Meeting clinical needs in limited bone situations with Dentsply Sirona Implants’ documented solutions

April 2016—The daily clinical challenges of limited bone situations and marginal bone level maintenance are met with clinically proven and documented treatment solutions from Dentsply Sirona Implants.

“We know that clinicians struggle every day with compromised cases where there is a lack of bone for successful implant treatment. With these solutions, clinicians are able to solve these various challenges and, as a result, they can deliver long-term function and esthetics to their patients,” says Björn Delin, DDS, and Vice President Global Platform Implant Systems at Dentsply Sirona Implants.

Short implants
If the height of a jaw bone is insufficient, bone augmentation is often required before implant placement. The short ANKYLOS 6.6 mm implant can be used to minimize the need for bone augmentation procedures.

In addition, in posterior regions of the maxilla and mandible, using longer implants can be a challenge due to lack of sufficient bone volume. In such situations, the use of short implants could be a mean to avoid different bone grafting treatments. In 3 randomized, controlled, clinical studies it was shown that 6 mm OsseoSpeed implants (ASTRA TECH Implant System) were equally successful when compared with 11 mm long implants with respect to implant survival and marginal bone level maintenance.1-4

For more information on our short implants, see the Scientific Review “Short Implants” at www.dentsplyimplants.com/Science/Scientific reviews

OsseoSpeed Profile EV implant
Marginal bone preservation is an important factor to achieve excellent esthetic results. However, it is a clinical reality that crestal bone resorbs after tooth extraction or tooth loss. This resorption is often more pronounced on the buccal side, resulting in a lingual-to-buccal sloped ridge.

The OsseoSpeed Profile EV implant is placed level with both buccal and lingual marginal bone, where the design supports the soft tissue by preserving marginal bone 360 degrees around the implant. In addition, it may reduce the need for bone augmentation.

OsseoSpeed Profile EV is the second generation of the uniquely shaped, patented implant specifically designed for sloped ridge situations that was first introduced in 2011. The implant is now upgraded with the simplicity and design principles of the ASTRA TECH Implant System EV and a welcome addition to the portfolio.
SYMBIOS Regenerative Solutions

In clinical cases where patients lack bone quantities for stable implant placement, bone graft material can help create new bone or remodel existing ridges.

Bone formation and stability are advanced with two products in the SYMBIOS regenerative solutions portfolio: the SYMBIOS Biphasic Bone Graft Material and the SYMBIOS Collagen Membrane SR (slow resorbable).

From plant origin, SYMBIOS Biphasic Bone Graft Material is a composition of 20% hydroxyapatite and 80% β-tricalciumphosphate, resorbing significantly faster than pure hydroxyapatite. The material is used for reconstruction of bony defects in maxillofacial surgery and augmentations. The SYMBIOS Collagen Membrane SR is a slow resorbable collagen membrane, designed to be absorbed in order to eliminate the need for surgical removal.

The SmartFix Concept

With the SmartFix concept for ANKYLOS and XiVE implant systems, the need for bone grafting may be avoided. Augmentation and critical anatomical areas can be largely circumvented by using implants placed in an angled position.

REFERENCES


IMAGES
are available in our News & Press Room at:

Fig.1: OsseoSpeed Profile EV implant

Fig.2: OsseoSpeed Profile EV implant

Fig.3: The SmartFix concept for ANKYLOS

Fig.4: The SmartFix concept for XiVE