

DISCIPLINE ANNOTATION: ACTIVE AND PASSIVE IMMUNOPROPHYLAXIS OF INFECTIOUS DISEASES

THE GOAL OF THE COURSE: to provide students with basic knowledge of benefits of childhood vaccination that parents need in the process of raising and caring for a child.

Interdisciplinary links. To master the Active and passive immunoprophylaxis of infectious diseases discipline, students require knowledge, skills and abilities of such disciplines as medical and biological physics, microbiology, virology and immunology, physiology, pathophysiology, pharmacology, internal medicine, surgery.

Program learning outcomes: To understand benefits of vaccination. Ability to organize support for immunization in the community. To understand benefits of the National Immunization Schedule and the schedule of vaccinations for epidemiological indications.

Expected learning outcomes:

to know: regulatory documents of Ukraine in immunoprophylaxis; scientific foundations of immunoprophylaxis; types of immunobiological drugs used to create artificial immunity; immunoprophylaxis of certain infectious diseases; types of plans and sequence of planning preventive and anti-epidemic measures.

to be able to: assess social, economic, medical and biological foundations of the prevention of infectious diseases; assess post-vaccination immunity; assess storage conditions of vaccines and anatoxins; organize immunization in Ukraine; determine contraindications to vaccination; predict post-vaccination reactions and complications; assess the epidemiological and immunological efficiency of immunization; determine the specifics of vaccination in endemic and enzootic areas; determine the specifics of vaccination of different population groups (for epidemic indications, pregnant women, lactation, adults with concomitant diseases, immunodeficiency states); vaccination in the context of the COVID-19 pandemic; co-administration of vaccines.

Content of the academic discipline: General information about immunity and immunopathological conditions. Drugs used for immunoprophylaxis of infectious diseases. Vaccines, their types. Organization of immunoprophylaxis in Ukraine. Calendar of preventive vaccinations in Ukraine. Vaccination by age. Post-vaccination reactions and complications. Vaccination of adults with concomitant diseases. Emergency tetanus prophylaxis. Immunoprophylaxis of viral hepatitis (hepatitis A, hepatitis B). Immunoprophylaxis of rabies. Vaccination in the context of the COVID-19 pandemic.

