

CASE REPORT

Prosthetic Procedure Elos Accurate® Digital Solutions



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Digital workflow with one cemented crown and a screwretained hybrid base solution on Astra Tech Implant System™ EV made on UA33° with Elos Accurate® Hybrid Base™ Bridge.

This young male patient lost 3 teeth in a bicycle accident. Two Astra Tech™ EV implants were installed after bone augmentation and soft tissue grafting. Tooth 21 was damaged coronally and a full-crown preparation was made. After osseointegration of the implants, a digital impression was made to manufacture the final monolithic crown and bridge.



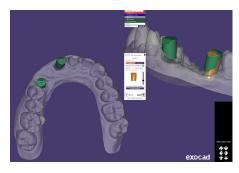


1. The diameter of the Uni-Abutments must correspond with the emergence profile of the mucosa. If the abutments are too low or too high, this may result in additional pressure or inadequate support from the bridge.



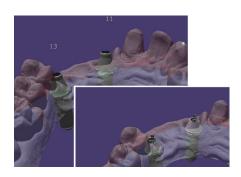
2. Two Elos Accurate[®] IO Scan Body are con- 3. The intra oral scandata is imported directly nected to the Uni Abutments and a digital impression is taken.

The scan is sent to the Cad-Cam center (Proscan) for design and production of the final Accurate IO Scan Body is aligned. restoration.

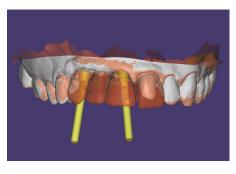


into the Exocad Design software.

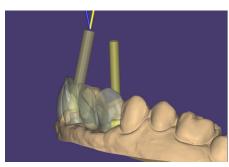
The Elos Accurate Hybrid Base Bridge for Astra Tech EV UA 33° design is selected and the Elos



4. The three-unit screw-retained bridge will be connected through the Elos Accurate® Hybrid Base™ Bridge.



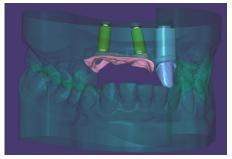
celain layering to achieve high esthetics.



5. The final restoration is designed in full-ana- 6. Angulated screw channels are created in tomy, with only a minor buccal cutback for por- the exocad software to allow optimization of the prosthetic direction and positioning of the screw channel.

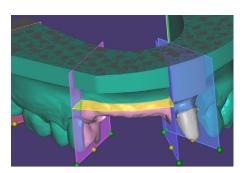


7. To design the digital model, Exocad model creator is started.

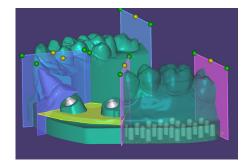


8. The analogs are automatically created when working with the Elos Accurate Library in the Exocad software.

Then the removable die on tooth 11 is designed.



9. The removable gingiva is selected and designed in the model creator.



10. In the software Valetta 2.2 the new feature *implant support width* is available. This feature ensures correct seating of the analogs and prevents movement of the analogs during the lab process.



11. The model is printed with an EnvisionTEC printer and the final framework of translucent zirconia is milled using an Imes Icore milling mashine. Both the model and framework are created at ProScan.



12. The final three-unit bridge after porcelain layering by CDT Els Dullaert and before cementation of the Elos Accurate Hybrid Base Bridge.



13. The translucent zirconia combines a natural esthetic appearance with strength.



14. The X-ray shows the passive fit that is achieved when installing the bridge on the Uni-Abutments.



15. A pleasing esthetic result is achieved, despite the loss of the interdental papilla in region 12 / 13, a consequence of the trauma.



16. Patient's smile after placement of the restoration.