Methodic elaboration № 1 (course III, semester V).

**Infection of maxillofacial region & neck.**

**Location of study:** Stomatological clinic.

**Purpose of the lesson:** Learn to examine the patients with this disease. Participate in examination of patients.

**Lesson plan:**
1. Verification of the level of knowledge - 30 min.
2. Examination of the patients – 30 min.
3. Attendance of the patients – 70 min.
4. Totalization of the lessons – 5 min.

**Questions for self-control:**
1. Definition of inflammatory process in maxillofacial region.
2. Statistical data of inflammatory process in maxillofacial region.
3. Classification of inflammatory process in maxillofacial region.
4. Definition of inflammatory process in maxillofacial region.
5. Definition of inflammatory process in maxillofacial region.
6. Pathological anatomy of inflammatory process in maxillofacial region.

Methodic elaboration № 2 (course III, semester V).

**Acute and chronic apical periodontitis: etiology, classification, clinical picture, treatment.**

**Location of study:** Stomatological clinic.

**Purpose of the lesson:** Learn to examine the patients with this disease. Participate in examination of patients.

**Lesson plan:**
1. Verification of the level of knowledge - 30 min.
2. Examination of the patients – 30 min.
3. Attendance of the patients – 70 min.
4. Totalization of the lessons – 5 min.

**Questions for self-control:**
1. Definitions
2. Etiology
3. Pathogenesis
4. Pathological anatomy
5. Classification
6. General and local clinical picture
7. Diagnostic
8. Treatment

Methodic elaboration № 3 (course III, semester V).


Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.
   2. Examination of the patients – 30 min.
   3. Attendance of the patients – 70 min.
   4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Definition of Odontogenic periostitis.
2. Role of oral microorganisms and anatomical features of the periosteum in development of odontogenic periostitis.
3. Pathological anatomy and pathogenetic relation with odontogenic periostitis,
   Spread of infection depending of the tooth roots.
4. The immune system and protection of the body from infection.
5. Statistics
6. Classification
7. Pathogenetic mechanism of spreading of infection
8. General and local clinical picture
9. Diagnostic
10. Differential diagnosis with acute pulpitis and periodontitis
11. General and local treatment:
   a) indications for tooth extraction
   b) features of periostotomiya
   c) drainage
   d) medicamentous therapy
   e) physiotherapy
12. Complications
13. Prophylaxy
Methodic elaboration № 4 (course III, semester V).

Difficulties of eruption of third molars. Etiology, pathogenesis, treatment, clinical picture.

Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.

2. Examination of the patients – 30 min.

3. Attendance of the patients – 70 min.

4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Complications of eruption of lower third molars
2. Statistics (frequency, age, sex, classification of complications)
3. Pathogenesis: predisposing and determine factors
4. Pathological anatomy
5. Clinic of complications: inflammatory complications, general, mechanical, neurological.
6. Clinic and treatment of serous pericoronitis.
7. Clinic and treatment of purulent pericoronitis.
8. Inflammation of the soft tissues.
9. Inflammation of the bone tissues.
10. General complications (thrombophlebitis, pulmonary complications)
11. Treatment depending of topography of the tooth & clinical form
12. Treatment of mechanical and neurological complications.
13. Features of extraction of the lower third molars, incision, remove of odontoclamis, tooth extraction
14. Prophylaxy of general and local complications.

Methodic elaboration № 5 (course III, semester V).

Definition of osteomyelitis of the jaws: statistics, classification, etiopathogenesis, role of oral microflora & teeth, anatomico-morphological features of the jaws in development of osteomyelitis.

Location of study: Stomatological clinic.
Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.

2. Examination of the patients – 30 min.

3. Attendance of the patients – 70 min.

4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Definition of osteomyelitis & odontogenic osteomyelitis.
2. Anatomico- morphological features of the jaws
3. Location of the tooth roots against cortical plate.
4. Classification of odontogenic osteomyelitis:
   a) Anatomo-clinical
   b) etiopathogenetic
5. Etiology of odontogenic osteomyelitis- factors
6. Ways of infection spreading
7. Contemporary picture of the pathogenesis
8. Theories of pathogenesis:
   a) Inflammatory- embolic (Lexer-Bobrov)
   b) allergic (Arthus, Sakharov, Derizhanov)
   c) neurotrophic (Semenchenko)
   d) immune (Solovyov)
9. The role of local and general immunity in development of odontogenic osteomyelitis.
10. Pathogenetic mechanisms spreading of infection

Methodic elaboration № 6 (course III, semester V).

Course of odontogenic osteomyelitis by phase of development. The clinical picture of acute osteomyelitis.

Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.

