„NICOLAE TESTEMIŢANU"

PI STATE UNIVERSITY OF MEDICINE AND PHARMACY

FACULTY OF DENTISTRY

DEPARTMENT OF ORO-MAXILLOFACIAL SURGERY

AND ORAL IMPLANTOLOGY „ARSENIE GUTAN"

TEACHING GUIDE

Subject: Oral and maxillofacial infections

Type of subject: Compulsory

Code of subject: S.06.O.066.

ORAL AND MAXILLOFACIAL INFECTIONS

(practical work)

 3rd year, 6th semester

 (2018-2019)

Lesson plan No. 1 (3rd year, 6th semester)

**Theme:** Etiology and pathogenesis of infections in the OMF (oral and maxillofacial) region.

**Place of practical work:** Clinical settings of the department.

**Purpose of practical work:** To examine the patients suffering from these diseases.

**Practical work plan***:* 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. Anatomical particularities of the oral and maxillofacial region.

2. Definition of „infection” term.

3. Classification.

4. The incidence, severity and morbidity.

5. Etiology.

6. The anatomic routes of potential spread of infection.

6. Clinical evolution.

7. Diagnosis principles of infection diseases.

**Practical Modalities:**

1. The patient examination.

## **Bibliography**

1. Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 2 (3rd year, 6th semester)

Theme: Apical acute and chronic periodontitis.

**Place of practical work**: Clinical settings of the department.

**Purpose of practical work:**To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

Practical work plan: 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

Questions:

1. Apical periodontitis. Definition.Classification and frequency.

2. Apical periodontitis. Etiology, pathogenesis and pathological anatomy.

3. Clinical evolution in acute purulent peridontitis.

4. Clinical evolution and diagnosis in chronic apical periodontitis.

5. Differential diagnosis of acute and chronic apical periodontitis.

6. General treatment of acute and chronic periodontitis.

7. Surgical treatment of apical periodontitis:

- apicoectomy;

- hemisection;

- amputation;

8. Prevention of apical periodontitis.

**Practical Modalities***:*

1. The patient examination and the establishing plan of treatment.

2. To make a local aneshtesia

3. To extract a tooth

4. To participate as an assistant at the surgery of apicoectomy,root hemisection and root amputation.

Bibliography

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 3 (3rd year, 6th semester)

Theme: Odontogenic periostitis (subperiosteal abscess). Inflammatory complications of dental eruption.

**Place of practical work**: Clinical settings of the department.

**Purpose of practical work:**To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

Practical work plan: 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

Questions:

1.Odontogenic subperiosteal abscess. Definition. Classification.

2. The role of microflora the oral cavity, bacterial virulence pathobiology and anatomical specifications of pereostium from mandible and maxilla in the odontogenic osteitis evolution.

3. Pathological anatomy. Patogenic mechanism in spreading of the osteitis infection.

4. Clinical picture and differential diagnosis of pereostitis.

5. Local and general treatment (indications for causal tooth extraction, periostotomy, drainage, local and general pharmacotherapy, physiotherapy).

6. Emergency rasings of lower-minded molars.

7. Pathogenesis (predisposant and determinantive factors).

8. Clinical studys of complications: inflammatory, general, mechanical, nerve complications.

9. Congestive and supurative pericoronaritis (clinical forms). Clinical picture and treatment.

10. Local complications - (suppurations of soft teasuses, suppurations of bone and periostium).

11. General complications (thrombophlebitis, pulmonary complications).

12. Treatment according to the variety of complications and anatomic location of molar: incision, extraction.

**Practical Modalities***:*

1. The patient examination and the establishing plan of treatment.

2. To make the aneshtesia (mandibular)

3. To participate as an assistant for atipic axtraction of 3rd molar tooth.

4.To make an incition in supurative pericoronaritis

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 4 (3rd year, 6th semester)

**Theme:** Odontogenic osteomyelitis.

**Place of practical work**: Clinical settings of the department.

**Purpose of practical work:**To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

**Practical work plan:**1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. The definition and classification of odontogenic osteomyelitis.

2.The role of microflora in the anatomical particularities of the jaws in the development of osteomyelitis. Phase evolution of odontogenic osteomyelitis.

3. Etiology, role of local and general immunity in the development of osteomyelitis.

4. Theories of pathogenesis of odontogenic osteomyelitis: inflammatory-embolic (Bobrov-Lexer), sensitivities (Artius, Saharov, Derijanov), neuro-reflective disbalance (Semencenco).

