

A SURGICAL DENTISTRY FINAL CONTROL QUESTIONS  
FOR STUDENTS OF 5-rd COURSE OF DENTAL FACULTY

**Oral Surgery Propaedeutic**

1. Organization of oral surgical care to the population of Ukraine in the polyclinical and hospital conditions.
2. Stages of development of oral surgery in Ukraine. The contribution of domestic scientists.
3. Asepsis and antisepsis during operations of the maxillofacial area in the polyclinic and hospital.
4. Aseptic and antiseptic aspects of AIDS and viral hepatitis in the polyclinical and hospital practice of oral surgeon.
5. Methods of preparation of the oral surgeons hands for surgery in the polyclinic and hospital.
6. Immunobiological features of tissues of the maxillofacial area. The role of local immunity for odontogenic infections.
7. Examination of a patient in the department of oral surgery of the polyclinic and hospital. Medical documentation.
8. Pain, its components, leading the way. Role for the organism. The body's response to pain, the operating injury.
9. Medicinal substances for local anesthesia, their chemical composition, mechanism of action. Recipes.
10. The methods for the production, storage and quality assessment of solutions for local anesthesia. Tests on novocaine by I. Lykowsky and chloramine "B" Guzan.
11. The prolongation of local anesthetics. Vasoconstrictor funds. Their dosage. Recipes. Intoxication with adrenaline.
12. Methods of local anesthesia in oral and maxillofacial area. How to perform them.
13. Potential local anesthesia: the principles of sedation, the main ingredients of medicinal substances, which are part of schemes sedation, advantages and disadvantages.
14. Drug preparation (pretreatment) of the patient for surgery on the maxillofacial area in the conditions of polyclinic and hospital. Possible complications of potential local anesthesia.
15. Common complications of local anesthesia. Anaphylactic shock. Resuscitation.
16. Local complications of local anesthesia in oral and maxillofacial area. Their prevention, diagnosis, treatment.
17. Types and features of general anesthesia during operations on the maxillofacial area in the polyclinic and hospital. Indications and contraindications.
18. Pharmacological agents for anesthesia, the mechanism of their action. Neuroleptanalgesia. Indications and contraindications in oral surgery.
19. General and local complications with conduction anesthesia. Prevention. Resuscitation.
20. Indications and contraindications for various types of local and general anesthesia during operations on the maxillofacial area in the conditions of polyclinic and hospital.
21. Central anesthesia during block of II branch of the trigeminal nerve. Zone of innervation, indications, technique. Prevention of complications.
22. Central anesthesia during block of III branch of the trigeminal nerve. The zone of innervation of the indications, technique. Prevention of complications.
23. Anesthesia by the Bershe-Dubov-Uvarov. Indications and methodology.
24. Anesthesia by the Vishnevsky in infratemporal fossa. Tryger-sympathic blockade. Indications. Methodology.
25. Torus anesthesia by the Veisbrem. The area of coverage. Indications. The method of

conduction. Prevention of complications.

26. Extraorally method of mandibular anesthesia. The area of coverage. Indications. The method of conduction. Prevention of complications.

27. Finger-less way of intraoral mandibular anesthesia. The area of coverage. Indications. The method of conduction. Prevention of complications.

28. Finger method of intraoral mandibular anesthesia. The area of coverage. Indications. The method of conduction. Prevention of complications.

29. Anesthesia of buccal nerve. The types. The area of coverage. The method of conduction. Indications.

30. Mental anesthesia. Zone of action, indications, technique.

31. Infraorbital anesthesia. The area of coverage. Indications. The method of conduction. Possible complications, its prevention and treatment.

32. Tuberal anesthesia. The area of coverage. Indications. The method of conduction. Possible complications, its prevention and treatment.

33. Anesthesia around incisor foramen. The area of coverage. Indications. The method of conduction. Possible complications, its prevention and treatment.