2. Examination of the patients – 30 min.
3. Attendance of the patients – 70 min.
4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Types of inflammation of acute odontogenic osteomyelitis:
   a) serous, b) fibrous, c) pseudomembranous, d) haemorrhagic, e) catarrhal, f) purulent inflammation.
2. Etiology and pathogenesis of acute odontogenic osteomyelitis.
3. Evolution to chronic phase.
4. Evolution to recovery.
5. Clinical forms of acute odontogenic osteomyelitis.
7. Local clinical symptoms of acute odontogenic osteomyelitis.
8. Diagnostics of acute odontogenic osteomyelitis.
9. X-ray picture of acute odontogenic osteomyelitis.

Methodic elaboration № 7 (course III, semester V).

Subacute and acute phase of odontogenic osteomyelitis.

Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.
2. Examination of the patients – 30 min.
3. Attendance of the patients – 70 min.
4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Etiology and pathogenesis of subacute odontogenic osteomyelitis.
2. Etiology and pathogenesis of chronic odontogenic osteomyelitis.
3. Classification of chronic odontogenic osteomyelitis.
5. Clinical picture of subacute odontogenic osteomyelitis.
6. Diagnostics of subacute odontogenic osteomyelitis.
7. Diagnostics of chronic odontogenic osteomyelitis.
8. X-ray picture of chronic odontogenic osteomyelitis.
9. General and local clinical symptoms of chronic odontogenic osteomyelitis:
   a) Purulent chronic odontogenic osteomyelitis
   b) Sclerogenic chronic odontogenic osteomyelitis
   c) Osteomyelitis Garre (peripheral subperiosteal overlay of the bone).
Methodic elaboration № 8 (course III, semester V).

General and local treatment of the patients with acute odontogenic osteomyelitis.

Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.

2. Examination of the patients – 30 min.

3. Attendance of the patients – 70 min.

4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Indications for hospitalization. Diet.
2. Surgical treatment:
   a) causal tooth
   b) opening of abscess (intraoral and extraoral)
   c) drainage (forms, purpose, replacement time)
   d) lavage
   e) drainage characteristics depending of the forms of osteomyelitis.
3. Conservative treatment:
   a) Antibiotics
   b) Antiseptics
   c) Enzymes
   d) other medicaments
4. Physiotherapy
5. Sanation of oral cavity its role in the treatment and prophylaxy.

Methodic elaboration № 9 (course III, semester V).

General and local treatment of subacute and chronic odontogenic osteomyelitis.

Rehabilitation of patients with odontogenic osteomyelitis.

Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.
2. Examination of the patients – 30 min.

3. Attendance of the patients – 70 min.

4. Totalization of the lessons – 5 min.

**Questions for self-control:**

1. Indications for general & local treatment in subacute and chronic phase.
2. Surgical methods of treatment:
   a) Corticotomy
   b) Partial decortications (Obwegeser)
   c) Sequestrectomy
3. Sequestrectomy:
   a) The determination of the value & form of sequester by X-Ray
   b) Methods of anesthesia
   c) Location and length of the incision
   d) Tooth extraction
   e) Operation technique
   f) Local treatment with antibiotics, antiseptics and enzymes
4. Nursing care after surgical manipulations
5. Medicamentous therapy in osteomyelitis in the subacute & chronic phase
6. Physiotherapy
7. Methods of the treatment of osteomyelitis Garre
8. Prophylaxis of osteomyelitis in chronic & subacute phase
9. Prophylaxis of complications in osteomyelitis in the subacute & chronic phase
10. Definition of rehabilitation
11. Basic principles of rehabilitation
12. Medical rehabilitation (Physiotherapy, social rehabilitation, psychotherapeutic, medical gymnastics, plastic operations).
13. Medical examination.

**Methodic elaboration № 10 (course III, semester V).**

**Role of intermuscular & interfascial spaces of head, face and neck in spread of infection in maxillofacial region. Ways of spreading.**

**Location of study:** Stomatological clinic.

**Purpose of the lesson:** Learn to examine the patients with this disease. Participate in examination of patients.

**Lesson plan:** 1. Verification of the level of knowledge-30 min.

2. Examination of the patients – 30 min.

3. Attendance of the patients – 70 min.
4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Ways of spreading of odontogenic infection in the soft tissue.
2. Spreading of odontogenic infection depending of anatomotopographic features of tooth roots.
3. Classification intermuscular & interfascial spaces of face and neck.
4. Predisposition of the soft tissues & features of perimandibular spaces in appearance of odontogenic infection.
5. Main principles of the structure intermuscular & interfascial spaces of face and neck, reasons of localization of inflammatory processes:
   a) by regions b) superficial and deep c) resistance of adipose tissues & conjunctive tissue d) tissue necrosis e) the presence of vessels & lymph nodes

Methodic elaboration № 11 (course III, semester V).


Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.