5. General and local clinical symptoms of acute odontogenic osteomyelitis. Radiological picture in acute odontogenic osteomyelitis.

6. Etiology and pathological anatomy, clinical picture of subacute odontogenic osteomyelitis.

7. Classification (purulent, sclerosing, hyperplastic Garre), etiology and pathological anatomy, clinical picture of chronic odontogenic osteomyelitis. Radiological picture in chronic odontogenic osteomyelitis.

8. Differencial diagnosis between chronic and acute odontogenic osteomelites and other similar disease.

9. Local and general treatment indications in acute, subacute and chronic odontogenic osteomelites.

10. Prophylaxis of chronic odontogenic osteomyelitis and its complications.

11. Basic principles of rehabilitation of patients with odontogenic osteomyelitis.

**Practical Modalities:**

1 The patient examination and the establishing plan of treatment.

2. Dressing patients with inflammatory processes.

**Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

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Lesson plan No. 5 (3rd year, 6th semester)

Theme: The abscesses and phlegmones of OMF and cervical region.

**Place of practical work**: Clinical settings of the department.

Purpose of practical work: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

Practical work plan: 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

Questions:

1. Etiology, pathogenesis, general characteristic of inflammatory processes in the OMF region. The definition of „cellulite”, „abscess” and „phlegmon”.

2. The role of interfacial and intermascular spaces from head and neck in spreading infection in soft the maxillofacial tissues. Ways of spreading infection.

3. Classification of interfacial and intermuscular spaces from face and neck (superficial, deep, by regions).

4. Soft tissues location and perimaxillar spaces structure in diffusion of odontogenic infections. 5. Basic principles in interfacial and intermuscular spaces distribution, causes of inflamtor processes localiazation (by regions, stratificated (superficial, deep), direct communication, through the vascularnervous packets, presence of vessels and lymph nodes, rezistence of conjuctive-adiposus tissue.

6. General clinical symptoms: fever, headache, loss of working capacity, illness, loosin appetite, insomnia, insomnia, blood picture.

7. Local clinical symptoms: local pain, edema, colour change (palid or hyperemic) functions disorders, local fever.

8. Diagnosis principles in perimaxillar inflammatory processes, causes by tooth: determining infection gravity, evolution of defence mechanisms state,Necessary competence to make surgeocal operation (polyclinic or hospital), Surgeocal treatment,Drug treatment,Following the clinical treatment.

**Practical Modalities***:*

1 The patient examination and the establishing plan of treatment.

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

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7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 6 (3rd year, 6th semester)

Theme: General and local characteristics of the abscess of perimaxiallar spaces.

Purpose of practical work: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

Practical work plan: 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

Questions:

1. The general characteristic of superficial and deep lodges perimaxial infectious processes. Principles of diagnosis and treatment.

2. Surgical and conservative treatment of perimaxiallar infectious processes.

3. The abscess of infraorbital space. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

4. The abscess of orbital region. Etiopathogenesis, topography, clinical picture, differential diagnosis, treatment.

5. The abscess of palatine region. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

6. The abscess of infratemporal space. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

7. The abscess of ptergopalatine space. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

**Practical Modalities***:*

1. The patient examination and the establishing plan of treatment

2. To make a local anesthesia.

3. Opening of an abscess through intrabucal access mod.

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 7 (3rd year, 6th semester)

**Theme**: The abscesses of perimandibular space.

**Place of practical work**: Clinical settings of the department.

Purpose of practical work: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

**Practical work plan***:* 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. The general characteristic of superficial and deep lodges perimandibular infectious processes. Principles of diagnosis and treatment.

2. The abscess of submandibular space. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

3.The abscess of submental space. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

4. The abscess of sublingual space. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

5. The abscess of mandibular-lingual space. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

6. The abscesses of jugal space. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

7. The abscess of submasseteric space. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

8. The abscess of pterygomandibular space. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

9. The complications of perimandibular infectious processes.

**Practical Modalities:**

1. The patient examination and the establishing plan of treatment.

2. Dressing patients with inflammatory processes.

3. Anesthesia’s particularities and causal tooth extraction.

**Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 8 (3rd year, 6th semester)

## **Theme:** Absceses of laterofaringian, parotid, retromandibular, temporal and lingual spaces.

**Place of practical work**: Clinical settings of the department.

## **Purpose**: Investigation of patients with the inflammatory diseases. Diagnostic stability and the composition of the treatment plan. Practically attends reception patients and their registration in notebooks.

