

"APPROVED"

Vice-Rector of the Higher Education Institution  
for Scientific, Pedagogical and Educational Work  
Professor Inna Ivanivna ANDRUSHKO



August 29, 2025

THE PROGRAMME  
OF PRACTICAL SEMINARS  
on "Phthisiology"  
for 4<sup>th</sup> year dental students  
«Dentistry »

№	Topic	Hours
1	The causative agent of tuberculosis (TB), structure, metabolism, pathogenesis and molecular determinants of virulence. Classification of <i>Mycobacterium</i> species. Epidemiological indicators of TB burden. Global and national TB epidemiology. TB transmission. Pathogenesis of tuberculosis. Immunity to TB. Clinical classification of tuberculosis.	2
2	Clinical presentation of TB. Clinical management of the patient with symptoms that may indicate tuberculosis of the oral cavity and jaws. Laboratory diagnostics of tuberculosis. Sputum AFB microscopy. Rules of specimen's collection. Bacteriological and molecular methods of detection of <i>M. tuberculosis</i> . Benefits and drawbacks of phenotypic and genotypic lab methods. Tuberculin Skin Test (TST). Interferon-Gamma Release Assays (IGRA). Interpretation of TST and IGRA results. Other tools to confirm TB diagnosis.	2
3	Primary tuberculosis. Tuberculosis in children. Clinical manifestations, diagnosis, differential diagnosis, complications. The effect of BCG on the risk of tuberculosis in children. Clinical analysis of the patient.	2
4	Pulmonary, extrapulmonary, and combined localisation of tuberculosis. Generalised (milliary) TB. TB meningitis. TB of peripheral lymph nodes. Tuberculous pleurisy. TB in children. BCG vaccination. Differences of TB disease in vaccinated and non-vaccinated children. Clinical case analysis.	2

5	Oral manifestations of TB disease. Screening for LTBI and TB disease by oral health care workers. Dental forms of tuberculosis, extrapulmonary and combined localization. Tuberculosis ulceration of the oral mucosa and jaw bones. Clinical analysis of the patient.	2
6	Clinical management of tuberculosis. Anti-TB medicines. Standardised and individualised regimens of treatment. Drug-resistant strains of <i>M. tuberculosis</i> : mono-, poly-, MDR and XDR-TB. Active monitoring and management of adverse events of anti-TB drugs. Recording standardized treatment outcomes. Directly Observed Therapy. Ambulatory and inpatient treatment of tuberculosis. Adherence to treatment. Fighting TB stigma and discrimination.	2
7	Prevention of tuberculosis. Infection Control: administrative, engineering and respiratory protection levels. Contact Tracing. Preventive chemotherapy. TB health care policy.	2
8	TB Vaccine (BCG). Administration of BCG vaccination. Contraindications. Precautions. Testing for TB in BCG-Vaccinated People.	2
9	Trends in Tuberculosis/Human Immunodeficiency Virus Comorbidity. Management of TB/HIV co-infection. Antiretroviral Therapy for Patients with HIV and Active Tuberculosis. Tuberculosis-Associated Immune Reconstitution Inflammatory Syndrome. Clinical case analysis. Final Module.	2
	<b>Total</b>	<b>18</b>

Head of the Tuberculosis, Clinical Immunology

and Allergy Department



Ass-prof. of HEI Liudmyla KULIK