

**LIST OF LESSON TOPICS**  
FOR MEDICAL FACULTY FOR INTERNATIONAL STUDENTS (**DENTISTRY**)  
**6<sup>th</sup> SEMESTER** (SPRING)

**Lesson 1. Skin pathology. Principles of diagnostics in dermatology**

Causes of skin diseases. Basics of skin pathology.

Principles of examination of dermatological patients. Diagnostics in dermatology. Primary and secondary skin lesions. Peculiarities of diagnostics in children and elderly people

Laboratory and special methods of examination in dermatology.

*Practical skills:* Methodology of examination of dermatological patient. Collection of the case history. Identification of dermographism. Ability to distinguish skin lesions. Methodology of palpation, scraping, diascopy. Microscopy of histological specimens.

*Self-study:* Examination of dermatological patients. Solving of situational problems.

*Technical training aids:* multimedia presentations, atlases 3 hours

**Lesson 2. Principles of dermatological treatment.**

Formulations for topical therapy: solutions, powders, suspensions, creams, gels, pastes, ointments, plasters, lacquers, aerosols etc. Therapeutic indications. Contraindications.

Medicines for topical therapy – anti-inflammatory, resolving, keratolytic, antipruritic, caustic, antibacterial, antiviral, antifungal, antiparasitary etc. Therapeutic indications. Contraindications. Side effects.

Principles of general therapy in dermatology. Physical treatments in dermatology.

*Practical skills:* Techniques of application of formulations for topical therapy.

*Self-study:* Treatment of the skin of patients. Solving of situational problems. Writing out the prescriptions.

*Technical training aids:* multimedia presentations, atlases 3 hours

**Lesson 3. Pyodermas. Candidiasis**

*Pyodermas.* Etiopathogenesis. Epidemiology. Factors contributing to the development of pyodermas. Classification (ICD-10). Clinical features, diagnostics and treatment of superficial folliculitis and folliculitis, sycosis (folliculitis barbae), furuncle and furunculosis, carbuncle, pseudofurunculosis, hydradenitis, different kinds of impetigo and ecthyma, chronic ulcerative pyodermas, atypical forms. Peculiarities in elderly people. Pyodermas in newborn (pseudofurunculosis, pemphigus neonatorum, staphylococcal scalded skin syndrome). Prevention of pyodermas.

*Candidiasis* of the skin and mucosa. Causative agents. Pathogenesis. Epidemiology. Clinical presentations. Diagnostics. Differential diagnostics. Treatment. Prevention.

*Practical skills:* Methodology of intake of clinical sample for cultural examination. Methodology of topical treatment of patients with pyodermas and candidiasis.

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

*Technical training aids:* multimedia presentations, atlases, case photos 3 hours

**Lesson 4. Viral infections of the skin and mucosa.**

Herpes simplex and herpes zoster Etiopathogenesis. Epidemiology. Clinical presentations. Complicated and atypical forms. Diagnostics. General and topical therapy. Prevention.

Human papillomavirus infection. Warts. Etiopathogenesis. Epidemiology. Clinical forms. Condylomas acuminatum. Diagnostics. Treatment. Prevention.

Molluscum contagiosum. Etiopathogenesis. Epidemiology. Clinical presentations. Diagnostics. Treatment. Prevention.

*Practical skills:* Methodology of topical treatment of herpetic lesions and warts, removal of molluscum contagiosum elements.

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

*Technical training aids:* multimedia presentations, atlases, case photos 3 hours

**Lesson 5. Allergic dermatoses.**

*Dermatitis.* Etiopathogenesis. Classification (ICD-10). Allergic and irritant contact dermatitis. Clinical presentations. Diagnostics and differential diagnostics. General and topical treatment. Prevention.

Drug eruptions. Etiopathogenesis. Classification. Clinical types. Food-related and drug-related eruptions. Lyell's syndrome. Clinical features. Diagnostics and differential diagnostics. Treatment and prevention of different forms of drug eruptions. Urgent therapy of life-threatening forms.

Eczema. Etiopathogenesis. Classification. Clinical types and stages of eczema. Diagnostics and differential diagnostics. General and topical treatment in accordance with eczema stage. Prevention.

Practical skills: Technique of application of formulations for topical therapy. Calculation of SCORAD index.

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

Technical training aids: multimedia presentations, atlases, case photos 3 hours

**Lesson 6. 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: Revelation of Nikolsky sign, Asboe-Hansen sign. Iodine (Jadassohn) test in patients with dermatitis herpetiformis. Cytologic and histologic diagnostics of bullous dermatoses.

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

Technical training aids: multimedia presentations, atlases, case photos 3 hours

**Lesson 7. Lichen planus. Lupus erythematosus. Cheilites.**

Lichen planus. Etiopathogenesis. Clinical manifestations on skin and on oral mucosa. Diagnostics and differential diagnostics. Treatment. Relapses prevention.

Lupus erythematosus. Etiopathogenesis. Classification. Clinical manifestations on skin and on oral mucosa. Diagnostics and differential diagnostics. Treatment. Relapses prevention.

Cheilites. Primary cheilites (exfoliative, glandular, actinic, meteorological) and secondary (symptomatic). Clinical manifestations. Treatment. Prevention.

Practical skills: Revelation of "psoriatic triad", Wickham symptom, Besnier symptom, "lady-shoe" symptom, Nickolsky and Asboe-Hansen signs, intake of touch-smears, microscopy of specimens.

Self-study: Examination of dermatological patients. Treatment of the skin of patients. Solving of situational problems. Writing out the prescriptions.

Technical training aids: multimedia presentations, atlases, case photos 3 hours

Head of Chair  
of Skin and Venereal Diseases



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