

Preclinical Periodontology (V Semester - 3 credits)

The content of the course of Preclinical Periodontology is: structure of periodontal tissue, blood supply, lymphatic system, innervation, age-related changes in periodontium, periodontium and oral mucosa functions, basic concepts in periodontology; classification of periodontal diseases, etiology and pathogenesis of periodontal diseases; basic, supportive, clinical, X-ray, laboratory and functional methods of examination.

Thematic Plans of Lectures and Practical Sessions

Lectures (2 hours)

- 1 Anatomical and physiological peculiarities and functions of periodont and oral mucosa. Methods of examination of the patients with periodontal diseases.
- 2 Epidemiology, etiology, pathogenesis and classification of periodontal diseases.

Practical Sessions

(40 hours = 10 X 4 hours)

- 1-2 Structure, anatomy, histology, blood supply, lymphatic system and innervation of periodontal tissue.
- 3 Basic principles of periodontology, Age-related changes
- 4 Functions of periodontal tissue complex and oral mucosa and precursors for disturbances
- 5 Classification of Periodontal and Peri-implant Diseases and Conditions (2018); Classification of the vertical component lesions of furcation ; classification of gingival recession (Cairo F.); classification of vertical and horizontal types of alveolar bone loss.
- 6 Etiology of periodontal diseases, local and general factors, pathogenesis . Clinical interpretation of the importance of microbial flora at periodontal inflammatory diseases.
- 7 Clinical, X-ray and Laboratory examination methods for the patients with periodontal diseases. Interpretation and assessment of parodontogram dragged by "Florida probe".
- 8-9 Development of manual skills on the phantoms (probing periodontal pocket, measuring of tooth loosening degree and periodontal pocket depth)
- 10 Summative session , midterm-assesment

Clinical Periodontology

The content of the course of Clinical Periodontology: clinical manifestation, diagnosis and differential diagnosis of gingivitis, Necrotising periodontal diseases, periodontitis, periodontal abscesses, epulides, hereditary gingival fibromatosis, Papillon - Lefevre syndrome, decompensated diabetes mellitus, HIV / AIDS;

General principles and concepts of treatment of periodontal diseases; individual (personal) and professional oral hygiene; conservative treatment of periodontal inflammatory diseases - closed and one-moment curettage of periodontal pockets; medicamentous treatment; surgery, prosthodontic, orthodontic methods of treatment and physical therapy

Thematic Plans of Lectures and Practical Sessions

Lectures (7 hours)

1 Classification of periodontal and peri-implant diseases and conditions (2018).

Healthy gingiva and periodont. Catarrhal gingivitis (caused only by tooth plaque);

Hypertrophic gingivitis (gingival overgrowth– provoked by dental plaque factors and drug-induced gingival overgrowth). Acute necrotizing ulcerative gingivitis (necrotizing gingivitis). Chronic and chronic exacerbated necrotizing ulcerative gingivitis (necrotizing periodontitis).

2 Periodontitis. Stages, severities, spread, Papillon - Lefevre syndrome, decompensated

diabetes mellitus, HIV/AIDS, periodontitis, epulis (epulides), fibromatosis (hereditary gingival fibromatosis

3-4-5 Basic principles and characteristics for treatment of periodontal diseases. Conservative (non surgical) methods of treatment. Pharmacotherapy of periodontal diseases.

6 Surgical methods for treatment of periodontal diseases

7 Prosthodontic and physical therapy for management of periodontal diseases.

Practical Sessions

(60 hours = 15 X 4 hours)

1 Healthy gingiva and periodont (intact periodont, clinically intact (healthy) periodont, periodontal diseases in stabilization phase, periodontal diseases remission /control phase)

2 Catarrhal gingivitis (caused only by tooth plaque);

Hypertrophic gingivitis (gingival overgrowth– provoked by dental plaque and drug-induced gingival overgrowth). Acute necrotizing ulcerative gingivitis (necrotizing gingivitis). Chronic and chronic exacerbated

necrotizing ulcerative gingivitis (necrotizing periodontitis). Clinical manifestation, diagnosis, differential diagnosis

