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## Book information

**Authors:** Georg Watzek

**Title:** Implants in Qualitatively Compromised Bone

**Short text:**

Bone quality is one of the most important factors in the successful osseointegration of dental implants. However, the concepts of bone quality and compromised bone have never been well defined in the field of implant dentistry. To provide a clear definition of these terms, the contributors to this volume have compiled data from almost two decades of experimental and case studies, resulting in a comprehensive review of the current knowledge regarding the placement of implants in compromised bone. Topics covered include factors influencing bone quality; characteristics of compromised alveolar bone; and techniques for bone assessment, bone regeneration, and implant placement in compromised bone. The book also presents specific considerations for placing implants in different types of compromised bone, such as aged, underdeveloped, and irradiated bone. A useful work of reference for implant students, practicing implant clinicians, and implant-oriented researchers.

**Contents:**

Chapter 01: Overview of Factors Affecting Bone Quality  
Chapter 02: Mechanisms of Bone Development, Remodeling, and Loss  
Chapter 03: Structure of Atrophic Alveolar Bone  
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Chapter 05: Assessment of Bone Quality: Techniques, Procedures, and Limitations  
Chapter 06: Surgical Perspectives for Compromised Bone  
Chapter 07: Experimental Approaches in Bone Regeneration  
Chapter 08: Implants in the Elderly  
Chapter 09: Implants in Children and Adolescents  
Chapter 10: Implants in Irradiated Bone  
Chapter 11: Lasers in Implant Dentistry

**Categories:** Implantology