

A LIST SELF-CONTROL QUESTIONS
“Fundamentals of Dentistry”

1. Dentistry as a medical specialty. Organization of dental aid in out-patient's clinics and hospitals of Ukraine.
2. Development of dento-alveolar-jaw system: temporary and permanent teeth, eruption of teeth, forming of roots of teeth and periodontum, physiology of dento-alveolar-jaw system. Relationship of the state of the dento-alveolar-jaw system and general state of health of a human beings.
3. Examination of dental and maxillofacial patient.
4. Caries of the teeth: etiology and pathogenesis, classification. Clinical signs. Methods of treatment.
5. Pulpitis of the teeth: etiology and pathogenesis, classification. Clinical signs. Principles of treatment.
6. Noncarious injuries of teeth: etiology, pathogenesis, classification. Innate defects of development of hard tissues of teeth. Clinical signs. Methods of treatment of enamel hypoplasia, wedge-shaped defects, enhanceable enamel obliteration, chemical necrosis of enamel and dentine, enamel hypersthsia.
7. Diseases of tissues surrounding a tooth (periodontium) - gingivitis, periodontitis, periodontosis. Parodontomas, idiopathic diseases of periodontal tissues.
8. Disease of mucous membrane of the oral cavity. Clinical signs of general diseases on the mucous membrane of the oral cavity.
9. Measures of prophylaxis of stomatological diseases (state, social, medical, hygienic, education).
10. Anaesthetization in dentistry. Organization and providing of anaesthesia and reanimation service in a dental clinic and department of maxillofacial surgery of a general hospital.
11. Pain, its types, components, its value for the organism. A response of the organism to pain, or surgical trauma.
12. The general anaesthetizing in dentistry (uninjectable, injectable methods, indications to application).
13. Local anaesthetics, their clinical and pharmacological description.
14. Application of vasoconstrictors for local anaesthetization.
15. Dependence of efficiency of anaesthetization on the general state of patient, alcohol abuse and other harmful factors.
16. Classification of local methods of anaesthetization in dentistry and maxillofacial surgery (application, infiltration and conductive anaesthetization). Techniques of conduction, indications and contraindications, possible complications.
17. General complications: side-effects of the cardiovascular system and CNS: unconsciousness, collapse; anaphylactic shock, other allergic reactions. Rendering of the first aid.
18. Premedication: kinds, indications to applying. Groups of pharmacological medications which are used for premedication (analgetics, tranquilizers, antihistaminic, etc) their pharmacological description.
19. Stages of narcosis.
20. Examination of a patient and preparation to general anesthesia.
21. Preanesthetic preparation of a patient to surgical interference.
22. Features of general anaesthetization in the oral and maxillofacial surgery.
23. Noninhalation and inhalation methods of anaesthesia.
24. Peculiarities of intubative anaesthesia conducted in patients with pathology of maxillofacial area. Mask and nasopharyngeal anaesthesia.

25. Indications to choosing a method of intubation (through the mouth, nose, tracheostomy, orostomy, through the nose "blindly", retrograde intubation). Possible complications.
26. Urgent conditions and principles of reanimation in dental practice (respiratory complications, cardiovascular, comatose condition, shock and others). Principles of cardiopulmonary reanimation. Rendering medical aid to the patient in terminal state. Prophylaxis.
27. Tooth extraction. Instruments for tooth extraction, their structure and methods of work.
28. Indications and contraindications to operation of tooth extraction.
29. Peculiarities of preparation of patients with heart diseases, blood disorders and other pathologies, pregnant and children. Possible complications.
30. Prosthetic dentistry and orthodontia as parts of stomatological science.
31. Influence of loss of teeth, dentofacial deformations on the patient's overall health.
32. Examination of a patient in the clinic of prosthetics and orthodontics. Articulation and occlusion.
33. Instrumental and vehicle methods of examination used in-process prosthetists and orthodonts.
34. The special preparation of oral cavity for prosthesis.
35. Clinic and prosthesis of defects of the tooth crown.
36. Clinic and prosthetic treatment of dental rows by irremovable prosthetic appliances in case of partial defects.
37. Clinic and prosthesis in case of complete absence of teeth.
38. A reaction of tissues of prosthetic bed on removable prosthetic appliances.
39. Maxillofacial prosthetics. External prosthetic applications.
40. Fails and complications at prosthetics.
41. Prosthetic vehicles: classification, principles of work, indications to application. Terms of treatment.
42. Classification of inflammatory processes of maxillofacial area. Frequency of origin.
43. Periodontitis, periostitis, osteomyelitis of the jaws. Etiology, pathogenesis, clinical signs, diagnosis, treatment.
44. Odontogenic abscesses. Superficial and profound phlegmons of odontogenic and nonodontogenic origin.
45. Lymphadenitis of maxillofacial area. Etiology, pathogenesis, clinic, diagnosis, treatment.
46. Odontogenic sinusitis. Etiology, pathogenesis, clinical symptoms, diagnosis, treatment.
47. Sialoadenitis. Etiology, pathogenesis, clinical signs, diagnosis, treatment.
48. Specific inflammatory diseases of the maxillofacial region: actinomycosis, tuberculosis, syphilis.
49. Complications of acute inflammatory processes of maxillofacial area (purulent thrombophlebitis, thrombosis of a cavernous sinus, meningitis, mediastenitis. Encephalitis, sepsis, infectious toxic shock). Their etiology, pathogenesis, clinical picture, modern methods of diagnosis, treatment.
50. Chronic stomatogenic and odontogenic infection. Stomatogenic of chronosepsis et al. Modern pictures in value of development of diseases of organs and systems of the organism.
51. Characteristic peculiarities of damages of the maxillofacial area.
52. Classification of damages of maxillofacial area.
53. Clinical peculiarities of wounds of the soft tissues of the maxillofacial area. Surgical debridement of wounds. Stages of conducting.
54. Local complications of wounds of soft tissues of maxillofacial area.
55. The first aid in trauma of the facial bones. Primary aid, the first medical aid, qualified and specialized aid.

