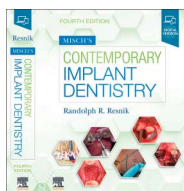




# Book Review

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## Misch's Contemporary Implant Dentistry

Randolph Resnik,  
4th ed. ISBN:  
9780323391559 (hardcover),  
Elsevier Health Sciences  
Philadelphia, PA: 1312 pages.  
\$240.00.

Over the 30+ years of dental implant use, the treatment has been researched and found to be highly successful and predictable. However, many questions about implant treatment continue to come forth and need research verification. The 4th edition of *Contemporary Implant Dentistry (Surgical Edition)* is without question one of the finest textbooks in implant dentistry today and provides state-of-the-art information to answer these questions. The evidence-based text is a comprehensive review of the surgical aspects of implant dentistry. This new edition has been updated to include the most recent scientific based surgical concepts and procedures. The chapters are written by numerous expert authors and comprise over 1300 pages with more than 2700 detailed clinical images and illustrations.

The 4th edition is almost a complete rewrite with over 20 new chapters. The text is well organized and flows seamlessly. It comprises 42 chapters and is divided into 8 distinct parts: Scientific Basis for Dental Implants, Biomechanical Properties of Dental Implants, Fundamental Science, General Treatment Planning Principles, Edentulous Site Treatment Planning, Implant Surgery, Soft and Hard Tissue Rehabilitation, and Peri-Implant Disease and Maintenance.

Part 1 of the book includes 5 detailed chapters on the scientific basis for dental implants. It is a detailed summary of implantology terminology, implant design, bone physiology and metabolism, and biomaterials. Not only is this scientific overview critical for inexperienced clinicians but also is a meaningful review for mature clinicians.

Part 2 of the text consists of pertinent topics based on biomechanical properties of dental implants. Numerous well published authors provide readers with comprehensive, detailed information concerning the biomechanical properties related to dental implants. The relationship of force-related complications based on a stress theorem furnishes clinicians with important treatment planning concepts for long-term success.

Part 3 contains fundamental science with completely new chapters on the medical and radiographic evaluation for patients. The 65-page medical chapter details the most common systemic diseases and medications which influence dental implant treatment. An up-to-date review of CBCT anatomy, pathology, and interactive treatment planning is addressed. In addition, a pharmacology chapter relates a scientific based protocol dictated to patient medical status and procedures.

In Parts 4 and 5, 11 chapters are devoted to treatment planning for single tooth, multiple tooth, and fully edentulous sites. Classifications for available bone, prosthodontic options, bone density, and key implant positions are discussed in individual chapters. New chapters include the following: CBCT interactive treatment planning and surgical templates, specific anatomic variables that affect treatment planning considerations, and preprosthodontic factors that may affect long-term implant and prosthesis success.

In Part 6, 8 chapters include virtually every aspect of implant surgical procedures with new chapters on basic surgical techniques and armamentarium, ideal implant positioning, immediate placement, and surgical implant complications. In addition, detailed maxillary and mandibular implant placement is discussed with respect to vital and anatomic structures.

Part 7 includes 7 new chapters that are devoted to soft and hard tissue rehabilitation. These chapters contain the latest literature-based information on atraumatic extraction and socket grafting classifications, guided bone regeneration techniques, maxillary sinus augmentation, growth factors, and intra- and extraoral block grafting procedures. One chapter is dedicated to a comprehensive overview of the physical properties and indications of specific bone substitutes and the membranes currently used in implant dentistry. Another new chapter details the use and step-by-step protocol of the use of Botox and dermal fillers in implant dentistry for esthetics and treatment of parafunctional habits.

The 8th part includes 2 chapters with a comprehensive overview of peri-implant disease and periodontal maintenance procedures by a world renowned clinician and educator professor Jon B. Suzuki, DDS, PhD, MBA. Dr. Suzuki provides readers with a detailed, pragmatic summary of the diagnosis, prevention, and management of peri-implant disease. The literature-based nonsurgical and surgical protocols are clearly outlined, allowing the reader a straightforward, step-by-step procedural guideline, which is based on the most up-to-date scientific research.

The fourth edition of Contemporary Implant Dentistry is highly recommended as an up-to-date resource for all clinicians, which is based on the highest levels of scientific evidence and research. It uses current academic and clinical standards, which is a one-stop reference for dental students,

general practitioners, and specialists who wish to update their knowledge on all aspects of surgical oral implantology. This is a must-read and most likely the most comprehensive reference that is available in implant dentistry today. Dr. Resnik and his contributors have elevated implant

dentistry to the next level along with preserving Dr. Carl Misch's legacy.

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