Practical work plan: 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

## **Questions:**

## 1. Lateral pharyngeal space abscess. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

## 2. Parotidian space abscess. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

## 3. Retromandibular space abscess. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

## 4. Temporal space abscess. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

## 5. Lingual abscess. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

## 6. The particularities of anesthesia and extraction of causal teeth.

## 7. Possible complications of lateral pharyngeal, parotidian, retromandibular, temporal and lingual abscess.

**Practical Modalities:**

1. The patient examination and the establishing plan of treatment.

2. Dressing patients with inflammatory processes.

## 3. Anesthesia’s particularities and causal tooth extraction.

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 9 (3rd year, 6th semester)

**Theme**: General and local clinical picture of hemifacial phlegmon. Anaerobic phlegmon.

**Place of practical work**: Clinical settings of the department.

Purpose: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

**Practical work plan:** 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. Definition of diffuse suppuration. The main factors leading to diffuse suppuration.

2. Hemifacial phlegmon: interested spaces in this phlegmon, etiopathogeny, general and local clinical symptoms, laboratory data, diagnosis and treatment.

3. Surgical treatment indications and patient preparation for surgical operation.

4. Preanesthesia, anesthesia selection and anesthesia technics.

5. Basic principles in making incisions (esthetic, regional, dimension and deepness of incisions depending on the nerve and blood vassels topography).

6. The particularities of clinical evolution of anaerobic phlegmon. Etiopathogenesis, diagnosis, local and general treatment.

**Practical Modalities**

1. The patient examination and the establishing plan of treatment.

2. Dressing patients with inflammatory processes.

3. Anesthesia’s particularities and causal tooth extraction. Instruments.

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

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6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

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Lesson plan No. 10 (3rd year, 6th semester)

## **Theme**: Phlegmon of the bucal floor and neck spaces. Intensive therapy of patients with inflammatory diseases.

**Place of practical work**: Clinical settings of the department.

Purpose: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

## **Practical work plan***:*1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

## **Questions:**

## 1. Bucal floor phlegmon: interested spaces in this phlegmon, etiopathogenesis, general and local clinical symptoms, laboratory data, diagnosis and treatment.

## 2. Neck spaces phlegmons. Etiopathogenesis, topography, clinical picture, differential diagnosis and treatment.

## 3. Patient preparation for surgical operation (psychological, drug, general and local preparation).

## 4. Selection of anesthesia and methods of anesthesia.

## 5. Intensive therapy of patients with inflammatory diseases.

**Practical Modalities:**

## 1 The patient examination and the establishing plan of treatment.

2.Dressing patients with inflammatory processes

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 11 (3rd year, 6th semester)

## **Theme**: Facial furuncles and carbuncles.

**Place of practical work**: Clinical settings of the department.

Purpose of practical work: During the practical lessons students learn etiology, symptomatology and treatment of furuncle and carbuncle. To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

Practical work plan:1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

## **Questions:**

## 1.The skin as a natural barrier against pyodermal infection.

## 2. Mechanism of triggering infection in the skin follicle.

## 3. Furuncle and carbuncle: etiology and risk factors. Classification of evolution.

## 4. Facial furuncles location.

## 5. Furuncles: causes, evolution, symptoms and treatment.

## 6 . Carbuncles: causes, evolution, symptoms and treatment.

## 7. Possible complications in the furuncle and carbuncle.

## 8. Specific treatment of patients with furuncle and carbuncle of maxillofacial localization.

## 9. The prevention of the furuncle and carbuncle.

**Practical Modalities:**

## 1. The patient examination and the establishing plan of treatment.

## 2. Dressing patients with inflammatory processes

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 12 (3rd year, 6th semester)

**Theme**: The general and local possible complications in oral and maxillofacial infection processes.

**Place of practical work**: Clinical settings of the department.

Purpose of practical work: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

Practical work plan:1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. The general and local complicasions in oral and maxillofacial infection processes.