34. Plexual anesthesia. The area of coverage. Indications. The method of conduction. Prevention of complications.

35. Methods of anesthesia for the removal of the lower molars.

36. Methods of anesthesia for sequestrectomy in the mental part of the lower jaw.

37. Methods of anesthesia for the removal of the upper incisors. To prescribe - 2 % solution of novocaine.

38. Methods of anesthesia for the removal of the upper premolars.

39. Methods of anesthesia for the surgical treatment of superficial phlegmon of MFA.

40. Methods of anesthesia for the surgical treatment of a deep phlegmon of MFA and neck.

41. Common complications during and after anesthesia. Prevention, care.

42. Preparation of a dental patient for urgent surgical intervention in the conditions of polyclinic and hospital.

43. Preparation of a dental patient to elective surgery in the conditions of polyclinic and hospital.

44. Local complications during and after the injection of anesthetic. Prevention, treatment.

45. Doctor's tactics in case of wrong injection instead of anesthetic non-injectational solution.

46. Fainting, collapse, shock. Clinic, the aid for dental patient in the conditions of the polyclinic.

47. Local complications during anesthesia in MFA: etiology, pathogenesis, clinical symptoms, aid, prevention.

48. Peculiarities of anesthesia during tooth extractions in patients with myocardial infarction, diabetes mellitus, cardiovascular diseases.

49. Methods of anesthesia for the removal of the salivary stone.

50. Methods of anesthesia for the maxillary sinus sinusotomy.

51. The choice of method of anesthesia in patients with allergic status.

52. Peculiarities of anesthesia in the elderly people.

53. Modern anesthetic agents (anesthetics), equipment: action, advantages and disadvantages.

54. Modern methods of anesthesia during dental operations, the principles of further development of methods of anesthesia.

55. The operation of the tooth extraction. The stages.

56. Features of removal of individual groups of teeth and roots on the upper and lower jaws.

57. Complications of the teeth extraction. Diagnostics, treatment.

58. Instruments for typical and atypical tooth extraction, its purpose, and action.
59. Instruments for the removal of teeth and roots on the upper jaw. The structure and conditions of use.
60. Instruments for the removal of teeth and roots on the lower jaw. The structure and conditions of use.
61. Atypical tooth extraction. Technique. Care of postoperative wound.
62. The species and the healing period postextractive wound.
63. Atypical extraction of teeth with the retention and dystopia. Indications. The method of operation. Alveolectomy. Complications and their treatment.
64. Bleeding after tooth removal: its causes, methods of stopping prophylaxis.
65. Alveolitis: etiology, treatment. Wound care in the postoperative period.
66. Alveolar pain: etiology, clinical course, treatment.
67. Doctor's tactics in case of perforation of the maxillary sinus floor during tooth removal.
68. Doctor's tactics in case of the pushing of a tooth in the maxillary sinus.
69. The specifics of the preparation of the patient with disease of the blood to remove the tooth.
70. Doctor's tactics in case of pushing the tooth into the tissue of the bottom of the oral cavity.
71. A tooth fracture: methods of removal: required instruments.
72. Tooth extraction from a tumor in a patient with hypertension, stroke, myocardial infarction.
73. Tooth extraction from a tumor in a patient with leukemia.
74. Causes of fracture of the jaw during tooth removal. Doctor's tactics.
75. Prevention of aspiration of teeth, fracture and dislocation of the mandible during tooth extraction.

#### **Inflammatory processes in the oral and maxillofacial area**

1. Diseases of teeth eruption. Dystopia and retention. Clinic, diagnostics. Indications and methods of removal of teeth.
2. Pericoronitis. Causes, classification, clinic, diagnostics, methods of conservative and surgical treatment.
3. Etiology, pathogenesis and classification of inflammatory processes in the oral and maxillofacial area.
4. Acute periodontitis. Classification, clinic, diagnostics and treatment.
5. Chronic periodontitis. Classification. Clinic, diagnostics.
6. Chronic granulomatous periodontitis, clinic and diagnostics. Types of granulomas, theories of origin of epithelial granulomas.
7. Surgical methods for the treatment of chronic periodontitis. Resection of the root apex. Indications, technique, and possible complications and their prevention.
8. Surgical methods for the treatment of chronic periodontitis. Hemisection, amputation, replantation. Indications. The method of conduction. Possible complications and their prevention.
9. Replantation of the tooth: simultaneous and delayed, indications and contraindications, method of operation, complications. The connection types of the root of the tooth with the alveola.
10. Causes of acute exacerbations of chronic periodontitis pathogenesis. Treatment, prevention of complications.
11. Periostitis of jaw: classification, etiology, pathogenesis, clinical picture, differential diagnosis.
12. Treatment of acute purulent odontogenic periostitis of jaw.
13. Osteomyelitis of the jaws. Etiology, theories of pathogenesis, classification.
14. Odontogenic osteomyelitis of the jaws. The acute phase. Clinic, diagnostics, treatment.
15. Odontogenic osteomyelitis of the jaws. Chronic stage. Clinic, diagnostics. Conservative

treatment. Operation sequestrectomy. Indications, timing and technique. Prevention of complications.

