



Edition: 1st Edition 2013
pages: 216
Images: 60
Cover: Hardcover
ISBN: 978-0-86715-586-0
Published: March 2013

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: Greene, Charles S. / Laskin, Daniel M.
Title: Treatment of TMDs
Subtitle: Bridging the Gap Between Advances in Research and Clinical Patient Management

Short text:

This book is focused on answering a single broad question: What is currently happening in various research areas that will be clinically applicable to the management of temporomandibular disorders (TMDs) in the near future? Clearly, much of the information discovered about musculoskeletal disorders through the application of new research tools and innovative experimental designs can be directly or indirectly applied to the TMJ. However, many dental clinicians are unaware of this type of information because it is presented mainly in medical publications or nonclinical scientific journals. This book bridges the gap for the clinician, applying the latest scientific research to the clinical treatment of TMDs, with focus on the anatomy, biochemistry, neurophysiology, and psychology of the common disorders. Each chapter discusses present knowledge in the particular field before explaining how it may apply to the diagnosis and treatment of TMD patients. In addition, every chapter provides an overview of new research in the field and its potential for changing future patient care. Covering such clinically relevant topics as the relation of abnormal joint function to joint pathology, the prediction of treatment responsiveness, how sleep disorders affect TMJ and facial pain, the role of comorbid conditions in pain response and management, and the evolving field of pharmacotherapeutics, this book is sure to transform the way clinicians think about TMDs and how they approach TMD treatment.

Contents

Section I. Understanding Regional and Widespread Pain Phenomena

- Chapter 01. Sensory Mechanisms of Orofacial Pain
- Chapter 02. Pathophysiology of Masticatory Myofascial Pain
- Chapter 03. Pathophysiology of Intracapsular Inflammation and Degeneration
- Chapter 04. Comorbid Conditions: How They Affect Orofacial Pain
- Chapter 05. How Sleep and Pain Affect Each Other

Section II. Assessing Susceptibility to Pain Development and Chronicity

- Chapter 06. Genetic Determinants of Complex Orofacial Pain Conditions
- Chapter 07. Quantitative Sensory Testing of Pain Responsiveness
- Chapter 08. Predicting Treatment Responsiveness: Somatic and Psychologic Factors

Section III. Biomechanics of TMJ Function

- Chapter 09. Biomechanics and Mechanobiology of the TMJ
- Chapter 10. Finite Element Analysis of the TMJ
- Chapter 11. Lubrication of the TMJ

Section IV. Diagnostic Technology

- Chapter 12. Imaging of the TMJ and Associated Structures
- Chapter 13. Brain Imaging of Pain Phenomena
- Chapter 14. Synovial Fluid Analysis and Biomarkers of TMJ Disease

Section V. Therapeutic Advances

- Chapter 15. Developmental and Evolutionary Perspectives on TMJ Tissue Engineering
- Chapter 16. Injectable Compounds to Treat TMJ Pain and Degenerative Joint Disease
- Chapter 17. Pharmacologic Management of TMD Pain

Contributors

R. Benoliel • M. Carra • D. Chen • R. Delcanho • T. Diekwisch • R. Dubner • E. Eliav • R. Emshoff • J. Friction • L. Gallo • G. Gerstner • D. Hatcher • J. Hu • E. Ichescio • J. H. Koolstra • R. Landesberg • S. Lauer • G. Lavigne • T. List • G. Macaluso • D. Nitzan • R. Ohrbach • S. Palla • D. Reed • K. Ren • C. Ross • R. Scapino • T. Schmidt-Wilcke • S. Schug • P. Schweinhardt • B. Sessle • C. Stohler • P. Svensson • A. Velly • S. Wadhwa • Y. Zadik • S. Zhu

Categories:

Functional Therapy