2. Septic thrombophlebitis. Etiopathogenesis, symptoms, differential diagnosis and treatment.

3. Purulent trombophlebitis of facial veins: Etiopathogenesis, symptoms, differential diagnosis and treatment.

4.Cavernous sinus thrombosis and other intracranial infection. Etiopathogenesis, symptomatology, differential diagnosis and treatment.

5. Sepsis and septicemia. Causes, symptoms, diagnosis and treatment.

6. Mediastenitis. Causes, symptoms, diagnosis and treatment.

7. Deformation of mandible. Pseudoarthrosis. Long- term trismus and ankylosis.

8. The fistula of the face and neck.

9. Trigeminal and facial nerve disorders.

10. Other local complications (phonetic, glutition, gustative, etc.).

**Practical Modalities:**

1. The patient examination and the establishing plan of treatment.

2. Dressing patients with inflammatory processes

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: Гэотар Медия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 13 (3rd year, 6th semester)

**Theme:** Anatomy and classification of pathological processes of cervico-facial lymphatic system. Acute and chronic lymphadenitis.

**Place of practical work**: Clinical settings of the department.

Purpose of practical work: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

**Practical work plan:** 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. The histological notions of the lymph nodes - the outer lining of the lymph (capsule), the cortical and its structures (the lymphatic follicles, the cortical sinuses, the capsule's conjunctival extensions), the consisting of the limphatic ganglion membrane, follicular prolongations, medullary sinuses.

2. Physiological functions of the lymph nodes: lymphocytophotic function, immunologic function, filtring function.

3. The topographic anatomy of the lymph nodes in the cervico-facial region.

4. Patological processes classification of lymphatic cervico-facial system.

5. Acute and chronic adenitis: symptomatology, differential diagnosis, treatment principles.

6. Special features of adenophlegmon evolution in the OMF region: etiology, pathogenesis, clinical picture and treatment.

7. Acute submandibular adenitis: etiopathogenesis, symptomatology, diagnosis, treatment.

8. Parotid acute and chronic adenitis: etiology, symptoms, differential diagnosis and treatment.

9. Acute and chronic retromandibular adenitis: symptomatology, differential diagnosis and treatment.

**Practical Modalities:**

1. The patient examination and the establishing plan of treatment.

2. Dressing patients with inflammatory processes

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

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7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 14 (3rd year, 6th semester)

**Theme**: Cervicofacial specific infectious diseases: actinomycosis, syphilis and tuberculosis.

**Place of practical work**: Clinical settings of the department.

Purpose of practical work: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

**Practical work plan:** 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. Cervicofacial actinomycosis:

- etiopathogenesis, microbiology, pathological anatomy,

- classification according to clinical forms and location

- diagnosis, differential diagnosis and treatment.

2. Cervicofacial tuberculosis: microbiology, etiopathogenesis, pathological anatomy, classification, primary tuberculosis, clinical forms, symptoms, diagnosis and treatment,

- secondary tuberculosis (ulceration, TBC goma, TB lupus), symptomatology, diagnosis, treatment.

3. Cervicofacial syphilis: microbiology, etiopathogenesis, patanoma elements in primary, secondary and tertiary form, clinical picture, diagnosis, maxillar bone syphilis.

**Practical Modalities:**

1. The patient examination and the establishing plan of treatment.

2. Dressing patients with inflammatory processes.

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 15 (3rd year, 6th semester)

**Theme**: Odontogenic maxillary sinusitis. Management of oro-antral communication and fistula. **Place of practical work**: Clinical settings of the department.

Purpose of practical work: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

**Practical work plan:**1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. Anatomy and physiology of the maxillary sinuses. The relation of the maxillary sinus to the roots of the upper teeth.

2. Acute odontogenic sinusitis. Etiopathogenesis, symptoms, differential diagnosis and treatment. Complications. Prevention.

3. Chronic odontogenic maxillary sinusitis: causes, symptoms, diagnosis, differential diagnosis and treatment.

4. The Caldwell-Luc radical antrostomy. Tecnique.

5. Oro-antral communication and fistula. Etiology, clinical evolution, diagnosis, treatment.

**Practical Modalities:**

1. The patient examintion and the establishing plan of treatment.

2. Dressing patients with inflammatory processes.

3. To make the locoregional anesthesia.

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 16 (3rd year, 6th semester)

**Theme**: Salivary gland diseases.

**Place of practical work**: Clinical settings of the department.

Purpose of practical work: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

**Practical work plan:**1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. The anatomy and physiology ofsalivary glands (parotid, submandibular, sublingual and minor salivary glands).

