

Zirkonzahn®

Human Zirconium Technology



100% AESTHETICS – MADE BY CAD/CAM

“Perfection through perseverance” Enrico Steger

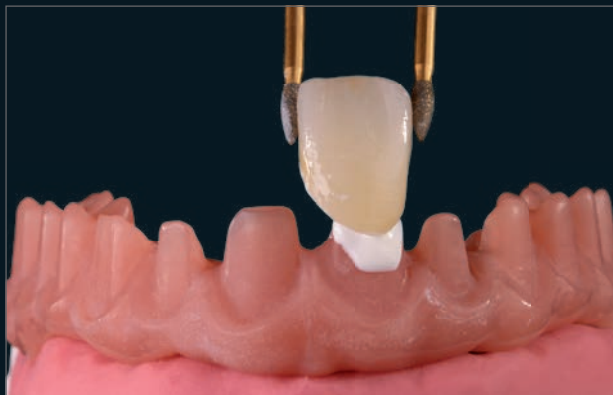
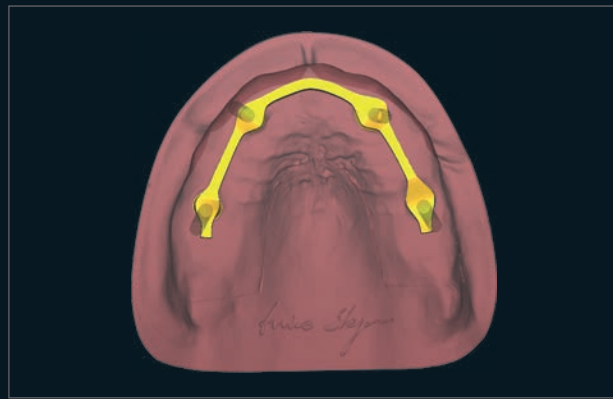
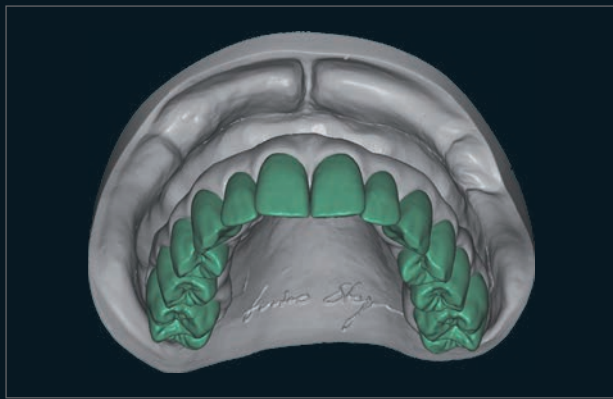
PRETTAU® ANTERIOR® ON A RESIN FRAMEWORK WITH ANODISED TITANIUM BAR

A fictitious case of an edentulous maxilla with four implants was the initial situation for the described restoration. For this case we decided to create a Toronto Bridge, composed of: a resin framework (Denture Gingiva), a metal bar for reinforcement (Titan 5) and 12 highly translucent zirconia crowns (Prettau® Anterior®). The digitised implant situation was used as the basis for the virtual set-up and the designing of the titanium bar, which was afterwards milled in the M1 Wet Heavy Metal milling unit. In order to mask the titanium bar under the zirconia crowns and the framework, we anodised the metal structure in pink with the Titanium Spectral-Colouring Anodizer. Like this, the grey value of the restoration was reduced. The following working steps consisted in the digitisation of the finished titanium bar, the CAD designing of the framework/zirconia crowns on the bar, their realisation in the milling unit, the colouring with Colour Liquid Prettau® Anterior® Aquarell and the sintering to full density in the Zirkonofen 700 Ultra-Vakuum sintering furnace. The characterisation of the sintered structures was carried out with the ICE Zirkon 3D Stains by Enrico Steger. The titanium bar, the framework and the crowns have been bonded and the gingival parts have been layered with Gingiva-Composites. At the end we finalised the restoration and high gloss polished it.



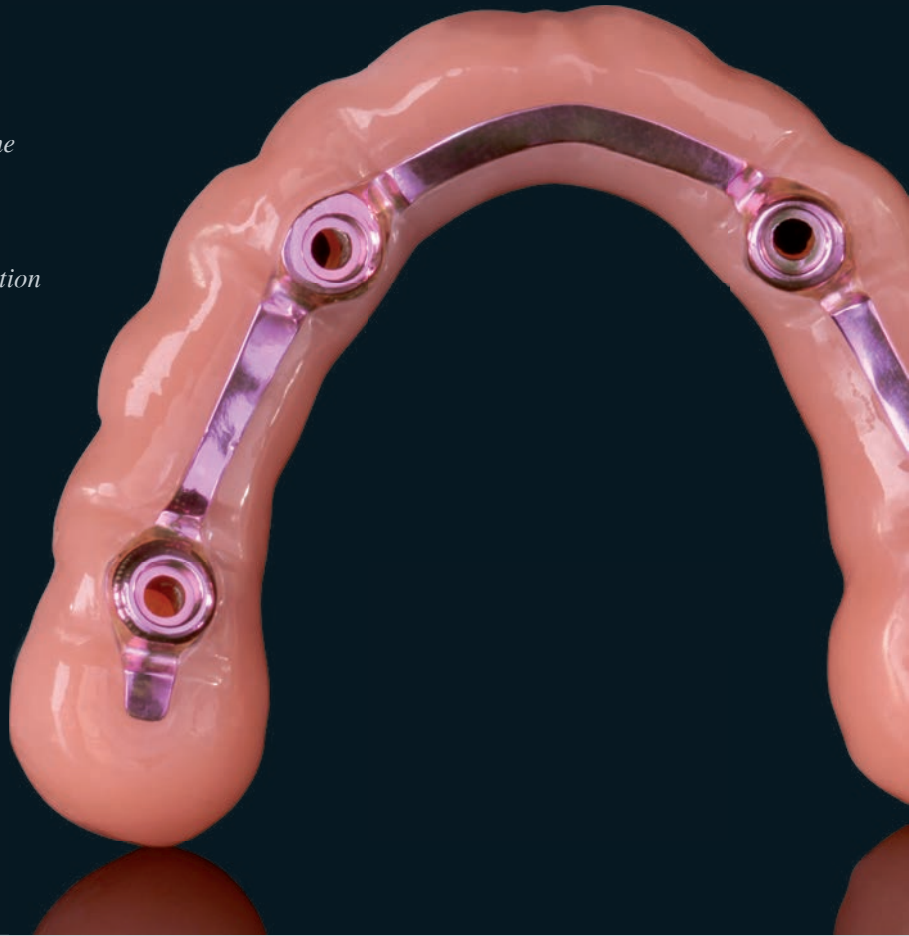
100% AESTHETICS

DT Michele Frapporti – Education Center Brunico, Italy



DENTURE GINGIVA

- *Gingival-coloured, very stable resin for the production of denture bases and primary structures*
- *Blanks in different heights for the elaboration in all Zirkonzahn milling units*
- *Particularly flexible, the risk of fracturing is greatly minimised*
- *Favourable processing qualities*
- *High durability, ideal for long-term provisionals*
- *Particularly biocompatible*
- *Can be characterised with Gingiva-Composites*



HUMAN ZIRCONIUM TECHNOLOGY

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