



Edition: 1st Edition 2023  
 pages: 416  
 Images: 1450  
 Cover: Hardcover; 21 x 28 cm  
 ISBN: 978-1-78698-121-9  
 Stock No.: BG168  
 Published: July 2023

\$248.00

Price  
 Subject to changes!

**Quintessence Publishing Company, Inc.**

 411 North Raddant Road  
 Batavia  
 Illinois IL 60510  
 United States of America

 +1 (0)630 / 736-3600

 +1 (0)630 / 736-3633

 [contact@quintbook.com](mailto:contact@quintbook.com)

 <https://www.quintessence-publishing.com/usa/en>

## 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](#)