3-4 Periodontitis. Stages, severities, spread.. Clinical manifestation, diagnosis, differential diagnosis. Differences and similarities between gingivitis and periodontitis

5 Papillon - Lefevre syndrome, decompensated

diabetes mellitus, HIV /AIDS, epulis (epulides), fibromatosis (hereditary gingival fibromatosis)

6 General principles and concepts of periodontal diseases management, Development and sequence of treatment plan

7-8 Conservative methods of treatment of periodontal diseases

9-10 Pharmacotherapy of periodontal diseases (Periodontal pharmacotherapy)

11 Methods of Periodontal surgery

12 Selective grinding, splinting. Demonstration, indication and performance.

13 Physical methods for treatment of periodontal diseases

14 Characteristics of organization of periodontal disease's management, prevention and dispenserization

15 Final (summative) session,, midterm assessment

Oral Diseases

Contents of the study course of Oral Diseases include:

Classification of oral mucosa diseases; Traumatic injuries of oral mucous membrane, infectious and venereal diseases, mycosis, viral stomatitis; Alteration of oral mucous membrane diseases in patients with allergic diseases, dermatosis, organ and organ systems diseases, gastrointestinal tract and cardiovascular pathologies, endocrine and blood diseases, hypo- and avitaminosis, nervous system diseases; as well as tongue and lip diseases.

Thematic Plans of Lectures and Practical Sessions

Lectures (9 hours)

1 Structure and functions of oral mucous membrane. Clinical correlations. Morphological elements of lesions. Classification of oral diseases. Methods of patient's examination.

- 2 Traumatic injuries. Clinic, diagnosis, differential diagnosis, treatment.
- 3 Viral Stomatitis. Clinic, diagnosis, differential diagnosis, treatment.
- 4 Oral infectious diseases. Clinic, diagnosis, differential diagnosis, treatment.
- 5 Oral allergic and toxico-allergic diseases. Clinic, diagnosis, differential diagnosis, treatment.
- 6 Oral membrane injuries at exogenic intoxications, avitaminosis, organs and system diseases: clinic, diagnosis, differential diagnosis, treatment.
- 7 Oral injuries at system diseases and dermatosis. Clinic, diagnosis, differential diagnosis, treatment
- 8 Tongue independent diseases and anomalies.
- 9 Cheilitis. Precancer diseases. Clinic, diagnosis, differential diagnosis, treatment

Practical Sessions

(60 hours = 15 X 4 hours)

- 1-2 Morphofunctional characteristics of oral cavity. Structure, anatomy and functions of oral cavity. Blood supply and innervations of oral mucosa membrane. Morphological elements of lesions – clinical correlations.
- 3 Classification of oral diseases. Methods of examination of the patients with oral diseases
- 4 Oral traumatic injuries (mechanical, physical and chemical traumas), oral leukoplakia: Clinic, diagnosis, treatment
- 5-6 Viral diseases (herpes stomatitis, infectious mononucleosis, lichen planus, HIV/AIDS, influenza): Clinic, diagnosis, treatment
- 7 Vincent necrotising ulcerative gingivostomatitis (necrotic stomatitis, mycosis) Clinic, diagnosis, treatment
- 8-9 Allergic diseases (anaphylactic shock, Kwinke angioneurotic edema, medicamentous stomatitis, chronic recurrent aphthous stomatitis, exudative erythema), manifestations in oral cavity: Clinic, diagnosis, treatment
- 10 Pemphigus, pemphigoid, Lichen Ruber Planus (lichen planus). Clinic, diagnosis, treatment
- 11-12 Oral mucosa injuries at avitaminosis, gastrointestinal tract, endocrine, cardiovascular, collagenosis, blood-forming system and nervous diseases: Clinic, diagnosis, treatment
- 13 Tongue diseases: Clinic, diagnosis, treatment
- 14 Cheilitis (Exfoliative, glandular, contact-allergic, meteorological, actinic, Melkersson–Rosenthal syndrome, chronic chapped lips): Clinic, diagnosis, treatment
- 15 Summative session, Midterm assessment