Zirkonzahn®

Human Zirconium Technology

100% PRETTAU® ZIRCONIA – MADE BY CAD/CAM

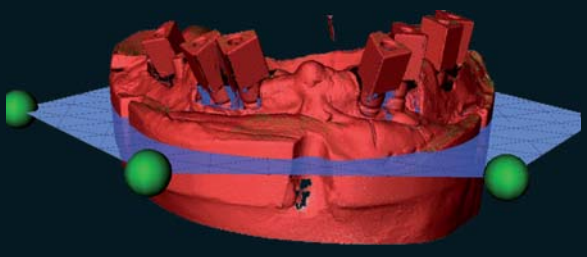
"Zirconia needs heroes" Enrico Steger

Zirkonzahn®

From temporary structure to Prettau® Bridge

Creation of screw retained upper and lower Prettau® Bridges over 8 titanium-base implants

First, a set-up of resin teeth on wax is carried out (moulds copied from natural teeth). Following, the wax set-up is transferred to the CAD Zirkonzahn.Modellier software via double scan. Contouring and fine tuning of the set-up is done on the computer. Nesting and milling of the temporary structure in Temp Basic resin are carried out on the CAD/CAM 5-TEC unit. The milled temporary is polished; titanium cylinders are cemented and the gingival areas completed in pink wax. After trial in situ, the pink wax is removed and another double scan of the bite-adjusted temporary structure is made, followed by final contour adjustments, nesting and milling in Prettau® Zirconia. A manual cutback to highlight mamelons and other surface details is performed to assist individual porcelain layering in order to achieve the optimal aesthetic outcome. Before sintering, the restoration is coloured with Prettau® Colour Liquids. After sintering, the anterior sections (13-23 and 33-43) and the gingival areas are finished with a thin veneer of ICE Zirkon Ceramics. Finally, the restoration is enhanced by surface staining and completed with a glaze fire. At last, titanium cylinders are cemented into the frame therefore ensuring a 100 % passive seat.



The Prettau® Bridge

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Georg Walcher - Zirkonzahn Education Center

Zirkonzahn®

Milled with Zirkonzahn CAD/CAM System 5-TEC

HUMAN ZIRCONIUM TECHNOLOGY

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