

Autologous tooth bone graft techniques and applications

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Introduction: Demineralized auto tooth bone material support excellent bone regeneration with minimal or no foreign body reaction, prevents transmission of disease or genetic disease as it comprises of type 1 collagen and proteins similar to alveolar bone, thus has high osteo-inductive properties. Any osseous defect like extraction socket, ridge augmentation (horizontal or vertical), and maxillary sinus augmentation can be treated by osteo-inductive auto tooth bone material with minimal invasive surgery.

Objective: To make implant surgery simple, easy, minimal invasive and friendly.

Discussion: Whenever implant surgery is planned, either it will be a fresh extraction socket or had a history of extraction with either horizontal or vertical defect or both. Therefore surgeon has to plan guided bone regeneration with simultaneous implant placement. Nowadays, different bone material choices are available or extensive surgery required for augmentation results high post-operative discomfort, more chances of complications or rejection and longer


healing time. Auto tooth bone makes surgeon and patients' life easier because of minimal invasive surgery with no or less post-operative discomfort and no risk of rejection. There is several chair side system available that helps to convert extracted tooth/teeth into bone powder or block bone.

Conclusion: Auto tooth bone has high osteo-inductive properties and it can be easily applied wherever guided bone regeneration is required either in implant Surgery or Socket preservation or any Perio Surgery with minimal invasive approach and less or no post-operative discomfort .

Speaker Biography

Farrukh Bashir has completed his Bachelor of Dental Surgery from Liaquat University of Medical and Health Sciences Jamshoro, Pakistan in 2003. In 2004 he completed a Certified Course for Implantology from UAE. In 2007 he passed membership examination from Royal College of Surgeons of England. In 2009 he completed his MSc in Clinical Maxillofacial Surgery from Manchester. Currently, he is working as a Consultant Oral Surgeon and Implantologist at Dental Care Center, Hyderabad, Pakistan.

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