

SECTION 1: Surgical biology

1. Oral soft tissue wound healing
2. Maxillofacial bone healing
3. Use of antibiotics and antiseptics
4. Anesthesia and pain management
5. Enteral nutritional support

SECTION 2: Surgical methods

6. Diagnostic imaging in oral and maxillofacial surgery (NEW)
7. Instrumentation, patient positioning and aseptic technique
8. Suture materials and biomaterials
9. Piezosurgery (NEW)
10. Laser surgery
11. Microvascular techniques in maxillofacial surgery
12. Use of the dog and cat in experimental maxillofacial surgery

SECTION 3: Exodontics

13. Principles of exodontics
14. Simple extraction of single-rooted teeth
15. Extraction of canine teeth in dogs
16. Extraction of multirrooted teeth in dogs
17. Special considerations in feline exodontics
18. Complications of extractions

SECTION 4: Periodontal surgery

19. Principles of periodontal surgery
20. Gingivectomy and gingivoplasty
21. Periodontal flaps and mucogingival surgery
22. Osteoconductive and osteoinductive agents in periodontal surgery
23. Crown-lengthening
24. Management of periodontal trauma

SECTION 5: Endodontal surgery

25. Principles of endodontic surgery
26. Endodontic surgical techniques

SECTION 6: Maxillofacial trauma repair

27. Principles of maxillofacial trauma repair
28. Facial soft tissue injuries

29. Surgical approaches for mandibular and maxillofacial trauma repair
30. Symphyseal separation and fractures involving the incisive region
31. Maxillofacial fracture repair using noninvasive techniques
32. Maxillofacial fracture repair using intraosseous wires
33. Maxillofacial fracture repair using miniplates and screws
34. Maxillofacial fracture repair using external skeletal fixation
35. Maxillofacial fracture complications

SECTION 7: Temporomandibular Joint Surgery

36. Temporomandibular joint dysplasia
37. Fractures and luxations involving the temporomandibular joint
38. Temporomandibular ankyloses and pseudoankylosis (NEW)

SECTION 8: Palate surgery

39. Biologic basis of cleft palate and palatal surgery
40. Orofacial Cleft Repair
41. Acquired palatal defects

SECTION 9: Management of maxillofacial tumors and cysts

42. Clinical staging and biopsy of maxillofacial tumors
43. Clinical-pathologic correlations
44. Clinical behavior of nonodontogenic tumors
45. Clinical behavior of odontogenic tumors
46. Non-neoplastic proliferative oral lesions
47. Clinical behavior and management of odontogenic cysts
48. Principles of oral oncologic surgery
49. Surgical treatment of tongue, lip and cheek tumors
50. Maxillectomy techniques
51. Mandibulectomy techniques
52. Axial-pattern flaps for maxillofacial reconstruction
53. Regenerative techniques in maxillofacial surgery (NEW)

SECTION 10: Salivary gland surgery

54. Principles of salivary gland surgery
55. Surgical treatment of sialoceles

SECTION 11: Miscellaneous maxillofacial surgery procedures

56. Cheiloplasty
57. Inferior labial frenoplasty and tight-lip syndrome

- 58. Management of maxillofacial osteonecrosis
- 59. Management of unerupted teeth

SECTION 12: Oral approaches to ear, nose, and throat procedures

- 60. Correction of overlong soft palate
- 61. Pharyngotomy and pharyngostomy
- 62. Oral approaches to the nasal cavity and nasopharynx
- 63. Tonsillectomy