



## FACULTY OF DENTAL MEDICINE DEPARTMENT OF ORAL SURGERY

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### Examination syllabus Oral and Maxillofacial surgery for students 5<sup>th</sup> year

1. Abscesses and cellulitis of the face – anatomy, clinical signs, differential diagnosis. Treatment.
2. Maxillary abscesses and cellulitis – anatomy, clinical signs, differential diagnosis. Treatment.
3. Abscesses and cellulitis around the mandible - anatomy, clinical signs, differential diagnosis. Treatment.
4. Abscesses and cellulitis of the tongue, floor of the mouth, parapharyngeal space - anatomy, clinical signs, differential diagnosis. Treatment.
5. Acute osteomyelitis of the jaws - clinical signs, differential diagnosis. Treatment.
6. Chronic osteomyelitis of the jaws - clinical signs, differential diagnosis. Treatment.
7. Acute nonspecific lymphadenitis in the maxillofacial area. Clinical signs, differential diagnosis. Treatment.
8. Chronic nonspecific lymphadenitis in the maxillofacial area. Clinical signs, differential diagnosis. Treatment.
9. Acute odontogenic sinusitis. Clinical signs, differential diagnosis. Treatment.
10. Chronic odontogenic sinusitis. Clinical signs, differential diagnosis. Treatment.
11. Syphilis. Classification. Clinical signs, methods of diagnosis, differential diagnosis. Treatment. Prophylaxis.
12. Tuberculosis. Classification. Clinical signs, methods of diagnosis, differential diagnosis. Treatment. Prophylaxis.
13. Actinomycosis. Classification. Clinical signs, methods of diagnosis, differential diagnosis. Treatment. Prophylaxis.
14. HIV/AIDS - clinical signs in oral cavity, methods of diagnosis, treatment, prophylaxis.
15. Life threatening complications associated with abscesses and cellulitis (mediastinitis, facial vein thrombosis, cavernous sinus thrombosis, brain abscesses, others). Clinical signs, methods of diagnosis, differential diagnosis, treatment.
16. Odontogenic sepsis. Clinical signs, methods of diagnosis, differential diagnosis, treatment.
17. Treatment of acute inflammation from dental origin - basic surgical principles. Types of incisions and drainage systems.
18. Treatment of acute inflammation from dental origin – basic principles of medication. Antibacterial drugs. Prescription.
19. Treatment of acute inflammation from dental origin – basic principles of medication. Nonsteroidal anti-inflammatory drugs (NSAIDs), antihistamines, immunotherapy. Prescription.
20. Soft tissue cysts in oral cavity and maxillofacial area. Classification. Clinical signs, methods of diagnosis, differential diagnosis. Treatment.
21. Cysts of the jaws. Classification. Etiology and pathogenesis. Clinical signs. Methods of diagnosis.
22. Cysts of the jaws. Differential diagnosis. Treatment.
23. Salivary gland diseases. Methods of diagnosis.
24. Acute sialadenitis. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
25. Chronic sialadenitis. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
26. Reactive-dystrophic processes in salivary glands (sialoadenoses). Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.

27. Sialolithiasis. Classification. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
28. Temporomandibular joint disorders – inflammatory and reactive-dystrophic. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
29. Temporomandibular joint disorders - subluxation, luxation, contracture, ankylosis. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
30. Trigeminal neuralgia. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
31. Facial paresis and paralysis. Paralysis of the hypoglossal nerve. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
32. Soft tissue trauma in oral cavity and maxillofacial area. Classification. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
33. Teeth trauma. Classification. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
34. Maxillary fractures. Classification. Clinical signs. Methods of diagnosis. Differential diagnosis.
35. Maxillary fractures. Treatment.
36. Mandible fractures. Classification. Clinical signs. Methods of diagnosis. Differential diagnosis.
37. Mandible fractures. Orthopedic treatment.
38. Mandible fractures. Surgical and orthopedic-surgical treatment.
39. Zygoma complex fractures. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
40. Life threatening complications associated with maxillofacial trauma (asphyxiation, hemorrhagia, shock). Clinical signs. Methods of diagnosis. Treatment.
41. Life threatening complications associated with maxillofacial trauma (commotio cerebri, cerebral compression, cerebral contusion). Clinical signs. Differential diagnosis. Methods of diagnosis. Treatment.
42. Tumors in oral cavity and maxillofacial area. Etiology and pathogenesis. Characteristics. Basic principles of diagnosis Clinical signs. Methods of diagnosis. Classification based on localization. Clinical classification – TNM-system.
43. Oral and maxillofacial preneoplastic disorders. Classification. Etiology and pathogenesis. Erythroplakia and leukoplakia - clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
44. Oral and maxillofacial preneoplastic disorders. Lichen ruber planus (lichen planus), cheilitis, melanoplakia, cornu cutaneum, keratoacanthoma. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
45. Benign soft tissue tumors of the skin and oral cavity. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
46. Benign odontogenic tumors of the jaws. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
47. Benign nonodontogenic tumors of the jaws. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
48. Malignant soft tissue tumors of oral cavity (lips, cheeks, gingiva, tongue, floor of the mouth, hard palate). Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
49. Maxillary carcinoma. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
50. Maxillary sarcoma. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
51. Mandible carcinoma. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
52. Mandible sarcoma. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
53. Benign tumors of salivary glands. Classification. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
54. Malignant tumors of salivary glands. Classification. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
55. Lymphoreticular tumors. Non-Hodgkin lymphoma. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.

56. Lymphoreticular tumors. Hodgkin lymphoma. Clinical signs. Methods of diagnosis. Differential diagnosis. Treatment.
57. Treatment of malignant oral and maxillofacial tumors – basic principles.
58. Prophylaxis and early diagnosis of oral cancer.
59. Surgical approaches for the treatment of periodontal diseases – resective surgical techniques.
60. Surgical approaches for the treatment of periodontal diseases – regenerative surgical techniques
61. Surgical approaches for the treatment of periodontal diseases – periodontal plastic surgery (mucogingival surgery). Deepening of the vestibular sulcus of the upper and lower jaw - techniques
62. Mucogingival surgery - gingival recession. Classification. Indications. Methods. Technique.
63. Pre-prosthetic preparation of the jaws. Indications and methods.
64. Plastic and reconstructive surgery – basic principles. Free skin grafts.
65. Plastic and reconstructive surgery. Flap surgery.
66. Clefts in maxillofacial area. Classification. Etiology and pathogenesis. Cleft lips. Clinical signs. Surgery deadlines. Treatment.
67. Clefts in maxillofacial area. Classification. Etiology and pathogenesis. Cleft palate. Clinical signs. Surgery deadlines. Treatment.
68. Jaw deformities and acquired defects in maxillofacial area. Treatment.

**Sources:**

- ✚ Hupp JR, Ellis E III, Tucker MR. Contemporary oral and maxillofacial surgery, fifth edition (2008) Mosby, Inc affiliate of Elsevier Inc. *ISBN 9780323049030*
- ✚ Andersson L, Kahnberg KE, Pogrel A. Oral and Maxillofacial Surgery (2010) Blackwell Publishing Ltd. *ISBN 978-1-4051-7119-9*

01/03/2018

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