2. The composition, function and role of saliva in maintaining oral health (protective functions, water balance, excretory functions, digestive functions, antibacterial properties, maintenance of pH ,hormonal function ...).

3. Salivary gland diseases. Classification.

4. Methods for the examination of the salivary gland (the bacteriological test, sialografia, X-ray, ultrasound, magnetic resonance imaging, scintigraphy, cytology).

5. Sialodochitis: causes, symptoms, evolution, treatment.

6. Acute sialodenitis (parotid glands, submandibular glands): etiopathogenesis, microbiology, pathological anatomy, differential diagnosis, treatment.

7. Chronic inflammation of salivary glands. Etiopathogenesis, pathological anatomy, differential diagnosis.

8. Clinical forms chronic parotiditis (parenchyma, interstitial, simple, recurrent), clinical evolution, diagnosis, differential diagnosis, treatment.

9. Specific chronic saliodenitis: etiopathogenesis, symptomatology, differential diagnosis.

**Practical Modalities:**

1. The patient examintion and the establishing plan of treatment.

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 1 7 (3rd year, 6th semester)

**Theme**: Sialolithiasis (salivary gland calculi or stones).

**Place of practical work**: Clinical settings of the department.

**Purpose of practical work:** In the practical work, students learn etiology, pathogeny, symptoms, diagnosis and treatment of sialolithiasis. They participate in the patients examination and register the work done.

**Practical work plan:** 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. Sialolithiasis (definition, causes, pathogeny, pathological anatomy, epidemiology)

2. Clinical picture in localization stones:

- in the submandibular gland ( latency period, salivary colic, salivary abscess, salivary tumor),

-in the parotid gland,

-in the sublingual gland,

- in the salivary duct.

3. Diagnostics sialolithiasis: characteristic history and physical examination, plain radiograph, magnetic resonance imaging (MRI), computed tomography (CT), sialography, ultrasound and bacteriological examination.

4. Evolution and possible complications. Prevention.

5. Conservative and surgical treatment (surgical removal of gland/stone). Side effects.

**Practical Modalities:**

1. The examintion of the patient with sialolithiasis and the establishing plan of treatment.

2.To make the infiltration anesthesia

3. Asistation in surgical removal of stone out of salivary duct

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

5. Робустова Т. Г. Хирургическая стоматология и челюстно-лицевой хирургия.Москва: ГэотарМедия, 2010.

6. Шаргародский А.Г. Воспалительные заболевания тканей челюстно-лицевой области. Москва, 2001.

7. Бернадский Ю. И. Основы челюстно-лицевой хирургии и хирургической стоматологии, 3-e изд. Перераб. и доп. Москва: Медицинская литература, 2007.

Lesson plan No. 18 (3rd year, 6th semester)

**Theme:** Salivary fistulas. Sialosis.

**Place of practical work**: Clinical settings of the department.

Purpose of practical work: To examine the patients suffering from these diseases. Establish the diagnosis and to set up the treatment plan. To participate into the patients examination process and to register them into the notebooks.

Practical work plan: 1. Discussions - 45 min.

2. Clinical case presentation - 35 min.

3. Medical simulation- 35 min.

4. Generalization - 20 min.

**Questions:**

1. Secretory dysfunctions: (salivation, ptyalism, hyposalivation).

2. Salivary fistula (etiology, symptomatology, diagnosis, treatment).

3. Mikulicz sindrome (pathogenesis, symptomatology, diagnosis, treatment).

4. Sjogren's syndrome (pathogenesis, symptomatology, treatment)

5. Sialosis: (endocrine, nutritional disorders, toxic).

**Practical Modalities:**

1. The patient examintion and the establishing plan of treatment.

2. To make local anesthesia.

## **Bibliography**

1.Teaching resources.

2. Bucur A. Compendiu de chirurgie oro-maxilo-facială. Bucureşti, 2009.

3. Miloro M., Ghali G.E., Larsen P.E., Waite P.D. Peterson’s principles of oral and maxillofacial surgery, BC Decker, 2004.

4. HuppJames R., Ellis III Edward, Tucker Myron R. Contemporary Oral and Maxillofacial Surgery. Fifth Edition. Mosby Elsevier, 2008.

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