

Program Summary

This lecture will present the surgical aspects of contour augmentation with GBR. This surgical technique was developed in the late 1990's at the University of Bern, and is most often used in post extraction sites for early implant placement. The goal of contour augmentation is a thick facial bone wall to support esthetic soft tissue contours. The technique uses two bone fillers, on the one hand locally harvested autogenous bone chips to enhance new bone formation during the initial phase of bone healing, and on the other hand a low-substitution bone filler such as DBBM (deproteinized bovine bone mineral), which is mainly used for the long-term stability of the augmented bone wall. The two synergistic fillers are covered by a resorbable collagen membrane. The membrane provides a temporary barrier function, and stabilizes the applied bone fillers. The surgery is completed with a tension-free, primary wound closure. The surgical procedure will be presented with different case reports, and documented by clinical and radiographic long-term studies using CBCT for up to 10 years of follow-up.

Agenda

8:30 - 10:30am	Basics of implant surgery and the excellent long-term stability of Guided Bone Regeneration (GBR): Why does it work so well?
10:30 - 10:45am	Break
10:45 - 12:00pm	Early implant placement with simultaneous GBR for contour augmentation
12:00 - 1:00pm	Lunch
1:00 - 2:15pm	Implant placement with simultaneous sinus floor elevation
2:15 - 2:30pm	Break
2:30 - 3:30pm	Surgical handling of esthetic implant failures
3:30 - 4:30pm	Q & A and Panel Discussion



Daniel Buser, DDS, Dr. med. dent., Prof. h.c., Sen. h.c.

Dr. Daniel Buser is Professor and Chairman at the Department of Oral Surgery at the University of Bern in Switzerland since 2000. He has spent several sabbaticals at Harvard University in Boston (1989-91), at Baylor College of Dentistry in Dallas (1995), at the University of Melbourne (2007/08), and again at Harvard University in 2016. He served as President of various academic associations including the European Association for Osseointegration (EAO) in 1996/97, the Swiss Society of Oral Implantology (SSOI) in 1999-2002, the Swiss Society of Oral Surgery and Stomatology (SSOS) in 2002-07. He was also President of the ITI (2009-13), the world's largest association in the field of implant dentistry. He received several scientific awards by professional organizations such as the ITI, the AO, the AAP and the AAOMS. Recently, he was honored with an Honorary Professorship by the University of Buenos Aires (2011), the Brånemark Osseointegration Award by the Osseointegration Foundation in the USA (2013), an Honorary Doctorate by the University of Szeged in Hungary (2014), the Jerome and Dorothy Schweitzer Research Award by the Greater New York Academy of Prosthodontics (GNYAP) in New York (2015), and most recently the ITI Honorary Fellowship (2017). His main research areas are in surface technology, long-term stability of dental implants, tissue regeneration around dental implants, and Guided Bone Regeneration. He has authored and co-authored with his team more than 350 publications, and several text books including two GBR books and several ITI Treatment Guides. He widely lectures at national and international conferences.

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