

# *Vertical Alveolar Ridge Augmentation in Implant Dentistry: A Surgical Manual and Horizontal Alveolar Ridge Augmentation in Implant Dentistry: A Surgical Manual.*

Tolstunov L, ed. Hoboken, NJ: John Wiley & Sons, Inc.  
Hoboken, New Jersey

These two practical and clinically oriented texts provide the necessary background and surgical-technique information clinicians need to master the most difficult bone grafting cases in implant dentistry. Both texts begin with a concise biological rationale and suggestions for considerations clinicians must ponder prior to commencing bone-grafting cases. These two texts cover the following vertical and horizontal alveolar ridge reconstruction techniques in detail:

- Guided bone regeneration (GBR) with particulate bone graft material,
- Onlay (veneer) intraoral sources (chin, ramus, posterior mandible, zygomatic buttress, maxillary tuberosity) and extraoral sources (hip, rib, calvarium) and block bone graft sources,
- Ridge-split/bone-graft and sandwich osteotomy, and
- Alveolar distraction osteogenesis.

Each text provides relevant applied surgical anatomy of the jaws written by separate authors. Having different authors allows for re-enforcement of anatomical surgical principals that are essential to mastery of these surgical techniques. Both texts include maxillary and mandibular bone grafting algorithms that assist the clinician in deciding the most prudent grafting technique to use.

A multidisciplinary assembly of 70 surgical specialists provides insights into several techniques. The 65 chapters (in total) present multiple grafting options in a well outlined format that discuss indications, treatment planning, clinical technique, material options, instrumentation, and possible complications for each technique. The grafting procedures are illustrated graphically and accompanied by relevant intraoperative photographs.

Techniques presented include not only hard-tissue grafting needs, but also implant site development using soft tissue grafting techniques. Bone growth modifying techniques such as in situ tissue engineering, growth factor utilization, blood concentrates, bone marrow aspirates, and stem cell technology are appropriately reviewed.

These 2 texts will benefit the clinician and their patients. Following the principles outlined in each chapter will certainly increase the clinician's confidence and improve predictability of case results. These texts are books that can and should be read and reread many times by novice and seasoned clinicians.

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