56. Classification, clinical signs, treatment of fractures of jaws, zygomatic bone and arc. Fractures of bones of viscerocranium (clinical examination, symptoms, kinds, typical places of fractures). Biomechanics of fractures, mechanism and character of displacement of bone ends.
57. Dislocations of the lower jaw.
58. Burns of the face: classification, clinical signs, diagnosis, treatment.
59. Frost-bite of the face: features of clinical signs, diagnostics, treatment.
60. Traumatic disease: pathogenesis, clinical signs, principles of treatment, complication. Complication of damages of maxillofacial area (shock, asphyxia, bleeding, etc).
61. Alimentation and care of patients with a trauma of the maxillofacial area.
62. A concept of tumors. Classification of tumors of the maxillofacial area. Theories of canceogenesis.
63. Examination of patients with the purpose of diagnosis of tumors, the role of modern methods of examination (roentgraptic, radioisotope diagnosis, cythological, histological verifications of tumors). The stages by TNM system.
64. Tumorous formations of maxillofacial area (cysts of jaws). Etiology, pathogesis. Clinical signs, diagnosis, treatment.
65. Organospecific benign tumors of the maxillofacial area (odontoma, ameloblastoma, cementoma, epulis): clinical signs, diagnosis, treatment.
66. Unrganospecific benign tumours of maxillofacial area (angioma, osteoma, osteoblastoklastoma, fibroma, villoma): clinical signs, treatment.
67. Premalignant tumors on the skin of a face, red framing of lips, mucous of the oral cavity. Base-line diseases. Clinical signs, methods of diagnosis, treatment.
68. Malignant tumors of soft tissues of maxillofacial area. Lip and tongue cancer. Clinical signs, diagnostics and treatment.
69. Malignant tumors of salivary glands.
70. Malignant tumors of lower and upper jaws.
71. Metastases of malignant tumors on the neck. Basic methods of treatment of malignant tumors of the maxillofacial area.
72. Fundamentals of cranio-maxillofacial plastic surgery.
73. Causes of origin of congenital facial defects, their classification.
74. Classification of the orofacial clefts: clinical signs, treatment, terms of surgical interference, rehabilitation.
75. Cheilorrhaphy. Types, modifications, objectives and surgical techniques.
76. Palatorrhaphy. Surgical techniques.
77. Aesthetic facial surgery. Value of facial aesthetics in people's life and psychology. Old-aged changes of facial tissues. Removal of wrinkles on the face, contour plastic of face. Complications, their treatment.
78. Principles of restorative and plastic operations on face, their types, indications and contraindications, principles of conducting.
79. Congenital and acquired defects of the face. Principles of diagnosis and treatment.
80. Dental implantation: indications and contraindications, peculiarities of examination of a patient, planning of the surgical and prosthetic stages of treatment. Estimation of the jaw bone tissue. Types of implants, one- and two-step implantation, reaction of a bone on implantation.
81. Compatible work of neurosurgeons, ophtalmologists, otolaryngologists, neurologists, general surgeons, anaesthetists. Sequence of medical measures.
82. Organization of the health centre system and rehabilitation of patients.

