

## **Part 1: Trauma**

1. Etiology and Changing Patterns of Maxillofacial Trauma, *Tim Forouzanfar*
2. Primary Care of Maxillofacial Injuries, *Jan Roodenburg*
3. Establishing a Clinical Diagnosis And Surgical Treatment Plan  
*Christian Lindqvist and Riitta Seppänen-Kaijansinkko*
4. Principles of Fracture Management: Reduction, Choice of Fixation and Timing of Treatment, *Wolfgang Puelacher*
5. Surgical Management of Mandibular Fractures, *Rudolf Bos*
6. Condylar Fractures, *Richard A. Loukota and Khalid Abdel-Galil*
7. Surgical Management of Maxillary and Zygomatic Fractures  
*Nils-Claudius Bernhard Gellrich and Rüdiger M. Zimmerer*
8. Surgical Management of Craniofacial, Nasoethmoid and Grossly Comminuted Midface Fractures, *Ashraf Messiha*
9. Periorbital and Intraorbital Trauma and Orbital Reconstruction, *Simon Holmes*
10. Pediatric Maxillofacial Trauma, *Bodo Hoffmeister*
11. Primary Management of Soft Tissue Trauma and Nerve Reconstruction  
*Rainer Schmelzeisen, Tobias Fretwurst and Nils-Claudius Bernhard Gellrich*
12. Neurosurgical Considerations in Craniofacial Trauma, *Peter C. Whitfield*
13. Management of Military Ballistic Injuries to the Face and Neck  
*Neil Mackenzie*

## **Part 2: Oncology**

14. The molecular biology of head and neck cancer, *Jag Dhanda and Richard J. Shaw*
15. Prognostic Factors in Oral, Oropharyngeal and Salivary Gland Cancer  
*Richard J. Shaw, James Brown and Janet Mary Risk*
16. Molecular Biology of Human Papillomavirus (HPV) Mediated Head and Neck Cancer, *Andrew Graeme Schache*
17. The Team Approach in the Management of Head and Neck Cancer  
*Ramchandani Parkash and Simon Ellis*
18. The Role of Diagnostic Radiology in Head and Neck Cancer  
*Julian Eamon Kabala*
19. Health-Related Quality of Life (HRQOL) in Head and Neck Surgery  
*Simon N. Rogers and Anastasios Kanatas*
20. Radiotherapy in the Management of Orofacial Cancer  
*Charles Gerald Kelly*
21. Chemotherapy and Targeted Agents, *Kevin J. Harrington*

### **Section 1: Principles of Ablative Surgery**

22. Anesthesia and Airway Management for Oral Cancer and Microvascular Surgery, *Alison Chalmers*
23. Ablative Surgery for Cancer of the Tongue, Floor of Mouth and Mandible  
*Henning Schliephake*
24. Ablative Surgery for Malignant Tumours of the Maxilla, Nasal and Paranasal Sinuses, *Wilfried Wagner and Bilal Al-Nawas*
25. NECK DISSECTION, *Ludi Smeele*
26. Branchial Cysts, *Ben C. Green and Peter A. Brennan*
27. Primary Neck Masses, *Christopher Harris*
28. Vascular Lesions of the Head and Neck, *Jens Bodem*
29. Tumors of the Skull Base, *Robert A. Ord*
30. Locally Aggressive Benign Jaw Tumors, *Eric R. Carlson*

### **Section 2: Principles of Reconstructive Surgery**

31. Principles of Reconstruction, *Mark L. Urken and Ilya Likhterov*
32. Principles of Microvascular Surgery, *Abdul Ahmed and Michael Gilhooly*
33. Reconstruction of the Maxilla, *Joseph Helman*
34. Mandibular Reconstruction, *Jürgen Hoffmann and Dominik Horn*
35. The Radial Forearm, *Christopher M.E. Avery*
36. Common Free Vascularized Flaps: The Fibula, *Joshua E. Lubek*
37. The Rectus Abdominis, *Abdul Ahmed*
38. Common Free Vascularized Flaps: The Scapula, *Henning Schliephake*
39. Common Free Vascularized Flaps: The Latissimus Dorsi, *Norbert R. Kübler*
40. Vascularised Iliac Crest Grafts, *Andrew Lyons and Rabindra P. Singh*
41. The Anterolateral Thigh and Other Perforator Flaps, *Peirong Yu*
42. Other Free Flaps Used in Head and Neck Reconstruction  
*Alexander Johann Gaggl Sr.*
43. Local and Regional Flap Reconstruction of Maxillofacial Defects  
*Rui P. Fernandes and Michael R. MARKIEWICZ*
44. Facial Transplantation, *Eduardo D. Rodriguez*
45. Tissue engineering, *Henning Schliephake, Jörg Wiltfang and Hendrik Naujokat*

### **Section 3: Surgical Management of Salivary Disease**

46. Principles of Management of Neoplastic Salivary Gland Disease  
*Siegmar Reinert*
47. Imaging of Salivary Glands, *Gitta Madani*
48. Surgical Techniques for Parotid and Submandibular Glands and Ranulae  
*Katherine George*
49. Salivary Endoscopy, *Mark McGurk and Jonathan E. Gottlieb*
50. Immediate Facial Nerve Reconstruction Following Iatrogenic Injuries  
*William Townley*

### **Section 4: Surgical Management of Facial Skin Tumors**

51. Skin Cancer of the Head and Neck  
*Daryl R. Godden and Mark K. Singh*
52. Cutaneous Lesions of the Periorbital and Lid Region  
*Jörg Wiltfang, Hendrik Naujokat and Jerry N. Farrier*
53. Cutaneous and Mucosal Lip Lesions and their Reconstruction  
*Kunmi A. Fasanmade and Jerry N. Farrier*
54. Nonsurgical Management of Non-Melanoma Skin Cancer  
*Anita Takwale and Margaret Jean Coyle*

