



Edition: 1st Edition 2023
pages: 416
Images: 1450
Cover: Hardcover; 21 x 28 cm
ISBN: 978-1-78698-121-9
Published: July 2023

KVM - Der Medizinverlag

📍 Ifenpfad 2-4
12107 Berlin
Germany

☎ +49 (0) 30 / 76180-5

📠 +49 (0) 30 / 76180-680

✉ info@quintessenz.de

🌐 <https://www.quintessence-publishing.com/kvm/de>

Book information

Editor: Wangerin, Konrad / Fedder, Caroline

Title: Optimizing Orthognathic Surgery

Short text:

A comprehensive guide to interdisciplinary treatment approaches for dysgnathia correction based on considerations of both orofacial function and facial esthetics. Written by international experts with over 30 years of surgical experience, this book shares valuable insights gained through close collaboration with orthodontists, dental practitioners, prosthodontists, ENT specialists, speech therapists, and more. The integration of intraoral distraction surgery into orthognathic procedures is explored with a special focus on severe cases. The wealth of treatment strategies and solutions presented within these pages will navigate readers through the intricate pathways of managing complex craniofacial malformations.

- Step-by-step guide for documentation, diagnosis, and planning of orthognathic surgical procedures
- Comprehensive methods and techniques for dysgnathia correction
- Identifying potential dangers and limitations
- Indications for interdisciplinary treatment planning
- Effective treatment sequences and surgical planning
- Descriptions of analog and digital approaches
- Strategies for choosing between the maxilla and mandible first approaches
- Practical tips and tricks for successful outcomes
- Balancing function and esthetics in treatment strategies
- In-depth case reports highlighting complex scenarios
- Long-term results and their significance in treatment evaluation

This invaluable resource serves as an unwavering compass for the treatment of both simple and complex craniofacial malformations, guiding practitioners on their surgical journey, providing the knowledge, techniques, and insights needed to deliver exceptional patient care and achieve outstanding surgical outcomes.

Contents

Part A

Chapter 01. Guidelines for photographic documentation of dentofacial malformations

Chapter 02. Initial documentation of a dentofacial malformation

Chapter 03. Modified cephalometric analysis for prediction planning

Chapter 04. Surgical planning for dentofacial malformation

Chapter 05. Model operation

Chapter 06. Surgical planning and methodology with splint creation

Chapter 07. 3D virtual individualized treatment planning of orthognathic surgery: 10-step protocol

Chapter 08. Computer-assisted planning and splintless maxillary positioning in complex maxillomandibular surgery

Part B

Chapter 09. The surgical processing of bones – yesterday – today – tomorrow

Chapter 10. Le Fort I osteotomy

Chapter 11. Maxillary segmentation after Le Fort I osteotomy

Chapter 12. Transmaxillary septorhinoplasty

Chapter 13. Mandibular sagittal split osteotomy

Chapter 14. Transantral maxillary distraction

Chapter 15. Transverse maxillary distraction

Chapter 16. Transverse mandibular distraction

Chapter 17. Horizontal mandibular distraction

Chapter 18. Ramus distraction

Chapter 19. Chin correction (genioplasty)

Chapter 20. Chin wing osteotomy

Chapter 21. Anterior mandibular segmental distraction osteogenesis
Chapter 22. Anterior mandibular block rotation
Chapter 23. Secondary septorhinoplasty
Chapter 24. Bone harvesting from the iliac crest
Chapter 25. Autologous fat grafting (lipofilling)
Chapter 26. Nasal–upper lip complex
Chapter 27. Zygomatic arch augmentation and reduction
Chapter 28. Segment osteotomies
Chapter 29. Periodontally accelerated osteogenic orthodontics: a treatment case

Part C

Chapter 30. Anesthesia in dysgnathia surgery

Contributors

Andreas Burger • Stefan Clotten • Caroline Fedder • Sven Heinrich • Christopher-George Hepburn • Philipp Jürgens • Wolfgang Kater • Eduard Kehrberger-Crook • Winfried Kretschmer • Ramo Poturak • Alexander Schramm • Gwen R. J. Swennen • Jan Ternes • Albino Triaca • Konrad Wangerin • Dieter Weber • Frank Wilde

Categories: [Oral/Maxillofacial Surgery](#)