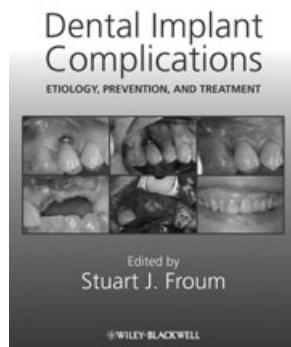


Book Review

Dental Implant Complications: Etiology, Prevention, and Treatment



By Stuart J. Froum, DDS,
Wiley-Blackwell Publishing
Co., Hoboken, NJ, 2010:
ISBN: 978-0-8138-0841-3;
494 pages; price \$184.99,
hardcover.

The editor of this book has compiled a comprehensive evidence-based review of dental implant complications. Of the 50 authors contributing to this topic, most are periodontists, including the editor; thus, most complications covered in the book are surgery related. The book is intended for practitioners who already have an above-average level of implant experience and wish to advance their ability to recognize and treat complications. The text of 494 pages includes a foreword by Ray C. Williams, DMD, an introduction by the editor, 25 chapters, and a 7-page index. Each chapter has an independent topic, written in a systematic method with the general format of introduction, etiology, prevention, treatment, summary, take-home hints, and references. Ample scientific references are cited in each chapter, and high-quality illustrations demonstrate relevant information. There are take-home hints in a light purple text box at the end of each chapter.

The book begins with three chapters discussing the general etiology of complications, prevention, and potential treatment. The editor states that implant complications are becoming more prevalent because the number of implants placed has increased significantly, the levels of training for practitioners vary greatly, and implant placement techniques have changed—with new implant protocols being more aggressive than traditional approaches. Furthermore, a multitude of current implant-related products lack long-term studies and scientific evidence. Clinicians need to recognize their limitations, acquire proper skills, and maintain good communication to minimize these complications.

In Chapter Two, Louis F. Rose, DDS, MD, and Brian L. Mealey, DDS, MS, cover systemic disorders/medication and their relationship to implant complications. This represents a valuable source of information regarding patient selection and

management. In Chapter Four, Scott D. Gantz, DMD, discusses the application of 3D imaging technologies designed to prevent implant complications. Chapter Six consists of a scientific review of implant failure, its prevalence, risk factors, and definitional issues. This provides readers with a comprehensive understanding of the complexity of these issues. Esthetic complications and their etiologies are discussed in several chapters, addressing such topics as implant malposition, implant proximity, and single implant challenges. Prosthodontic complications are discussed in Chapter Nine. The correlation between restorative-driven treatment planning failure and prosthodontic risk is well illustrated. This is a must-read for those who wish to better understand the importance of prosthodontic principles in implant surgery. The following chapter extends to prosthetic component failures, such as screw loosening, screw fracturing, abutment failure, etc. Starting from Chapter Thirteen, the authors deal with complications related to the autogenous bone graft, guided bone regeneration, distraction osteogenesis, lateral window sinus elevation surgery, and osteotome sinus lift procedures.

Other topics covered include implant fractures, peri-implantitis, occlusal complications, and complications related to maintenance therapy. The final section features a potpourri of clinical cases with surgical complications and their management by experts. The last chapter of this book discusses medico-legal issues related to implant complications.

Each chapter focuses on one topic and is independent. There is overlapping information among chapters; however, the editor states the intent is to collect different perspectives on the same issue from different authors. The arrangement of the chapters, in my opinion, is the weak link of this book; the relevant chapters are not always in sequence (Chapters: esthetics: 8, 11, 12; prosthodontics: 9, 10, 21; malpositioned implants: 8, 21). Readers who are used to continuity in textbooks may have a hard time with such an arrangement.

Although this book is primarily about surgery and fixture level complications, multiple authors stress the importance of restorative requirements as a key to the prevention of implant complications. This book is a valuable resource on implant complications. The overall writing is clear and concise, and the illustrations are excellent. This book is highly recommended for all clinicians who practice implant dentistry.

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