



Dr. Gido Bornemann
Zahnärztliche
Gemeinschaftspraxis
Dr. Gido Bornemann
and Dr. Susanne Lemelson
Kappus-Anlage, Idstein, Germany
www.prima-biss.de



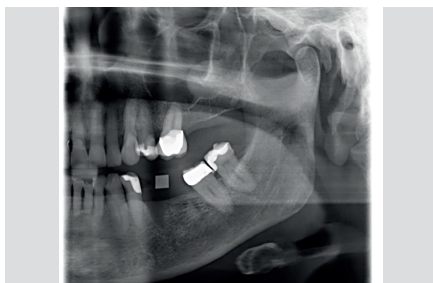
Zahntechnik:
José de San José González, ZTM
González Zahntechnik
Weinheim, Germany

Reduced need for augmentation using the OsseoSpeed® Profile EV implant and patient-specific Atlantis® Abutments

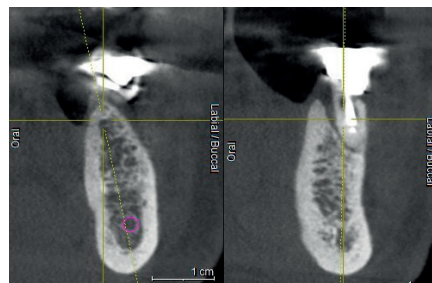
Patient: A 66-year-old female patient presented with missing teeth in regions 35 and 36 requesting an implant-supported fixed restoration.

Challenge: The patient requested implant placement without bone block augmentation procedures in spite of the sloped ridge.

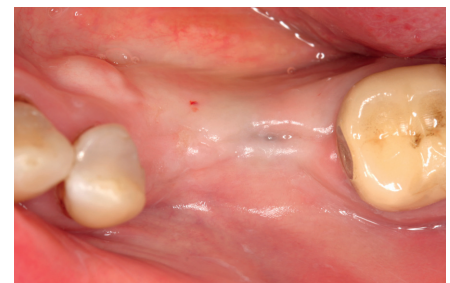
Treatment: Placement of two OsseoSpeed Profile EV implants - 4.2 S x 11 mm in region 35 and 4.8 C x 11 mm in region 36 and fabrication of two patient-specific Atlantis abutments with full-ceramic crowns as the final prosthetic restoration.



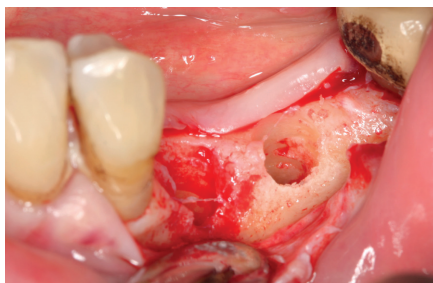
1. Initial pre-treatment x-ray showing sufficient bone height.



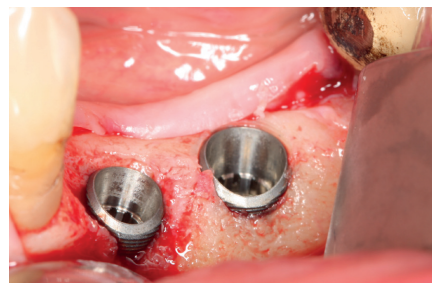
2. Cone beam CT shows a sloped ridge configuration in region 35 and 36.



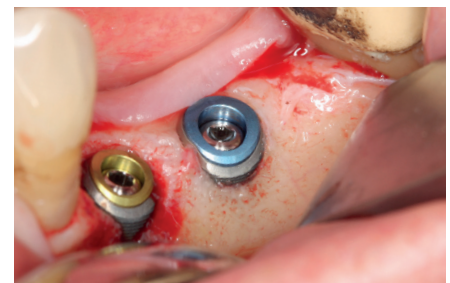
3. Pre-treatment clinical situation.



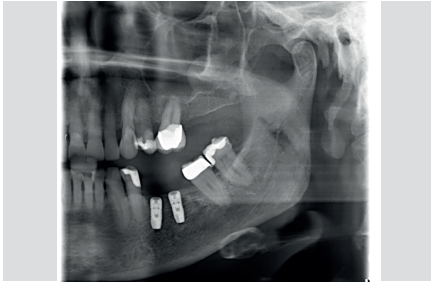
4. The clinical situation in region 35 and 36 after osteotomy preparation for a 4.2 S x 11 mm and 4.8 C x 11 mm OsseoSpeed Profile EV implant.



5. OsseoSpeed Profile EV implants placed with their lowest portion of the implant neck in the buccal direction.



6. Cover Screws Profile EV placed in the implants. A dehiscence of 1.5 mm in region 35 was covered with bone chips before suturing.



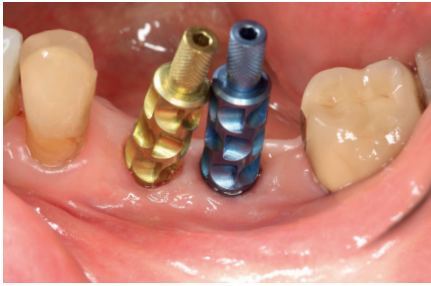
7. X-ray after implant placement. Implant necks placed epicrestally.



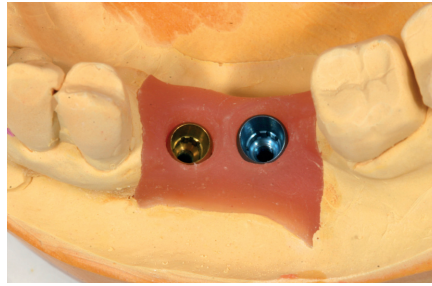
8. Clinical situation two weeks after second-stage surgery with HealDesign Profile EV installed - lateral view.



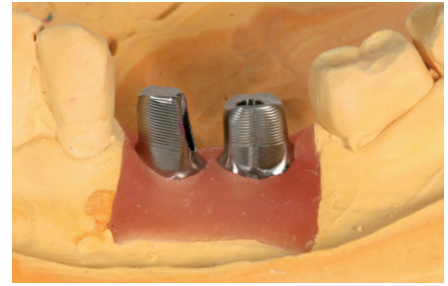
9. Clinical situation two weeks after second-stage surgery with healing abutments removed - occlusal view with healthy soft tissue situation.



10. Two Implant Pick-Ups Profile EV placed for open tray impression.



11. A master cast was fabricated and Implant Replicas EV placed together with a gingival mask.



12. Patient-specific Atlantis abutments in titanium were ordered using the Atlantis WebOrder.



13. The final full-ceramic crowns on the master cast - occlusal view.



14. The final full-ceramic crowns on the master cast - buccal view.



15. The one-position-only placement of all indexed components facilitates correct placement of the Atlantis abutments. For added simplicity and security, an Atlantis Insertion guide was used in this case.



16. Atlantis abutments after placement.



17. Occlusal view of the final restorations.



18. Clinical situation after cementation of the final full-ceramic crowns.

This case report is published as an inspiration for you as a clinician and not necessarily as a recommendation from Dentsply Sirona.

www.dentsplysirona.com

