infant mortality.
2. Periods of childhood. Features of the neonatal, nursing, preschool and school periods.
3. The physical development of young children. The laws of mass growth and growth. Semiotics of physical development disorders. Survey methods. Indices of development harmony.
4. The concept of acceleration and retardation. Acceleration Theories. Clinical signs of acceleration and retardation.
5. Neuropsychic development of children of the first year of life. Survey methods. Semiotics of defeats.
6. Anatomical and physiological characteristics of the skin, subcutaneous fat. Survey methods. Semiotics of lesions and examination features.
7. Anatomical and physiological features of the bone and muscle system. Methodology of the survey. Semiotics of the main lesions.
8. Anatomical and physiological characteristics of the respiratory system in children. Methods of examination of the respiratory system in children. Semiotics of defeats.
9. Anatomical and physiological characteristics of the cardiovascular system in a child. Methods of examination of the cardiovascular system. Semiotics of defeats.
10. Anatomical and physiological characteristics of the gastrointestinal tract in children. Examination methods and semiotics of the main lesions.
11. Anatomical and physiological features of the urinary system in children. Methods of clinical and paraclinical examination. Semiotics of defeats.
12. The program of paraclinical examination of a child with pathology of the urinary system.

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Assessment of urine analysis of a healthy child, Zimnitsky's test. The concept of radioisotope renography, Reberg-Tareev test, cystoscopy.

13. Anatomical and physiological characteristics of the lymphatic system in children. Rules for examining lymph nodes, semiotics of lesions.

14. Screening program for children with suspected blood diseases. Semiotics of blood diseases. Evaluation of a blood test and bone marrow of a healthy child.

15. Natural feeding of children. Definition The advantage of natural feeding. Characteristics of human milk. Types and timing of the introduction of complementary foods. Calculation of nutrition.

16. Mixed feeding. Terms of introduction and types of complementary foods. Rules for the introduction of feed. The need for proteins, fats, carbohydrates in the quarters of the first year of life.

17. Artificial feeding. Definition Mixtures for feeding children, their types, characteristics. Methods of calculating nutrition for artificial feeding, timing of the introduction of complementary foods.

18. Full-term baby. Reflexes of the newborn. Borderline conditions of newborn children.

19. Premature and immature baby. Signs of prematurity and immaturity. Stages of nursing.

20. Patronage of a newborn in the area. Features of the transition period. Boundary states.

21. Birth injury to the brain and spinal cord in a newborn. Clinic, topical diagnostics, treatment, rehabilitation, prognosis.

22. Hypoxic-ischemic brain damage in the newborn. Etiology, pathogenesis. Classification. Clinical and neurological characteristic. Treatment.

23. Early and late anemia in premature infants. Etiology, pathogenesis, clinic, diagnostics, treatment.

24. TORCH syndrome in newborns. Features of the clinic. Laboratory diagnostics.

25. Principles of medical examination of healthy children after 1 year. Clinical examination of children with somatic diseases. Documentation.

26. Intrauterine infections: CMV, herpes simplex in newborns. Transmission ways. The clinical picture. Differential diagnosis. Treatment.

27. Hemolytic disease of the newborn. Etiology. Pathogenesis. Classification of Clinics. Differential diagnosis. Treatment. Complications Forecast.

28. Infectious diseases of the skin and navel in newborns. Etiology. The clinical picture. Treatment. Prevention

29. Dystrophy by type of malnutrition. Classification. Clinic, diagnosis, treatment, prophylaxis.

30. Non-rheumatic carditis in children. Etiology, pathogenesis, clinical presentation, treatment and prevention.

31. Heart failure in children. Classification. Etiology, pathogenesis. The clinical characteristic. Urgent Care

32. Acute rheumatic fever. Etiology. Pathogenesis. Clinic, diagnostic criteria of Kessel-Johnson-Nesterov, diagnosis, treatment.

33. Systemic lupus erythematosus. Clinical and laboratory manifestations. Differential diagnosis. The principles of treatment. Dispensary observation.


