Osteo Science Foundation

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Shaping the Future of Regeneration

EVIDENCED-BASED BONE GRAFTING AND BONE REGENERATION FOR EXPANSION OF THE IMPLANT PLATFORM:

A Review of Present-Day Procedures and Materials Used to Augment Treatment for Improving Bone Volume

The 64th Congress of JSOMS

–Osteo Science Foundation Presentation at the 64th Congress of the Japanese Society of Oral and Maxillofacial Surgeons–

By Jay P. Malmquist, DMD

Sunday, October 27, 2019 | 8:45 am – 11:45 am | Venue: Room 3, Sapporo Convention Center 1F Mid-sized Hall; 2-Partition A (240 seats)

Jay P. Malmquist, DMD is an Oral and Maxillofacial Surgeon with a private practice in Portland, Oregon. He is a graduate of the University of Oregon and the University of Oregon Dental School. He completed a rotating internship in the US Army and a residency in Oral and Maxillofacial Surgery at Oregon Health Sciences University. He is a diplomat of the American Board of Oral and Maxillofacial Surgery and completed seven years as a board examiner. He is the past Treasurer and past President of the American Association of Oral and Maxillofacial Surgeons. He has authored numerous chapters in books on implant surgery and grafting; has written multiple articles on bone grafting and tissue regeneration including basic research on bone regeneration. He has lectured nationally and internationally on topics of implant placement, bone grafting and various bone proteins and blood modifiers. He is a reviewer for several peer reviewed Journals in implant surgery and is currently the chairman of the Foundation for Oral Rehabilitation; Past Chairman and current member of the Board of Directors of Osteo Science Foundation and current President of the Academy of Osseointegration.

This discussion will focus on current trends in the bone augmentation for the treatment of patients requiring dental implants. In addition, a systematic review of complications related to bone grafting will be discussed. The benefits of allogenic materials in both hard and soft tissue will be presented. New materials such as 3-D collagen constructs will be introduced. Innovative solutions including the use of blood modifiers and bone proteins will be discussed. The use of the literature to illustrate the outcomes of certain procedures will be discussed. Making choices for certain treatment regimens will be illustrated. This lecture will introduce some new concepts regarding the alveolar network and why it is specifically a biological liability.

LEARNING OBJECTIVES:

1. Review the historical perspectives of grafting and materials used in present day treatment
2. Create an overview of bone grafting modalities and new technical consideration
3. Review treatment workflows as they relate to esthetic considerations

This program will be conducted in English. There is no additional fee to attend.

Osteo Science Foundation's mission is to advance hard and soft tissue regeneration, with a focus on Oral and CranioMaxillofacial Surgery. The Foundation was established by Dr. Peter Geistlich in 2013 and is dedicated to advancing scientific research and education that leads to improved outcomes for patients.

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