16. Peculiarities of the clinical course odontogenic osteomyelitis - lower and upper jaws. Anatomical and topographical features. Complications of osteomyelitis.

17. Differential diagnosis of acute periodontitis, periostitis and osteomyelitis of the jaws.

18. Peculiarities of the clinical course, diagnosis and treatment non-odontogenic acute osteomyelitis of the jaws.

19. Acute hematogenous osteomyelitis of the maxilla: etiology, clinical features, complications and treatment.

20. Actinomycosis of the maxillofacial area: clinical presentation, differential diagnosis, treatment.

21. Syphilis of the maxillofacial area: clinical presentation, differential diagnosis, treatment.

22. Tuberculosis of the maxillofacial area: clinical presentation, differential diagnosis, treatment.

23. Surgical anatomy of cellular spaces of the maxillofacial area. The way of the spread of odontogenic infection.

24. Abscess and phlegmon of the maxillofacial area. Inflammatory clinical signs, principles of diagnosis.

25. Abscess and phlegmon of the maxillofacial area. The principles of complex treatment.

26. Phlegmon of the infratemporal and pterygopalatal fossae. Etiology, pathogenesis, clinic, diagnostics, treatment.

27. Phlegmon of the temporal area. Causes, clinical signs, diagnostics, treatment.

28. Abscesses and phlegmons of the suborbital and zygomatic areas. Causes, clinical signs, diagnostics, treatment.

29. Abscess and phlegmons of the submandibular space. Its surgical anatomy. Causes, clinical signs, diagnostics, treatment.

30. Abscess and phlegmons of the pterygoid cellular space. Surgical anatomy, causes, clinical signs, diagnostics, treatment.

31. Abscess and phlegmons of the masseteric cellular space. Surgical anatomy. Causes, clinical signs, diagnostics, treatment.

32. Abscess and abscess of the parotid-masseteric area. Causes, surgical anatomy, clinical signs, diagnostics, treatment.

33. Abscess and phlegmon of the buccal area. Surgical anatomy, causes. Clinical signs, diagnostics, treatment.

34. Abscess and phlegmon of the retromandibular area. Surgical anatomy, causes, clinical signs, diagnostics, treatment.

35. Abscess and phlegmon of the tongue. Causes, clinical signs, diagnostics, treatment.

36. Cellulitis of bottom of the oral cavity. Surgical anatomy, causes, clinical signs, diagnostics, treatment.

37. Abscess of the mandibular-lingual groove. Surgical anatomy, causes, clinical signs, diagnostics, treatment.

38. Ludwig angina. Surgical anatomy, causes, clinical signs, diagnostics, treatment.

39. Abscess and phlegmon of the parapharyngeal cellular space. Surgical anatomy, causes, clinical signs, diagnostics, treatment.

40. Odontogenic and non-odontogenic phlegmons of MFA: differential diagnosis, clinical findings, treatment, complications.

