

**LIST OF LESSON TOPICS**  
FOR MEDICAL FACULTY FOR INTERNATIONAL STUDENTS (**GENERAL MEDICINE**)  
OF 4 YEAR OF STUDY (**7 SEMESTER**)  
OF 2024/2025 ACADEMIC YEAR

**Lesson 1. Neoplasms of the skin**

Neoplasms of the skin. Classification. Benign skin tumors: papilloma, keratoma, fibroma, lipoma, nevi, angioma, etc. Etiopathogenesis. Clinical manifestations. Diagnostics. Treatment. Precancerous lesions of skin and mucosa. Classification (obligatory and facultative). Signs of pigment nevus malignization. Malignant neoplasms of the skin: basal cell carcinoma, squamous cell carcinoma. Clinical manifestations. Diagnostics. Treatment. Prevention.

Cutaneous lymphomas. Definition. Classification. Etiopathogenesis. Clinical manifestations. Diagnostics. Treatment.

Kaposi sarcoma. Clinical types. Diagnostics and differential diagnostics. Treatment. Prevention.

Practical skills: Obtaining of complaints, history of life and disease of dermatological patient. Examination of skin and mucosa of dermatological patient. Identification of skin lesions, description of cutaneous and mucosal manifestations. Interpretation of laboratory results.

Self-study: Examination of dermatological patients. Completion of the training case history. Solving of situational problems. Writing out the prescriptions.

Technical training aids: multimedia presentations, atlases, case photos, training films 6 hours

**Lesson 2. Connective tissue autoimmune diseases. Vascular disorders of the skin**

Connective tissue autoimmune diseases (collagenoses): lupus erythematosus, scleroderma (morphea). Classification (ICD-10). Etiopathogenesis. The significance of autoimmune factors in the development of collagenoses. Clinical and pathological features of cutaneous and mucosal manifestations. Treatment. Prevention.

Vascular disorders of the skin. Angioneuroses: Raynaud's disease, acrocyanosis, perniosis. Clinical appearance. Diagnostics. Treatment. Prevention.

Allergic skin vasculites. Etiopathogenesis. Classification. Superficial and profound clinical types. Pathomorphology. Clinical and laboratory diagnostics. Treatment. Prevention.

Practical skills: Obtaining of complaints, history of life and disease of dermatological patient. Examination of skin and mucosa of dermatological patient. Identification of skin lesions, description of cutaneous and mucosal manifestations. Interpretation of laboratory results. Revelation of Besnier sign

Self-study: Examination of dermatological patients. Completion of the training case history. Solving of situational problems. Writing out the prescriptions.

Technical training aids: multimedia presentations, atlases, case photos, training films 6 hours

**Lesson 3. Bullous dermatoses. Erythema multiforme**

Bullous dermatoses: pemphigus, bullous pemphigoid, dermatitis herpetiformis. Classification (ICD-10). Etiopathogenesis. Clinical manifestations. Diagnostics. Differential diagnostics. Treatment.

Erythema multiforme. Etiopathogenesis. Main clinical types. Features of Stevens-Johnson syndrome. Diagnostics. Treatment.

Practical skills: Obtaining of complaints, history of life and disease of dermatological patient. Examination of skin and mucosa of dermatological patient. Identification of skin lesions, description of cutaneous and mucosal manifestations. Interpretation of laboratory results. Proper choice of medical formulation for external use. Revelation of Nikolsky and Asboe-Hansen signs

Self-study: Examination of dermatological patients. Completion of the training case history. Solving of situational problems. Writing out the prescriptions.

Technical training aids: multimedia presentations, atlases, case photos, training films 6 hours

**Lesson 4. Primary and secondary syphilis.**

Syphilis: causative agent. Incubation period. Factors affecting its duration.

Primary syphilis. Clinical characteristics of different types of typical chancre, atypical and complicated chancres. Clinical features of chancres in different locations. Differential diagnostics. Chancre pathology. Clinical peculiarities of regional lymphadenitis and lymphangitis. Polyadenitis. Prodrome. Current trends in primary syphilis course.