   2. Examination of the patients – 30 min.

   3. Attendance of the patients – 70 min.

   4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Definition of abscess and phlegmon.
2. Predisposing and determining factors in appearance of abscess and phlegmons.
3. The mechanism of appearance of odontogenic infection.
4. General clinical picture: a) temperature b) headache c) anorexia d) insomnia e) vegetative symptoms f) blood test
5. Local clinical picture: a) local pain b) edema c) function changes d) local increase of temperature.
6. Principles of diagnosis odontogenic infection of perimandibular regions: a) determining the severity of disease b) the evolution of defense mechanisms d) determination of local treatment e) surgical treatment f) conservative treatment g) consequence of treatment.
Methodic elaboration № 12 (course III, semester V).

Superficial perimandibular abscess & phlegmons.

Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examinate the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.

2. Examination of the patients – 30 min.

3. Attendance of the patients – 70 min.

4. Totalization of the lessons – 5 min.

Questions for self-control:

10. The ways of spreading of infection (bone, submucosal, lymphatic hematogenic and direct).

Methodic elaboration № 13 (course III, semester V).

Local and general clinical picture, pathological anatomy, topography of abscess and flegmons: submandibular, submental, sublingual and jugal regions. Diagnostics and treatment.

Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examinate the patients with this disease. Participate in examination of patients.
Lesson plan: 1. Verification of the level of knowledge-30 min.

2. Examination of the patients – 30 min.

3. Attendance of the patients – 70 min.

4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Topographic anatomy: submandibular, submental, sublingual and jugal regions.
2. The ways of spreading of infection.
3. Role of intermuscular and interfascial spaces in spreading of infection.
6. Complications of abscess and flegmon of these regions.

Methodic elaboration № 14 (course III, semester V).


Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.

2. Examination of the patients – 30 min.

3. Attendance of the patients – 70 min.

4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Abscess of perimandibular region: vestibular, submucosal and semilunar.
9. Complication prophylaxis of abscess and flegmons of this regions.
Methodic elaboration № 15 (course III, semester V).

Local and general clinical picture, pathological anatomy, topography of abscess and flegmons of periharyngeal region, mouth cavity floor and neck. Diagnostics and treatment.

Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.
   2. Examination of the patients – 30 min.
   3. Attendance of the patients – 70 min.
   4. Totalization of the lessons – 5 min.

Questions for self-control:

1. Extensive flegmons of mouth cavity floor, purulent necrotic Ludwig's angina: etiology(anaerobic), topography, general clinical picture, laboratory dates, treatment and prophylaxy.
3. Complications of abcess and flegmons of this region.
4. Prophylaxy of complications.

Methodic elaboration № 16 (course III, semester V).

Local and general clinical picture of hemifacial flegmon. Surgical and conservative treatment of perimandibular abscess and flegmons. Particularities of extraction of reason tooth, anesthesia. Instruments.

Location of study: Stomatological clinic.

Purpose of the lesson: Learn to examine the patients with this disease. Participate in examination of patients.

Lesson plan: 1. Verification of the level of knowledge-30 min.
   2. Examination of the patients – 30 min.
   3. Attendance of the patients – 70 min.
   4. Totalization of the lessons – 5 min.
Questions for self-control:

1. The deep spaces of maxillofacial region.
2. Diffuse inflammatory processes, definition.
3. The main factors that participate in spreading of infection.
4. Hemifacial flegmon.
6. Preparation of the patient surgical operation (general, local, psychological and medicamental).
7. The choice of anesthesia method and anesthetic solution.
8. Basic principles of incision (length and depth, esthetic & anatomic requirements for incision depending of vessels and nerves).
9. Curettage of purulent wound.
10. Drainage.

Methodic elaboration (course III, semester VI).

3.4.1. Local complication of maxillae-facial inflectional processes. 3.4.2. General complication of maxillofacial infection processes. Medical rehabilitation of the patients with inflammatory processes.
3.4.3. Anatomy and classification of the pathology processes of cervico-facial lymphatic system. Acute and chronic lymphangitis. 3.4.4. Limphadenitis: etiopathogenesis, symptomatology, clinical forms, treatment, prophylaxis.
3.4.5. Adenoabscusses: etiopathogenesis, symptomatology, clinical forms, treatment, prophylaxis.
3.4.6. Furuncle and carbuncle of the neck and face.
3.4.7. Cervico-facial inflectional diseases: actinomycosis, syphilis, tuberculosis.
3.4.12. Chronic Sialodenites: etiopathogenesis, symptomatology, clinical forms, treatment, diagnoses. Specific chronic and allergic sialodenites.
3.4.15. Surgical treatment of apical parodontics.
3.4.16. Surgical methods for preparing of oral cavity by dental prosthetic surgical methods.
3.4.17. Feeling in observational paper of thematic patients.