41. Clinic, topographic anatomy and treatment of the phlegmon of the neck.

42. General treatment of phlegmons of MFA. To write the necessary prescriptions.

43. Odontogenic mediastinitis: etiology, pathogenesis, clinical signs, diagnosis.
44. Differential diagnosis of odontogenic mediastinitis, surgical and medical treatment.
45. Sepsis, toxic shock. Etiology, clinical signs, differential diagnosis, treatment.
46. Thrombophlebitis of veins of the face, thrombosis of the cavernous sinus. Etiology, clinical signs, differential diagnosis, treatment.
47. Odontogenic abscess of the brain, meningitis. Etiology, clinical signs, treatment.
48. Odontogenic sinusitis. Etiology, pathogenesis, classification, clinical signs, diagnostics.
49. Odontogenic sinusitis. Conservative and surgical treatment. Complications and their prevention.
50. Clinic, diagnostics and treatment of arthritis and arthrosis of the temporomandibular joint. To write the necessary prescriptions.
51. Lymphadenitis of the maxillofacial area: classification, clinical signs, differential diagnosis, treatment. Furuncle and carbuncle of the maxillofacial area: classification, clinical signs, complications and treatment.
52. Acute inflammation of the salivary glands: classification, clinical signs, treatment.
53. Sialolithiasis: etiology, clinical features, complications and treatment.
54. Pseudoparotitis of Gerzenberg and parotid gland inflammation.
55. Chronic inflammation of the salivary glands: classification, clinical signs, treatment.
56. Systemic diseases of the salivary glands: a disease of Mikulich, Sjogren syndrome.
57. Noma. Etiology, pathogenesis, clinical signs, treatment. Differential diagnosis, complications.

### **Traumatology of the Maxillofacial Area**

1. Organization of surgical aid to maxillofacial wounded under peaceful and extreme conditions.
2. Basic principles of organization, amount and extent of wounds in MFA. Topics and tasks of the Military Dentistry.
3. Traumatic disease: pathogenesis, peculiarities of clinical manifestations of injuries of MFA. Providing medical aid.
4. Damage of soft tissues of MFA in peacetime and under extreme conditions: classification, clinical signs, surgical methods of wound treatment.
5. General characteristics of gunshot soft tissue injuries in MFA: Classification, diagnostics.
6. Current types of gunshot wounds. Clinical signs and surgical methods of wound treatment.
7. General characteristics, clinical flow, diagnostics of gunshot injuries under extreme conditions. Classification.
8. Bone reconstructive surgery for treatment of gunshot injuries.
9. Types of stitches.
10. Traumatic injuries of the lower jaw in peacetime: anatomy of damage, classification, clinical flow, diagnosis.
11. X-ray examination of patients with traumatic injuries of MFA.
12. Traumatic injuries of the upper jaw in peacetime: anatomy of damage, classification, clinical flow, diagnosis, medical aid at place of injury.
13. Temporary immobilization of the facial skull bones injuries: requirements and types.
14. Providing qualified surgical aid in case of traumatic injuries of the lower jaw.
15. Providing qualified surgical aid in case of traumatic injuries of the upper jaw.
16. Permanent immobilization of the jaws using different types of splints and caps. Advantages and disadvantages.
17. Osteosynthesis of the facial bones.
19. Osteosynthesis of the lower jaw.
20. Osteosynthesis of the upper jaw.

21. Combined injuries of MFA: types of clinical flow, peculiarities of treatment.
22. Traumatic injuries of zygomatic bones and arches in peacetime: clinical signs, diagnostics and treatment.
23. Thermal injuries of the face in peacetime and under extreme conditions.
24. Radiation exposure: clinical features; peculiarities of treatment.
25. Burn injuries: clinical features, diagnosis and treatment.
26. Features of plastic surgery for facial thermal injuries.
27. Early local and general complications of injuries of the maxillofacial area.
28. Prolonged tissue compression syndrome of the face. Medical care at place of injury and during medical evacuation.
29. Asphyxia: types of clinical flow, peculiarities of treatment.
30. Bleeding complications of injuries of the maxillofacial area Medical care at place of injury and during medical evacuation.
31. Later local and general complications of the maxillofacial injuries. Prevention of their occurrence.
32. General characteristics, clinical flow, diagnostics of gunshot injuries under extreme conditions.
33. Bone reconstructive surgery for treatment of gunshot injuries.
34. Inflammatory complications of the maxillofacial injuries. Prevention of their occurrence.
35. Traumatic injuries of the tongue: clinical signs, peculiarities of treatment.
36. Traumatic injuries of the neck: clinical signs, peculiarities of treatment.
37. Bone tissue regeneration. Healing of bone wounds.
38. Nutrition of those wounded in the maxillofacial area, types of diets.
39. Care for the wounded. Exercise and physical therapy.

