

YEREVAN STATE MEDICAL UNIVERSITY

Chair of surgical stomatology

2018-2019 school year

STATE EXAMINATION QUESTIONS

For 5th course Dental Students

1. Clinical anatomy of maxilla. Maxillary nerve and its branches.
2. Clinical anatomy of mandible. Mandibular nerve and its branches.
3. Local anesthetic agents. Indications and contraindications of local anesthesia.
4. Topical or surface anesthesia. Infiltration anesthesia.
5. Inferior alveolar nerve block. Open and closed techniques, extra oral and intraoral approaches.
6. Anesthesia at mandibular torus by Veisbrem technique. Buccal nerves block.
7. Mental nerve block, extraoral and intraoral approaches. Lingual nerve block.
8. Contracture of masticatory muscles. Anesthesia by Bershe and Bershe-Dubov.
9. Posterior superior alveolar nerve block, extra oral and intraoral approaches. .
10. Infraorbital nerve block, extraoral and intraoral approaches.
11. Greater palatine nerve block. Nasopalatine nerve block, extraoral and intraoral approaches.
12. Trigeminal nerve block, coronoid approach.
13. Systemic complications of local anesthesia: unconsciousness, collapse, anaphylaxis. Types, etiology, pathogenesis, clinical picture, treatment.
14. Topical complications of local anesthesia.
15. Indications for extraction of teeth. Systemic and topical.
16. Contraindications for extraction of teeth. Systemic and topical.
17. Pre-extraction considerations, post extraction instructions. Extraction techniques. Principles of complicated exodontias. General surgical techniques. Basic principles of oral surgery.
18. Complications involved in extraction. Fracture of tooth, alveolar bone, maxillary tuberosity, mucosal tear. Oro-antral communication, fistula, treatment.
19. Post extraction complications. Dry socket.
20. Post extraction complications. Hemorrhage and shock, neural injuries, soft tissues and adjoining teeth injuries.
21. Pericoronitis. Causes, diagnosis, surgical treatment. Complications.
22. Impaction of teeth. Causes, diagnosis, surgical extraction of impacted teeth. Complications.
23. Surgery to preserve teeth. Apeectomy, transplantation, reimplantation.
24. Periostitis, periapical, palatal and periodontal abscess of the jaw. Etiology, pathogenesis, clinical picture, treatment.
25. Differential diagnosis of the periapical abscess, periostitis, osteomyelitis.
26. Acute osteomyelitis of the jaw. Etiology, pathogenesis, clinical picture, treatment.
27. Chronic osteomyelitis of the jaw. Etiology, pathogenesis, clinical picture, treatment.
28. Lymph nodes of head and neck. Lymphangities, acute and chronic non specific lymphadenities, adenoflegmona. Etiology, pathogenesis, clinical picture, treatment.
29. Actinomycosis, tuberculosis, syphilis of the jaw. Etiology, pathogenesis, clinical picture, treatment.
30. Acute maxillary sinusitis. Etiology, pathogenesis, clinical picture, treatment. Complications.
31. Chronic maxillary sinusitis. Etiology, pathogenesis, clinical picture, treatment.
32. Surgical treatment of chronic maxillary sinusitis. Complications. Oro-antral communication, fistula, treatment.
33. Differential diagnosis of rhinogenic, odontogenic and allergic sinusitis.
34. TMJ disorders. Acute and chronic arthritis. Etiology, pathogenesis, clinical picture, treatment.
35. TMJ arthrosis, osteoarthritis. Costen's syndrome. Etiology, pathogenesis, clinical picture, treatment.
36. Ankylosis of TMJ. Etiology, pathogenesis, clinical picture, treatment.
37. Dislocation of the TMJ. Etiology, pathogenesis, clinical picture, treatment.
38. Buccal space, infraorbital space and orbit infections. Etiology, pathogenesis, clinical picture, treatment.

