



Edition: 1st Edition 2006  
pages: 560  
Images: 435  
Cover: Hardcover  
ISBN: 978-0-86715-447-4  
Published: April 2006

#### Quintessenza Edizioni S.r.l.

 Via C. Menotti 65  
20017 Passirana di Rho (Milano)  
Italy  
 +39 (0)2 / 931 82 264  
 +39 (0)2 / 931 86 159  
 [info@quintessenzaedizioni.it](mailto:info@quintessenzaedizioni.it)  
 <http://www.quintessenzaedizioni.it>

## 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