

Zirkonzahn®

Human Zirconium Technology



BARTPLATTE

The Zirkonzahn Culture

PRODUCTION OF AN AESTHETIC RESTORATION DESPITE PALATAL-INCLINED IMPLANTS

The patient presented himself with complete maxillary edentulism and six implants already placed in the upper jaw. The virtual tooth set-up in the Zirkonzahn.Modellier software revealed palatal-inclined implants, which would complicate the design of an aesthetically pleasing bar-supported rehabilitation. To strike a balance between function, stability and aesthetics in the final restoration, the Bartplatte, a design-specific bar, was produced to screw the structure in place. The planned restoration consisted of a titanium bar with a secondary framework made of Abro® Basic Multistratum® resin, a material with improved translucency values, high flexural strength as well as fracture and abrasion resistance.

The design of the primary structure incorporated an innovative CAD/CAM workflow. Through the advanced function of the Bars module, the primary structure was geometrically adapted to the palatal surface of the wax-up and individualised by means of the free-forming function. Further bar retentions were then generated with the Attachment module and the bar was milled in the M2 Dual Teleskoper milling unit. The digitisation of the bar provided the basis for the modelling of the final superstructure, which was layered with Gingiva-Composites and then bonded to the primary structure.



100 % FUNCTIONALITY THANKS TO INTELLIGENT SOLUTIONS

DT Bart Ziengs – Zirkonzahn Education Center Brunico, South Tyrol, Italy



ABRO® BASIC MULTISTRATUM®

The new Abro® Basic Multistratum® resin, with natural colour gradient and improved material properties, is characterised by excellent translucency values, high flexural strength as well as fracture and abrasion resistance. Specifically designed for the production of denture teeth, this resin is also well suited for the manufacture of long-term temporaries as well as different secondary and tertiary structures.





GINGIVA-COMPOSITES

- For veneering resin structures
- For the individual characterisation of the gingival areas
- Colour spectrum based on the ICE Ceramics Tissue Colours (light to dark). Dentists and patients get an immediate aesthetic impression of the final restoration
- Especially suitable for long-term temporaries



HUMAN ZIRCONIUM TECHNOLOGY

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