39. Temporal space. Etiology, pathogenesis, clinical picture, treatment.
40. Infratemporal, pterygo-palatal fossa space infections. Etiology, pathogenesis, clinical picture, treatment.
41. Lateral pharyngeal, retropharyngeal space infections. Etiology, pathogenesis, clinical picture, treatment.
42. Pterygomandibular space infections. Etiology, pathogenesis, clinical picture, treatment.
43. Parotid and submasseterial space infections. Etiology, pathogenesis, clinical picture, treatment.
44. Submandibular space infections. Etiology, pathogenesis, clinical picture, treatment.
45. Submental space infections. Etiology, pathogenesis, clinical picture, treatment.
46. Infections of the floor of mouth, sublingual space infections. Etiology, pathogenesis, clinical picture, treatment.
47. Ludwig's angina. Etiology, pathogenesis clinical picture, treatment. Airway considerations in Ludwig's angina.
48. Cavernous sinus thrombosis and thrombophlebitis, brain abscess, meningitis. Etiology, pathogenesis, clinical picture, treatment. Neurological complications of odontogenic infections.
49. Mediastinitis. Etiology, pathogenesis, clinical picture, treatment.
50. Salivary glands. Anatomy, classification of disorders, investigations.
51. Acute and chronic sialadenitis. Etiology, pathogenesis, clinical picture, treatment.
52. Sialolithiasis. Etiology, pathogenesis, clinical picture, treatment.
53. Retention cysts of salivary glands. Etiology, pathogenesis, clinical picture, treatment.
54. Sjogren's syndrome. Sialosis. Etiology, pathogenesis, clinical picture, treatment.
55. Soft tissue injuries. Classification, clinical picture, treatment.
56. Dentoalveolar injuries. Classification, clinical picture. Treatment.
57. Alveolar ridge fractures. Classification, clinical picture. Treatment.
58. Mandibular fractures. Classification, clinical picture, treatment.
59. Maxillary fractures. Classification, clinical picture, treatment.
60. Zygomatic bone and arch fractures. Nasal bone fractures. Classification, clinical picture, treatment.
61. Neurological disorders of the maxillofacial region. Trigeminal, glossopharyngeal neuralgia, clinical picture, diagnosis.
62. Medical therapy, injection therapy of Trigeminal neuralgia. Surgical treatment of Trigeminal neuralgia.
63. Soft tissue tumors. Papilloma. Papillomatos. Muscle tissue origin tumours. Lipoma. Epulis. Fibroma. Pigmented nevus. Rhinophima. Classification, etiology, clinical picture, treatment.
64. Bone forming neoplasms. Giant cell lesions. Osteoma. Osteoid osteoma. Classification, etiology, clinical picture, treatment.
65. Cartilage and bone neoplasms. Chondroma. Osteochondroma, exostosis. Classification, etiology, clinical picture, treatment.
66. Odontogenic tumors of the jaw. Ameloblastoma. Classification, etiology, clinical picture, treatment.
67. Odontogenic tumors of the jaw (Odontoma, ameloblastic fibroma, adenomatoid odontogenic tumours, myxoma). Classification, etiology, clinical picture, treatment.
68. Odontogenic tumor-like lesions of the jaw (calcifying epithelial odontogenic tumour, cementoblastoma, cementifying fibroma). Classification, etiology, clinical picture, treatment.
69. Fibro-osseous lesions(Polyostotic, monostotic fibrous dysplasia, Albrights syndrome, Cherubism, Eosinophilic granuloma, Hyperparathyroidism, Pegets disease of bone). Types, etiology, clinical picture, treatment.
70. Face and neck cysts (Dermoid cysts, branchid cleft anomalies, thyroglossal duct anomalies). Etiology, pathogenesis, clinical picture, treatment.
71. Blood vessel tumor and tumor-like lesions: hemangiomas. Lymphangioma. Tumor of peripheric nerves: neurofibroma, neurofibromatosis
72. Salivary gland benign (cystadenoma and pleomorphic adenomas), malignant tumors. Classification, clinical picture, treatment.
73. Non-odontogenic cysts of oral cavity (Nasopalatine, globulomocillary cysts). Classification, etiology, clinical picture.
74. Odontogenic cysts of the oral cavity (Radicular, dentigerous cysts, keratocyst). Classification, etiology, clinical picture.
75. Treatment of the cysts of oral cavity (cystotomy, cystectomy, marsupialization).
76. Precancers of the mucosa of oral cavity, red lip rim and the skin of the face (Cheilitis Manganotti, leukoplakia, keratoacanthoma, actinic keratosis, radiation dermatitis, precancerous melanosis, Hetchinson's melanotic patches). Classification, etiology, clinical picture, treatment.
77. Malignancies of the mucosa of oral cavity and the tongue. TNM classification, etiology, diagnosis, clinical picture, treatment.
78. Malignancies of the red lip rim and facial skin. TNM classification, etiology, diagnosis, clinical picture, treatment.

79. Cancer and sarcoma of mandible. Classification, etiology, diagnosis, clinical picture. Hemimandibulectomy. Surgical technique.
80. Cancer and sarcoma of maxilla. Classification, etiology, diagnosis, clinical picture. Maxillectomy. Surgical technique.
81. Treating Periodontal Pockets. Subgingival curettage, gingivectomy.
82. Widman fl ap, Neuman fl ap, Modified Widman fl ap.
83. Guided Tissue Regeneration, Bone Grafting.
84. Gingival Recession, Gingival recessions surgical treatment modalities, pedicle flap procedures.
85. Free graft procedures. An acellular dermal matrix.
86. Classification of dental implants. Types of dental implants.
87. Indications and contraindications for dental implants. Sinus-lift procedure.
88. Hard tissue implant interface. Osteointegration
89. Surgical stage of implantation, insertion technique.
90. Complications of dental implantation.

Referances:

1. The lecture materials of the chair
2. Textbook of oral and maxillofacial surgery (Dr. Vinod Kapoor)
3. Contemporary oral and maxillo-facial surgery (Peterson)

Head of the YSMU Surgical Stomatology Chair

professor G.V.Hakobyan