



Edition: 1st Edition 2006  
pages: 560  
Images: 435  
Cover: Hardcover  
ISBN: 978-0-86715-447-4  
Stock No.: 6291  
Published: April 2006

**Quintessence Publishing Company, Ltd.**

 Grafton Road  
KT3 3AB New Malden, Surrey  
United Kingdom

 +44 (0)20 8949 6087

 +44 (0)20 8336 1484

 [info@quintpub.co.uk](mailto:info@quintpub.co.uk)

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

## Book information

**Editor:** Laskin, Daniel M. / Greene, Charles S. / Hylander, William L.

**Title:** Temporomandibular Disorders

**Subtitle:** An Evidence-Based Approach to Diagnosis and Treatment

**Short text:**

This multidisciplinary textbook presents a unique approach to diagnosis and management of the various temporomandibular disorders. Written by a large group of eminent researchers and clinicians, it links current scientific concepts of basic anatomy, physiology, biomechanics, and pathology of the temporomandibular joint with specific diagnostic and treatment protocols that are based on sound clinical data. Thus, in keeping with the current thrust in medicine and dentistry, the book provides access to the best available evidence so that clinicians can make informed rather than empirical decisions about what is appropriate therapy. Where lack of data or rapid changes in a particular discipline do not allow for evidence-based conclusions or recommendations, the book highlights the areas of agreement and disagreement in order to expose the deficiencies in our present knowledge base. In a field of treatment long associated with controversy, this book educates readers about which current practices of diagnosis and treatment are strongly supported by scientific research and which are supported only by practical experience and/or anecdotal evidence.

**Contents**

Part I. Biologic Basis

- Chapter 01. Functional Anatomy and Biomechanics of the Masticatory Apparatus
- Chapter 02. Anatomy and Function of the TMJ
- Chapter 03. TMJ Growth, Adaptive Modeling and Remodeling, and Compensatory Mechanisms
- Chapter 04. Sensory and Motor Neurophysiology of the TMJ
- Chapter 05. Persistent Orofacial Pain
- Chapter 06. Muscular Pain and Dysfunction
- Chapter 07. TMJ Osteoarthritis
- Chapter 08. TMJ Disc Derangements
- Chapter 09. Systemic Conditions Affecting the TMJ

Part II. Clinical Management

- Chapter 10. TMJ Imaging
- Chapter 11. Analysis of TMJ Synovial Fluid
- Chapter 12. The Role of Technology in TMD Diagnosis
- Chapter 13. Psychological and Psychosocial Assessment
- Chapter 14. Concepts of TMD Etiology: Effects on Diagnosis and Treatment
- Chapter 15. TMJ Arthritis
- Chapter 16. Internal Derangements
- Chapter 17. Masticatory Muscle Pain and Dysfunction
- Chapter 18. Traumatic Injuries
- Chapter 19. Maxillofacial Movement Disorders
- Chapter 20. Differential Diagnosis of Orofacial Pain
- Chapter 21. Benign and Malignant Tumors
- Chapter 22. Fibromyalgia
- Chapter 23. Pharmacologic Approaches
- Chapter 24. Physical Medicine
- Chapter 25. Oral Appliances
- Chapter 26. Biobehavioral Therapy
- Chapter 27. Management of Dental Occlusion
- Chapter 28. Indications and Limitations of TMJ Surgery
- Chapter 29. Congenital and Developmental Anomalies
- Chapter 30. Medical Management of TMJ Arthritis
- Chapter 31. Surgical Management of TMJ Arthritis
- Chapter 32. Surgical Management of Internal Derangements
- Chapter 33. Treatment of Myogenous Pain and Dysfunction
- Chapter 34. Treatment of Maxillofacial Movement Disorders
- Chapter 35. Surgical Management of Benign and Malignant Neoplasms

## Chapter 36. Management of Idiopathic Condylar Resorption

### Contributors

A. Omar Abubaker • Leon A. Assael • Lambert G. M. de Bont • Glenn T. Clark • Radhika Chigurupati • Lewis Clayman • Raymond A. Dionne • Ronald Dubner • Samuel F. Dworkin • Jocelyne S. Feine • Luigi M. Gallo • Stuart A. Gansky • Yoly M. Gonzalez • Charles S. Greene • Frank I. Hohn • Linda L. Huang • William L. Hylander • Leonard B. Kaban • Dean A. Kolbinson • Mauno Kononen • Sigvard Kopp • Regina Landesberg • Tore A. Larheim • Daniel M. Laskin • James P. Lund • Louis G. Mercuri • Robert L. Merrill • Stephen B. Milam • Hajime Minakuchi • Norman D. Mohl • Ales Obrez • Richard Ohrbach • Octavia Plesh • M. Anthony Pogrel • Ke Ren • Barry J. Sessle • Boudewijn Stegenga • Diane Stern • Christian S. Stohler • J. Mark Thomason • Maria J. Troulis • Bengt Wenneberg • Per-Lennart Westesson

**Categories:** Functional Therapy, General Dentistry