



## Soft tissue management in early implant placement Daniel Buser

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The concept of *Early Implant Placement with simultaneous Contour Augmentation using GBR* is one of the three treatment options in post-extraction implant placement in the esthetic zone besides *Immediate Implant Placement*, and *Late Implant Placement following Socket Grafting for Alveolar Ridge Preservation*. *Early Implant Placement* is preferably used by our group in sites with a thin or a missing facial bone wall at the extraction site. The lecture will provide all details of this well documented surgical approach using a 4 to 8 weeks soft tissue healing period post extraction, followed by implant surgery using an open flap procedure. The soft tissue management is very interesting, since the post extraction healing period offers not only an increased width of keratinized mucosa, but also a spontaneous thickening of the mucosa due to the ingrowth of soft tissues into the crestal portion of the extraction socket. At implant surgery, the crestal incision is done towards the inner palatal bone surface offering a thick mucoperiosteal flap following flap elevation. A correct 3-dimensional implant placement and contour augmentation are both important to achieve a successful esthetic outcome with high predictability. The goal is to reestablish a thick facial bone wall using a 2-layer composite graft with locally harvested autologous bone chips and a low-substitution bone filler such as deproteinized bovine bone material (DBBM). They are then covered by a collagen membrane to serve as temporary barrier. The surgery is completed with a tension-free primary wound closure. After 8 weeks of healing, the site is reopened with a punch technique, and the implant can be restored with an implant borne crown, first with a screw-retained, acrylic provisional for soft tissue conditioning and maturation, followed by a ceramic crown. This surgical approach does not require in most cases a soft tissue grafting with CT grafts, hence reducing the morbidity for the patient. The lecture will present numerous case-reports and data from long-term studies up to 10 years.

He is one of the most experienced international implant surgeons with 35 years of surgical experience. He widely lectures at national and international conferences, and CE courses to share his knowledge.

He has been Professor of Oral Surgery at the University of Bern/Switzerland (2000-19). He also served as President of various academic associations including the EAO (1996/97), and the ITI (2009-13).

He received several scientific awards, among others the André Schroeder Research Prize by the ITI (1995), the Daniel M. Laskin Award (1996), the Honorary Membership Award by the AAP (1997), the Brånemark Osseointegration Award by the AO (2013), and the ITI Honorary Fellowship (2017).

With his team, he has authored and co-authored more than 400 publications and book chapters on translational research in the field of implant dentistry. He is also Editor and main author of the famous GBR Book by Quintessence, which was published as 3rd edition in Nov 2021.

Today, he works part time in a private Centre for Implantology in Bern-Bümpliz to surgically treat implant patients. His main activity is Continuing Education. With his friend Toni Sculean, he has established 2020 the *Buser & Sculean Academy for Periodontology and Implant Dentistry*. The mission is global knowledge sharing to the young generation of implant specialists around the globe using the streaming technology by offering hybrid Master Courses with a superb faculty, lectures and live surgeries.