### **Section 5: Surgical Rehabilitation and Long Term Care**

55. Prosthetic Rehabilitation and Implantology after Cancer Ablation  
*Beomjune B. Kim*
56. Reconstruction After Tumor Ablation: Extra-Oral Implants  
*Friedrich-Wilhelm Neukam*
57. Palliative Therapy, Terminal Care and Counseling  
*Friedemann Nauck*

### **Part 3: Craniofacial Deformity**

58. Classification, Diagnosis and Etiology of Craniofacial Deformities  
*Douglas P. Sinn and David Yates*
59. Principles of Craniofacial Surgery and the Management of Complications  
*Timothy A. Turvey*
60. Psychosocial Aspects of Visual Facial Difference, *Adam Blancher*

61. Surgical Management of Craniosynostosis  
*Ghali E. Ghali, Jennifer E. Woerner and Jason E. Dashow*
62. Hemifacial Microsomia: The Disorder and Its Surgical Management  
*Bonnie L. Padwa*
63. Treacher Collins Syndrome, *David A. Koppel*
64. Osteodistraktion: The Present and the Future, *Cesar A. Guerrero and Eric Arnaud*
65. Reanimation in Congenital Disorders, *Rudolf F. Buntic*

## **Section 2: Surgical Management of Cleft Lip and Palate Patients**

66. Cleft Lip and Palate and Evidence-based Care  
*Serryth Colbert and Simon Van Eeden*
67. Techniques for cleft lip repair, *David Drake and Serryth Colbert*
68. Technique for cleft Palate Repair, *Brian Sommerlad*
69. Alveolar Cleft Defect Bone Grafting  
*Adrian Sugar and Serryth Colbert*
70. Secondary Cleft Surgery  
*Chris Neil Penfold and Rachel Anne Mumford*
71. The Role of the Speech and Language Therapist in the Care of the Individual with Cleft Palate and Velopharyngeal Dysfunction  
*Helen Extence and Siwan Cassidy*
72. Secondary Palatal Surgery and Pharyngoplasty  
*Nigel Mercer, Alistair R M Cobb and Victoria Beale*
73. Orthodontics in Cleft Care, *Stephen Robinson*

## **Section 3: Orthognathic Surgery**

74. Surgical Planning in Orthognathic Surgery and Outcome Stability  
*Larry M. Wolford*
75. The Orthodontic Surgical Interface, *Thomas Aldridge*
76. Orthognathic Surgical Techniques, *David E. Frost and Michael P. Powers*
77. Avoiding Surgical Complications in Orthognathic Surgery  
*Ghali E. Ghali, Jennifer E. Woerner and Stavan Patel*

## **Section 4: Esthetic Facial Surgery**

78. Overview of Facial Aesthetic Surgery: Indications and Patient Selection  
*Jon D. Perenack*
79. Surgical Techniques: The Forehead and Brow, *Clark O. Taylor*
80. Facelift, *T. William Evans*
81. Management of the Aging Neck, *Angelo Cuzalina and C. Blake Smith*
82. Cosmetic Surgery of the Eyes, *Michael J. Will*
83. Basic Rhinoplasty, *Faisal A. Quereshy and Yirae Ort*
84. Ear Reconstruction and pinaplasty, *Faisal A. Quereshy and Brady Burton*
85. Skin Rejuvenation and Resurfacing, *Suzan Obagi and Rishi Kumar Gandhi*
86. Facial Bone Sculpturing, *Stephen A. Schendel and Rishi Jay Gupta*

## **Part 4: Oral Surgery, TMJ and Oral Medicine**

### **Section 1: Oral Surgery**

87. Surgical Management of Non-Malignant Lesions of the Mouth  
*Michael Bornstein and Martin Woods*
88. Pathological Perspectives of Non-Malignant Lesions of the Mouth  
*Gernot Jundt*
89. Fibrous Dysplasia, *Timothy Lloyd and Natasha Louise Berridge*
90. Surgical endodontics, *Frank Peter Strietzel*

91. Avoiding and Managing Complications in Oral and Dento-Alveolar Surgery  
*Ravinder Pabla*
92. Orofacial Infections, *Amir Ketabchi and Nabeela Ahmed*
93. Implant Treatment: Modern Techniques Including Dynamic Navigation  
*Michael S. Block*
94. Controversies in office based surgery, *Shahme Ahamed Farook*

**Section 2: TMJ Surgery**

95. Assessment and Conservative Management of the Temporomandibular Joint, *Nigel Shaun Matthews and David Chapireau*
96. Arthrocentesis and Arthroscopic Management of the TMJ  
*Andrew J. Sidebottom and Kenlchiro Murakami*
97. The Role of Open Surgery in the Management of Temporomandibular Disorders, *Florencio Monje and Nadeem Saeed*
98. Management of Dislocation of the TMJ  
*Andrew J. Sidebottom, Nabeela Ahmed and Sujeev Rajapakse*
99. Temporomandibular Joint Ankylosis, *Divya Mehrotra and Andrew J. Sidebottom*
100. TMJ Reconstruction: Joint Replacement Alternatives  
*Louis Gerard Mercuri*

**Section 3: Oral medicine**

101. Neuropathic Orofacial Pain, *Henry Alan Gremillion*
102. Orofacial Pain, *Henry Alan Gremillion*
103. Medical management of oral mucosal lesions  
*Andrea Maria Schmidt-Westhausen*
104. Human Factors Recognition and Ways To Minimise Error in the Operating Room, *Peter A. Brennan*