34. Juvenile rheumatoid arthritis in children. Etiology, pathogenesis. The clinical picture, diagnosis, treatment.

35. Bronchial asthma. Predisposing and contributing factors in the occurrence of bronchial asthma. Pathogenesis and clinical picture. Treatment. Prevention

36. Clinical characteristics and characteristics of the course of bronchial asthma in young children. The principles of step therapy for asthma in children


37. Community-acquired pneumonia, etiology, course features, clinical presentation, treat-



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ment. Forecast

38. . Nosocomial pneumonia, etiology, course features, clinical presentation, treatment. Forecast.
39. Acute obstructive bronchitis. Etiology. Pathogenesis. Clinic. Diagnostics. Treatment.
40. Ricketts. Etiology, pathogenesis, classification, clinic, treatment, prevention.
41. Ricketts-like diseases. Clinic. Differential diagnosis. Treatment.
42. Spasmophilia. Etiology, pathogenesis, clinic, diagnosis, treatment.
43. Chronic gastritis in children. Modern ideas about the etiology, pathogenesis. Classification. The clinical picture. Treatment.
44. Biliary dyskinesia. Etiology, pathogenesis. Clinical characteristics, diagnosis, treatment.
45. Peptic ulcer of the stomach and duodenum in children. Etiology, pathogenesis, clinical features, diagnosis and treatment.
46. Acute and chronic cholecystitis. Etiology. Pathogenesis. Clinic. Diagnosis, treatment.
47. Chronic pancreatitis in children. Etiology, pathogenesis. Clinic. Treatment.
48. Acute adrenal insufficiency. Etiology, pathogenesis, clinic. Urgent Care.
49. Thrombocytopenic purpura. Etiology, pathogenesis, clinic. Laboratory diagnosis and treatment.
50. Hemophilia. Etiology, pathogenesis, clinical features, complications, laboratory diagnostics. The principles of treatment.
51. Hemorrhagic vasculitis in children. Etiology, classification, pathogenesis. Features of vascular lesions of the microvasculature in hepatitis B. Clinic, treatment.
52. Acute leukemia in children. Etiology, pathogenesis, morphology. Clinical Syndromes. Diagnostics. Treatment.
53. Iron deficiency anemia. Clinic, diagnosis, treatment, prevention. Features of the course of IDA in young children.
54. Congenital heart defects
55. Congenital heart defects: Fallot disease, transposition of the great vessels, co-arcation of the aorta.
56. Acute glomerulonephritis. Etiology, pathogenesis, clinic, diagnosis, treatment.
57. Chronic glomerulonephritis. Etiology, pathogenesis, clinic, diagnosis, treatment.
58. . Acute pyelonephritis in young children. Etiology, pathogenesis, classification, features of the clinic, treatment.
59. Chronic pyelonephritis. Etiology, pathogenesis, clinic, diagnosis, treatment.
60. Salmonellosis. Features of the clinical course. Differential diagnosis. Treatment. Prevention
61. Rubella. Etiology. Pathogenesis. The clinical picture. Differential diagnosis. Intrauterine rubella syndrome. Prevention
62. Respiratory viral infections: influenza, parainfluenza. Etiology. Pathogenesis. Features of the clinical picture. The principles of treatment. Prevention
63. Respiratory viral infections: adenoviral and respiratory syncytial infections. Etiology. Pathogenesis. Clinic, diagnostics, treatment. Prevention
64. Enterovirus infections in children. Clinical features. Differential diagnosis with other viral infections. Treatment. Prevention
65. Measles. Etiology, epidemiology, pathogenesis, clinic. Differential diagnostics. Treatment, prevention.
66. Chicken pox: epidemiology, pathogenesis, clinic, diagnosis, treatment. Anti-epidemic measures in the outbreak. Prevention
67. Mumps. Etiology, epidemiology, pathogenesis. Clinical picture, diagnosis, complications, treatment. Prevention
68. Whooping cough. Etiology, epidemiology. Complications and their treatment. Specific

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prophylaxis.

69. Whooping cough. Etiology, epidemiology, clinic, diagnosis, treatment. Tic prophylaxis.

70. Scarlet fever. Epidemiology, etiology. Pathogenesis. The clinical picture, complications, treatment. Prevention

71. Diphtheria: etiology, epidemiology at the present stage. Pathogenesis. Clinic diphtheria pharynx, treatment. Prevention

72. Dysentery in children. Etiology, pathogenesis, clinic, treatment, prevention.

73. Meningococcal infection. Etiology, epidemiology, incubation period. Pathogenesis. Meningococcal meningitis. Clinic. Prevention

74. Rotavirus infection. Etiology, epidemiology, clinic, diagnosis, treatment. Prevention

75. Intestinal toxicosis and exicosis in children. Types of exsicosis. Clinic, treatment. Pro lactation.

76. Acute viral hepatitis B. Etiology, pathogenesis, clinical features, treatment. Tic prophylaxis.

77. Sepsis in children. Etiology. Pathogenesis. Classification. Clinic. Treatment.

78. The basics of vaccination in childhood. The new vaccination calendar of Russia. Absolute and relative contraindications to vaccinations.


