

Zirkonzahn[®]

Human Zirconium Technology

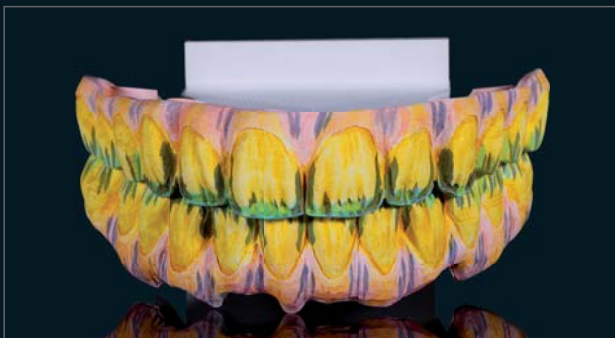


100% PRETTAU[®] ZIRCONIA – MADE BY CAD/CAM

“Perfection through perseverance” Enrico Steger

PRETTAU® BRIDGES WITH ANODISED TITANIUM BAR AND BASES

The clinical case described here shows the rehabilitations manufactured on five mandibular implants and six maxillary implants on a female patient. As a treatment plan, two occlusally screw-retained Prettau® Bridges were chosen. A scan of the two models of the patient's mouth was first performed in the S600 ARTI scanner and based on the scan data a virtual diagnostic wax-up was created in the Zirkonzahn.Modellier design software. To compensate the lack of support in the posterior region of the mandible, a titanium bar was planned as a reinforcement. After the CAD design, the bar was milled in the MI Wet Heavy Metal milling unit and then refined and polished with a surveyor. In the next step, the superstructure was adapted virtually onto the bar and milled in resin together with the maxillary restoration. The two structures were then manually layered with Gingiva-Composites and delivered to the patient for a three-month function-analysis phase. The resin's high aesthetic qualities allowed the patient to use the two rehabilitations as temporary restorations. Function, aesthetics and phonetics were checked in collaboration with the dentist and inter-oral adjustments were made. The minimally modified structures were subsequently scanned and remilled in Prettau® Zirconia. The anterior teeth were given a vestibular reduction leaving the incisal edges in monolithic zirconia. After colouring the restorations with Colour Liquid Prettau® Aquarell and sintering them in the Zirkonofen 700 Ultra-Vakuum, the two zirconia structures were characterised by applying thin layers of ceramics (ICE Zirkon Ceramics) in the reduced anterior area. As a final step, the bar and the titanium bases were anodised in a golden shade and bonded into the Prettau® Bridges.



100% FUNCTION AND AESTHETICS

DDS, Prosthodontist, David Guichet – Guichet Dental, Orange (CA), USA

DT Federico Presicci – Zirkonzahn Education Center Brunico, South Tyrol, Italy

“I wanted to have my own teeth back ... And this is exactly what I got.”

The patient





HUMAN ZIRCONIUM TECHNOLOGY

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