Secondary syphilis. Duration. Course features. Classification (ICD-10) Secondary syphilis of the skin and mucosa lasting less than 4 months and more than 4 months. Differential diagnosis. Clinical and histopathologic characteristics of cutaneous and mucosal lesions of secondary syphilis.

Practical skills: Obtaining of complaints, history of life and disease of patient with sexually transmitted infection. Examination of skin and mucosa of patient with sexually transmitted infection. Identification of skin lesions, description of cutaneous and mucosal manifestations.

Self-study: Examination of patients. Completion of the training. Solving of situational problems. Writing out the prescriptions.

Technical training aids: multimedia presentations, atlases, case photos, training films 6 hours

### **Lesson 5. Tertiary, atypical, congenital syphilis. Diagnostics, treatment and prevention of syphilis**

Tertiary syphilis. Causes and terms of development. Clinical presentations of tertiary syphilis of skin and oral mucosa. The affection of internal organs by tertiary syphilis.

Congenital syphilis. Ways of transmission to fetus. Influence of syphilis on course and outcome of pregnancy. Classification (ICD-10). Affection of skin, mucosa, internal organs in patients with early and late congenital syphilis. Reliable and probable signs of late congenital syphilis. Diagnostics. Prevention.

Atypical course of syphilis: latent, malignant, transfusion syphilis. Differential diagnostics of early and late latent syphilis.

Serological diagnostics of syphilis: classical Wassermann test, precipitation-based tests (RPR, VDRL), ELISA (enzyme-linked immunosorbent assay), TPHA (passive hemagglutination), immobilization of *Treponema pallidum* test, IFA (immunofluorescence assay), and others. Clinical significance of serological tests for syphilis diagnosis and their interpretation.

Treatment of syphilis. General principles. The clinical protocol (guideline) of diagnostics and treatment of patients with sexually transmitted infections. Antisyphilitic drugs. Basic treatment regimens. Nonspecific therapy of syphilis. The conception of seroresistance. Peculiarities of late syphilis treatment and treatment of syphilis in pregnant women. Preventive treatment. Prophylactic treatment. Ex-juvantibus treatment.

Practical skills: Obtaining of complaints, history of life and disease of patient with sexually transmitted infection. Examination of skin and mucosa of patient with sexually transmitted infection. Identification of skin lesions, description of cutaneous and mucosal manifestations. Interpretation of laboratory results. Evaluation of rapid plasma reagin test results. Evaluation of passive hemagglutination test results.

Self-study: Examination of patients. Collection of the case history. Solving of situational problems. Writing out the prescriptions.

Technical training aids: multimedia presentations, atlases, case photos, training films 6 hours

### **Lesson 6. Gonococcal infection. Non-gonococcal diseases of urogenital tract**

Gonorrhea of male and female patients. Etiology. Ways of contamination. Infection source. Routes of gonococcal infection dissemination within the body Classification (ICD-10). Manifestations of different clinical types of gonorrheal urethritis in men. Complications of gonorrheal urethritis. Gonorrhea of lower and upper female urogenital tract. Extragenital and metastatic gonorrhea. Methods of laboratory diagnostics of gonococcal infection. Principles of general and topical therapy of gonococcal infection and its complications. The clinical protocol (guideline) of diagnostics and treatment of patients with sexually transmitted infections. Public and individual prevention of gonorrhea.

Non-gonococcal affection of genitalia. Classification (ICD-10). Etiopathogenesis. Epidemiology. Urogenital chlamydial infection. Urogenital mycoplasmal infection. Trichomoniasis. Clinical manifestations in male and female patients. Modern methods of laboratory diagnostics. Treatment of non-gonococcal affection of genitalia. Prevention.

Practical skills: Obtaining of complaints, history of life and disease of patient with sexually transmitted infection. Examination of skin and mucosa of patient with sexually transmitted infection. Identification of skin lesions, description of cutaneous and mucosal manifestations. Interpretation of laboratory results. Microscopic revelation of gonococcus

Self-study: Examination of patients. Collection of the case history. Solving of situational problems. Writing out the prescriptions.

Technical training aids: multimedia presentations, atlases, case photos, training films 6 hours

Head of Chair  
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