79. Post-vaccination reactions and complications. Clinic, treatment, preventive measures. Anti-vaccination movement.

80. Children's clinic. Organization and principle of work. Documentation. Clinical examination of healthy children in the outpatient area.


## 10. INDEPENDENT WORK OF TRAINERS

Full-time form of education


| Title of sections and topics  | Type of independent work (study of educational material, problem solving, abstract, report, control work, preparation for passing the test, exam, etc.) | Volume in hours | Form of control (verification of the solution of problems, abstract, etc.) |
|---|---|-----------------|--|
| <b>Section I . Propaedeutics of childhood diseases</b>  |   |                 |  |
| 1. Introduction to propaedeutics. History of domestic pediatrics.   | Study of educational and lecture material, abstract   | 6               | Checking lecture notes, listening to essays                                |
| 2. Acquaintance with the organization and principles of work in a children's hospital. Features of the collection of history in children and parents. Anamnesis collection technique. Evaluation of the data. | Study of educational and lecture material, abstract   | 6               | Checking lecture notes, listening to essays                                |
| 7. APF of the digestive and urinary organs. Inspection Technique. Semiotics of the main lesions. Assessment of urine tests, coprograms, second-hand analyzes.   | Study and teaching material   | 6               | Checking lecture notes   |
| <b>Section 2. Neonatology.</b>  |   |                 |  |
| 1. Problems of neonatology. Infant mortality and ways to re-  | Study of educational and lecture material, abstract   | 6               | Checking lecture notes, lis-   |

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| duce it: solving the problem of miscarriage, family planning program, improving perinatal diagnosis. Premature baby. The structure of the incidence of newborns.   |   |   | tening to essays                            |
| 2. Newborn baby: physiology, signs of full-term. Apgar scale. Technique for the care of newborns. Prematurity. Causes of miscarriage, clinical signs, peculiarity of care. Organization of departments of newborns and premature babies.                     | Study of educational and lecture material, abstract | 6 | Checking lecture notes, listening to essays |
| 3. Intrauterine infections CMV, herpes, chlamydia, toxoplasmosis. Sepsis is bacterial.   | Study of educational and lecture material, abstract | 6 | Checking lecture notes, listening to essays |
| 5. Pathology of the neonatal period. Perinatal damage to the central nervous system of hypoxic-traumatic genesis (brain and spinal cord).  | Study of educational and lecture material, abstract | 6 | Interviewing                                |
| <b>Section 3. Diseases of young children.</b>  |   |   |   |
| 4. Allergic, lymphatic-hypoplastic, neuro-arthritis diathesis.   | Study of educational and lecture material, abstract | 6 | Checking lecture notes, listening to essays |
| <b>Section 4. Diseases of older children.</b>  |   |   |   |
| 2. Bronchial asthma and chronic bronchopulmonary diseases. Etiology, pathogenesis. Features of the clinic. Diagnostics. Differential diagnosis, treatment, prevention. Asthmatic status. Emergency care for an attack of bronchial asthma, asthmatic status. | Study of educational and lecture material, abstract | 6 | Checking lecture notes, listening to essays |
| 3. Bronchitis in children of various ages. Acute simple and obstructive bronchitis, diagnosis, therapeutic tactics.  | Study of educational and lecture material, abstract | 6 | Checking lecture notes, listening to essays |
| 5. Diffuse diseases of the connective tissue. Etiology and pathogenesis. Features of the course of systemic lupus erythematosus, dermatomyositis, systemic scleroderma in children. Juvenile rheumatoid arthritis.   | Study of educational and lecture material, abstract | 6 | Checking lecture notes, listening to essays |
| 6 .. Leukemia. Classification. Etiopathogenesis. Clinical  | Study and teaching material                         | 6 | Checking lecture notes                      |

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| "masks", examination methods.<br>Treatment. Forecast.  |                             |   |                        |
| 9. Diseases of the gastrointestinal tract in children. Acute and chronic gastritis, duodenitis, peptic ulcer of the stomach and duodenum, pancreatitis, cholecystitis, biliary dyskinesia. Etiopathogenesis. Clinic. Diagnostics. Treatment. | Study and teaching material | 6 | Checking lecture notes |
| 12. AII. Epidemiology. Etiopathogenesis. Clinical forms. Complications Criteria for the degree of dehydration. Treatment, prevention.  | Study and teaching material | 6 | Checking lecture notes |
| <b>Section 5. Clinic.</b>  |                             |   |                        |
| 1. Clinic: patronage of newborns and infants. Technique of care and feeding of newborns. Signs of full-term. Mode of rest and nutrition of a nursing mother.   | Study and teaching material | 6 | Checking lecture notes |
| 3. Work in the vaccination room, documentation. Vaccination calendar. Complications after vaccinations. Treatment of post-vaccination complications.   | Study and teaching material | 6 | Checking lecture notes |