### **Oncology of Maxillofacial Area**

1. Benign soft tissues tumours of maxillofacial area.
2. Atheroma of maxillofacial area: clinical signs, diagnostics, treatment.
3. Lipoma of maxillofacial area: classification, diagnostics, treatment.
4. Haemangioma of maxillofacial area: classification, diagnostics, treatment.
5. Lymphangioma of maxillofacial area: clinical signs, diagnostics, treatment.
6. Paradental cysts of jaws: clinical signs, diagnostics, treatment.
7. Epithelial cysts: clinical signs, diagnostics, treatment.
8. Radicular cysts of jaws: clinical signs, diagnostics, treatment.
9. Follicular cysts of jaws: clinical signs, diagnostics, treatment.
10. Retromolar cysts of jaws: clinical signs, diagnostics, treatment.
11. Subperiosteal cysts of jaws: clinical signs, diagnostics, treatment.
12. Adamantinoma: clinical signs, diagnostics, treatment.
13. Odontoma: clinical signs, diagnostics, treatment.
14. Benign fibrous lesions of the jaws: fibrous dysplasia, cement osseous dysplasia. parathyroid osteodystrophia. Paget disease.
15. Osteoblastoma: clinical signs, diagnostics, treatment.
16. Osteoclastoma: clinical signs, diagnostics, treatment.
17. Benign tumours and cysts of the salivary glands: classification, histological structure, clinical signs, diagnostics, treatment.
18. Biological fundamentals of clinical oncology.
19. Peculiarities of malignant tumour cell growth. Influence of X-ray radiation, cryotherapy, hyperthermia, chemical drugs, ultrasound, hypoxia on the tumour cells growth.

20. Immunological aspects of clinical oncology. Immunotherapy in patients with malignant tumours.
21. Complex treatment of patients with malignant tumours.
22. Precancer skin and mucosal lesions of the face, oral cavity and tongue: classification, clinical signs, diagnostics, treatment, prevention.
23. Malignant skin tumours of the face: clinical signs, diagnostics, treatment.
24. Clinical signs, diagnosis and treatment of melanoma.
25. The clinical signs, diagnostics and treatment of carcinoma of the oral cavity.
26. Clinical signs, diagnosis and treatment of bazalioma.
27. Malignant tumours of the salivary glands: classification, histological structure, clinical signs, diagnostics, treatment.
28. Carcinoma of lower jaw: etiology, clinical signs, diagnostics, treatment.
29. Carcinoma of upper jaw: etiology, clinical signs, diagnostics, treatment.
30. Adenocarcinoma and cylindroma, clinical manifestations, diagnosis and treatment.
31. The clinical, diagnosis and treatment of sarcoma of the upper jaw.
32. The clinical, diagnosis and treatment of sarcoma of the mandible.
33. Diversity of morphological verification of tumours.
34. Surgical treatment of malignant tumours of the jaws.
35. Fundamentals of care and rehabilitation of patients with bone defects.

### **Reconstructive Surgery**

1. A role of Ukrainian scientists is in development of reconstructive-surgery MFA. Indications to the plastic operations.
2. The basic principles and types of MFA plasty.
3. Skin Local Plasty methods. Plastic operations planning (by Shimanovsky, by Limberg).
4. Local tissues plasty of lips, nose, cheeks, chin. Pedicle flaps plasty.
5. Round steam plasty of MFA: indications and contraindications. A rhinoplasty by hitrow method.
6. A free skin plasty in a maxillofacial area. Types of skin transplants, their advantage and defects.
7. Lower jaw orthognatic surgery.
8. Upper jaw orthognatic surgery.
9. Defects of lower jaw: classification, clinical signs, surgical treatment.
10. Defects of upper jaw: classification, clinical signs, surgical treatment.
11. The bone plastic of jaws: biological bases.
12. Distraction method of treatment of MFA deformations and defects treatment bones.
13. Secondary deformations of upper lip and nose. Clinical signs, treatment.
14. Secondary deformations of lip and palate clefts. Clinical signs, treatment.
15. Microsurgery of MFA.
16. Osteogenic and osteoinductive therapy in MFA.
17. Preprosthetic surgery. Implantology.
18. Treatment of paresis and paralysis of mimic muscles.
19. TMJ Disorders. Classification. Clinical sings, surgical treatment.
20. Lower jaw contracture. Clinical signs, diagnostics, treatment.
21. Surgical treatment of pain syndromes of face.
23. Neuritis, neuralgia of trigeminal nerve.
24. The principles of esthetic surgery.
25. The modern achievements of maxillofacial surgery.
26. The future of maxillofacial surgery.

