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Book information

Editor: Misch, Craig M.

Title: Horizontal and Vertical Bone Augmentation for Dental Implant Therapy

Short text:

While the landscape of implant dentistry is always evolving, one constant is the need for sufficient bone volume at the site of implant placement. The management of bone deficiencies is a clinical challenge with an array of possible solutions, and bone augmentation is not one size fits all. This book simplifies things by presenting the assessment criteria and biologic principles required to make clinical decisions as well as the techniques and materials needed to successfully perform horizontal and vertical bone augmentation. The first several chapters provide the reader with fundamental knowledge of the science of bone augmentation and details the diagnosis and planning phases for bone augmentation surgery. The centerpiece of the text is the Michigan Classification for horizontal and vertical bone augmentation, developed by Drs Hom-Lay Wang and Craig Misch, which offers clinicians an evidence-based decision tree for managing different clinical situations based on the type of defect. Finally, the remaining chapters describe the various techniques for horizontal and vertical bone augmentation, including novel technologies like virtual patient planning for prosthetic guided bone augmentation, customized scaffolds for bone regeneration, and recombinant growth factors to improve regenerative capacity. Written by the most knowledgeable clinicians and researchers in their fields, this book prepares the reader to achieve predictability and success in implant dentistry, no matter the presenting situation.

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