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## 11. УЧЕБНО-МЕТОДИЧЕСКОЕ И ИНФОРМАЦИОННОЕ ОБЕСПЕЧЕНИЕ ДИСЦИПЛИНЫ

### а) Список рекомендуемой литературы

#### Основная

1. Геппе Н.А., Детские болезни [Электронный ресурс]: учебник / Геппе Н.А. - М. : ГЭОТАР-Медиа, 2018. - 760 с. - ISBN 978-5-9704-4470-2 - Режим доступа: <http://www.studentlibrary.ru/book/ISBN9785970444702.html>
2. Геппе Н.А., Педиатрия : учебник / Под ред. Н.А. Геппе. - М. : ГЭОТАР-Медиа, 2009. - 432 с. - ISBN 978-5-9704-1059-2 - Режим доступа : <https://www.studentlibrary.ru/book/ISBN9785970410592.html>

#### Дополнительная

1. Педиатрия [Электронный ресурс] : журнал им. Г.Н. Сперанского : научно-практический журнал / Междунар. фонд охраны здоровья матери и ребенка. - Москва, 2017-2020. - ISSN 0031-403X. - Режим доступа: <https://dlib.eastview.com/browse/udb/12>
2. Интерпретация лабораторных данных у детей и взрослых : руководство для студентов, клин. ординаторов, клин. интернов, врачей-лаборантов, практ. врачей / А. И. Кусельман [и др.]; под ред. А. И. Кусельмана; УлГУ, ИМЭиФК. - 2-е изд., испр. и доп. - Ульяновск : УлГУ, 2014. - 260 с. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/45>
3. Кильдиярова Р.Р., Лабораторные и функциональные исследования в практике педиатра [Электронный ресурс] / Р.Р. Кильдиярова - 3-е изд., перераб. и доп. - М. : ГЭОТАР-Медиа, 2015. - 192 с. - ISBN 978-5-9704-3391-1 - Режим доступа: <http://www.studentlibrary.ru/book/ISBN9785970433911.html>

#### Учебно-методическая

1. Пруцкова Е. В. Учебно-методические указания для организации самостоятельной работы студентов по дисциплине "Педиатрия" / Е. В. Пруцкова; УлГУ, Мед. фак., Каф. педиатрии. - Ульяновск : УлГУ, 2019. - Загл. с экрана; Неопубликованный ресурс. - Электрон. текстовые дан. (1 файл : 313 КБ). - Текст : электронный. - <http://lib.ulsu.ru/MegaPro/Download/MObject/1511>
2. Пруцкова Е. В. Учебно-методические указания для студентов по дисциплине "Педиатрия" / Е. В. Пруцкова; УлГУ, Мед. фак., Каф. педиатрии. - Ульяновск : УлГУ, 2019. - Загл. с экрана; Неопубликованный ресурс. - Электрон. текстовые дан. (1 файл : 283 КБ). - Текст : электронный. - <http://lib.ulsu.ru/MegaPro/Download/MObject/1512>

Согласовано:


*И. Библиотечкарь*  
Должность сотрудника научной библиотеки

ФИО

подпись

дата



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## б) Программное обеспечение

Система «Антиплагиат.ВУЗ»  
 ОС Microsoft Windows  
 Microsoft Office 2016  
 Мой Офис Стандартный  
 Автоматизированная информационная система «Витакор РМИС»  
 Statistica Basic Academic for Windows 13

