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| **Catalog****Department of infectious diseases****discipline Infectious diseases in children** |
| **Name of discipline** | Infectious diseases in children |
| **Type** | Compulsory,  | Credits | 3 |
| **Academic year** | VI | Semester | XI |
| **Number of hours** | Course | 20 | Practice | 20 |
| Seminar | 20 | Self-training | 30 |
| **Component** |  Specialized |
| **Course holder** | Gheorghe Plăcintă |
| **Location**  | Municipal Clinical Hospital for Contagious Diseases for Children (clinical base), 49 Lomonosov Street |
| **Conditionings and prerequisites of:** | Program: basic knowledge in related disciplines such as: pathophysiology, microbiology, molecular biology, pediatric, pharmacology, epidemiology, infectious diseases in adults, etc. |
| Competences: basic digital (internet use, document processing, use of text editors, electronic tables and presentation applications), communication skills and teamwork. |
| **Mission of the discipline** | Infectious Diseases in Children is one of the disciplines in the university training of beneficiaries regardless of the specialty they choose later, who will know perfectly infectious diseases in children, with a field of integration and implementation of basic knowledge in clinical practice. Within this discipline are studied the etiology, pathogenesis, clinical manifestations, evolution, treatment, criteria for hospitalization and discharge from the hospital, prophylaxis of infectious diseases in children, age peculiarities.The student acquires practical skills in examining and investigating the patient with infectious diseases, estimating the results obtained, early detection of infectious diseases, emergency medical care and treatment of the sick child according to the age and severity of the disease. |
| **Overview of the topics** | Airborne and Intestinal infectious diseases in children: meningococcal infection, influenza, COVID-19 infection, acute viral respiratory infections, measles, rubella, scarlet fever, diphtheria, mumps, pertussis, parapertusis, chickenpox, herpes infections, enteroviruses, poliomyelitis, viral hepatitis A, acute intestinal infections (shigellosis, salmonellosis, acute diarrhea with staphylococci, conditionally pathogenic bacteria and viruses).Infectious disease management. Management of the multidisciplinary team in emergency care in infectious diseases in children. Applied ethics and communication in healthcare for children with infectious diseases. |
| **Outcomes**  | • To have knowledge in specifying the clinical picture, age peculiarities, evolution, complications of infectious diseases in children• To perfect the clinical thinking, the ability to analyze and systematize the results of the clinical and laboratory examination of infectious diseases• To justify the early diagnosis of infectious diseases in children• Know the consequences of infectious diseases in children• To know the indications for hospitalization and the rules for transporting patients with infectious diseases• Determine clinical symptoms and changes in cerebrospinal fluid in viral and bacterial meningitis• To apply the proper treatment plan in children with infectious diseases• To formulate the diagnosis and treatment of infectious diseases in children in accordance with Clinical Protocols and National Medical-Economic Standards• To know the algorithm for diagnosis, treatment and argumentation of emergency care at the pre-hospital stage in infectious diseases in children:- meningococcal infection- meningitis, meningoencephalitis- hyperpyrexia with febrile convulsions- food poisoning- neurotoxicosis.• Provide emergency medical care to children with:- septic shock- acute cerebral edema•To know:- the specifics, the criteria for community admission of convalescents and the dynamic supervision of children with infectious diseases.- immunoprophylaxis of infectious diseases |
| **Clinical skills** | ● Examine the child with infectious diseases● Determined meningeal signs in children● The characteristic of rash in various eruptive infectious diseases● Changes in the pharynx in various infectious diseases● The nature of feces in children with acute intestinal infectious, viral hepatitis and other infectious diseases● Degree of dehydration in infants and young children in acute diarrheal diseases● Establishing and justifying the early diagnosis of infectious diseases in children● Forming home care plan● Paraclinical examination plan for children with infectious diseases, mentioning the main (specific) methods of diagnosis● Interpretation of the results of biological blood tests, CSF, bacteriological examination, virusological examination, serological reactions (PCR, ELISA, RA, RHAI, RFC, etc.)● Treatment of the infectious patient at home and in hospital● Emergency care at the pre-hospital stage in infectious diseases in children● Oral rehydration therapy (plan A, B)● Gastric lavage in children● Terms of isolation of children with infectious diseases |
| **Evaluation form** | Exam at the end of the discipline |