**Pediatrics discipline sheet, Stomatology**

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| The name of the discipline  |  **Pediatrics** |
| Type  | Obligatory | Credits | 2 |
| Year of study  | IV | Semester  | VII |
| Number of hours  | course  | 10 | Practical works | 16 |
| Seminars | 9 | Individual work | 25 |
| Compound | of speciality |
| Titular of course | Ninel Revenco |
| Location  | Department of Pediatrics Public Health Institution Mother and Child Institute, Burebista street, 93,municipality Kishinev, MD-2062,Republic of Moldova(+373) 32 205 835 |
| Conditionings and prerequisites of:  | Program: basic knowledges in related disciplines such as: anatomy, human physiology, pharmacology, medical semeiology, medical imaging, internal medicine.  |
| Competences: collection of anamnesis, general clinical examination of the patient, interpretation of the results of paraclinical investigations - laboratory, instrumental and imaging, formulating a positive diagnosis, enunciation of therapeutic principles. Knowledge of the teaching language, digital competences, communication and teamwork skills, qualities such as tolerance, initiative, compassion, autonomy.  |
| The mission of the discipline  | **The mission of** the curriculum is basic, academic forming of the future specialist in the field of Pediatrics according to national and international educational standards, promoting of education, general human values, medical ethics and bioethics. ***The purpose of the discipline***: Studying and mastering by students the basic notions regarding the anatomical-functional peculiarities of the child's organism in relation to age, principles of anamnesis collection, mechanisms and factors that influence the normal somatic and psychic growth and development of the child, performing of general objective clinical examination, assessing the physical and neuro-psychical development in children of different ages, assessing the child's alimentation ration, vaccinoprophylaxis; etiology, diagnosis, treatment, prophylaxis of various pathologies in children and their role in dental affections in humans; recognition of general signs of danger and provision of emergency medical care in critical conditions to the child.  |
| The presented theme | * The child care in Republic of Moldova. Definitions of puericulture and pediatrics. Healthy child. The periods of childhood and their characteristics. Imunoprophylaxis. Medical supervision of children.
* Child’s growth and development. Bone growth. Methods of physical development assessing and evaluating.
* Alimentation of the child: breastfeeding, diversified alimentation, alimentation with milk powder formulas for children. Principles of preschool and school age children alimentation. The role of hypovitaminoses in dental affections in children.
* Deficient rickets in children.
* Acute upper respiratory tract infections in children. Bronchitis in children. Bronchiolitis. Community pneumonia in children. The role of chronic foci of infection in the appearance and evolution of respiratory diseases in children, in the development and maturation of the maxillofacial system.
* Fever and hyperthermic syndrome in children.
* Anemic and hemorrhagic syndrome in children. Deficient anemias.
* Immune thrombocytopenic purpura. Hemophilia A, B. Willebrand disease.
* Urinary tract infection in children. Acute and chronic glomerulonephritis in children. The role of chronic diseases of the renourinary system in the pathology of the bone system.
* Intestinal malabsorption in children. Celiac disease. Cystic fibrosis. Lactose intolerance. Intolerance to cow's milk proteins.
* Acute and chronic digestive disorders in children (gastritis, gastroduodenitis, ulcer disease, pancreatitis, cholecystitis): etiology, principles of diagnosis, treatment, prophylaxis. The role of chronic digestive affections in dental diseases in children.
* The main syndromes of cardiovascular system affection in children. Bacterial endocarditis in children.
* The major emergencies in pediatrics: fever, convulsions, anaphylactic shock, hemorrhagic syndrome, acute intoxication in children. Basic pediatric life support (BPLS). Virtual training / basic simulation in Pediatrics.
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| Study finalities | At the end of discipline studying the student will be able:1. To know the anatomo-physiological, functional, morphological peculiarities of the child in relation to age;
2. To know the principles of of the healthy child and sick child alimentation in different ages;
3. To know the evolution of the physiological processes of child growth and development, care, prophylaxis, social, behavioral pediatrics;
4. To know the particularities of the anamnesis, the objective clinical examination, the paraclinical examinations in children of different ages;
5. To know the basic principles of pediatric pathology: etiology, pathogenesis, typical clinical manifestations of diseases in children, contemporary methods of diagnosis, treatment and prophylaxis of these diseases;
6. To know the indications and contraindications for the use of laboratory, instrumental, imaging methods and other diagnostic methods in pediatrics;
7. To know the indications, contraindications, argumentation of an etiologic, pathogenetic, symptomatic treatment of diseases in children;
8. To know the methods of disease prevention in children, the immunization schedule of children in RM.
9. To possess the completion of the current medical documents: the observation sheet, the daily record.
10. To assess the nutritional status of the child, prescribing the correct alimentary ration for the children by different age groups.
11. ¬To have communication skills with the patient's family for recommendations and explanations, to promote the principles of ethics and deontology in the child's care.
12. To possess and apply the provision of emergency medical care to the critically ill child.
13. To be able to objectively evaluate and self-evaluate the knowledge in the field, to assimilate the new achievements in the clinical disciplines.
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| Acquired practical maneuvers | 1. Completion of current medical documents: case report, daily records.
2. Collection of an anamnesis (interview) to the pediatric patient.
3. Anthropometric measurements with the appreciation of the child's physical development of different ages.
4. Carrying out the general objective clinical examination and on devices in children of different ages.
5. Assessing the nutritional status of the child, prescribing the correct alimentary ration for the children by different age groups.
6. Recognition of vital signs, symptoms and signs of disease, major syndromes in child pathology, formulation of a definitive clinical diagnosis according to existing classifications.
7. To indicate and interpret the results of laboratory analyzes (clinical, biochemical, immunological, bacteriological), the results of instrumental investigations, imaging, etc.
8. To indicate general and medicinal treatment to the child according to the established diagnosis, prevention and rehabilitation measures.
9. Maternal health education.
10. Providing emergency medical assistance to the critically ill child. The student must know and apply the following practical knowledge and skills:
* To possess the technique of external cardiac massage in children;
* To be able to identify the child's state of shock;
* To recognize the child's cardio-respiratory arrest;
* To possess the stages of ABC evaluation (airway, breathing, circulation);
* To possess the techniques for "permeabilization" of the airways in children;
* To possess the performing of Basic pediatric life support;
* To possess the Critical Patient Safety Positioning technique;
* To identify the patient with seizures and to know (apply) the anticonvulsant medication;
* To provide emergency medical care to a child with pathological bleeding;
* Correctly administer anaphylactic shock medication.
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| Evaluation form | Differentiated colloquium  |