## в) Профессиональные базы данных, информационно-справочные системы

1. Электронно-библиотечные системы:
  - 1.1. IPRbooks : электронно-библиотечная система : сайт / группа компаний Ай Пи Ар Медиа. - Саратов, [2020]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.
  - 1.2. ЮРАЙТ : электронно-библиотечная система : сайт / ООО Электронное издательство ЮРАЙТ. – Москва, [2020]. - URL: <https://www.biblio-online.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.
  - 1.3. Консультант студента : электронно-библиотечная система : сайт / ООО Политехресурс. – Москва, [2020]. – URL: [http://www.studentlibrary.ru/catalogue/switch\\_kit/x2019-128.html](http://www.studentlibrary.ru/catalogue/switch_kit/x2019-128.html). – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.
  - 1.4. Лань : электронно-библиотечная система : сайт / ООО ЭБС Лань. – Санкт-Петербург, [2020]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.
  - 1.5. Znanium.com : электронно-библиотечная система : сайт / ООО Знаниум. - Москва, [2020]. - URL: <http://znanium.com>. – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.
  - 1.6. Clinical Collection : коллекция для медицинских университетов, клиник, медицинских библиотек // EBSCOhost : [портал]. – URL: <http://web.a.ebscohost.com/ehost/search/advanced?vid=1&sid=e3ddf99-a1a7-46dd-abe0876a%40sessionmgr4008>. – Режим доступа : для авториз. пользователей. – Текст : электронный.
2. КонсультантПлюс [Электронный ресурс]: справочная правовая система. /ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2020].
3. Базы данных периодических изданий:
  - 3.1. База данных периодических изданий : электронные журналы / ООО ИВИС. - Москва, [2020]. – URL: <https://dlib.eastview.com/browse/udb/12>. – Режим доступа : для авториз. пользователей. – Текст : электронный.
  - 3.2. eLIBRARY.RU: научная электронная библиотека : сайт / ООО Научная Электронная Библиотека. – Москва, [2020]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный
  - 3.3. «Grebennikon» : электронная библиотека / ИД Гребенников. – Москва, [2020]. – URL: <https://id2.action-media.ru/Personal/Products>. – Режим доступа : для авториз. пользователей. – Текст : электронный.
4. Национальная электронная библиотека : электронная библиотека : федеральная государственная информационная система : сайт / Министерство культуры РФ ; РГБ. – Москва, [2020]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.
5. SMART Imagebase // EBSCOhost : [портал]. – URL: <https://ebsco.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741>. – Режим доступа : для авториз. пользователей. – Изображение : электронные.
6. Федеральные информационно-образовательные порталы:
  - 6.1. Единое окно доступа к образовательным ресурсам : федеральный портал / учредитель ФГАОУ ДПО ЦРГОП и ИТ. – URL: <http://window.edu.ru/>. – Текст : электронный.
  - 6.2. Российское образование : федеральный портал / учредитель ФГАОУ ДПО ЦРГОП и ИТ. – URL: <http://www.edu.ru>. – Текст : электронный.
7. Образовательные ресурсы УлГУ:
  - 7.1. Электронная библиотека УлГУ : модуль АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.
  - 7.2. Образовательный портал УлГУ. – URL: <http://edu.ulsu.ru>. – Режим доступа : для зарегистрир. пользователей. – Текст : электронный.

Согласовано:  
 Зам. начальника УИТТ

Клочкова А.В.



## 12. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE::


| N p / p | Name of type of education, level of education, profession, specialty, field of study (for vocational education), subtype of further education | The name of the facility confirming the availability of logistics, with a list of basic equipment  | The address (location) of the object confirming the availability of material and technical support (indicating the number of such an object in accordance with the technical inventory documents) |
|---------|---|--|---|
|         | Pediatrics  | Classroom 1 for lecture-type classes, seminar-type classes, group and individual consultations, ongoing control and intermediate certification | Ulyanovsk Region,<br>Ulyanovsk,<br>st. Radishcheva, 42<br>-<br>UODKB  |


1. MedShow - a program for viewing pictures and drawings
2. Panasonic multimedia projector
  - teaching materials (methodological developments prepared for each lesson)
  - regulatory documents –FGOS-3
  - partition number tables
  - slides, filmstrips, movies: rickets, rickets-like diseases, bronchial asthma, emergency treatment in pediatrics, hemodialysis department.
  - instruments and devices used for practical (laboratory) studies - an ECG meter, blood pressure monitor, height meters, scales, changing table, samples of adapted artificial mixtures, instant milk cereals, canned foods for conducting dietary classes.

## 13.SPECIAL CONDITIONS FOR STUDENTS WITH DISABLED HEALTH OPPORTUNITIES

If necessary, students from among persons with disabilities (at the request of the student) may be offered one of the following options for perceiving information, taking into account their individual psychophysical characteristics:

- for persons with visual impairment: in print in large print; in the form of an electronic document; in the form of an audio file (translation of training materials into audio format); in printed form in Braille; individual consultations with the involvement of a tiflos sign language interpreter; individual tasks and consultations;
- for persons with hearing impairment: in print; in the form of an electronic document; video materials with subtitles; individual consultations involving an interpreter; individual tasks and consultations;
- for persons with disorders of the musculoskeletal system: in print; in the form of an electronic document; in the form of an audio file; individual tasks and consultations.

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Developer  Prutskova E. V.  
signature position name