

Zirkonzahn®

Human Zirconium Technology

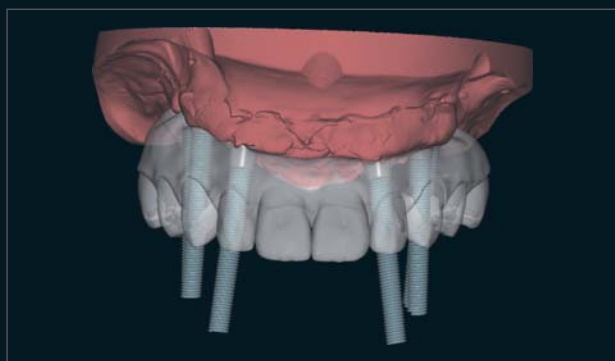


100% PRETTAU® ZIRCONIA – MADE BY CAD/CAM

“Perfection through perseverance” Enrico Steger

OCCLUSALLY SCREWED PRETTAU® BRIDGES WITH THREADED SCREW CHANNELS

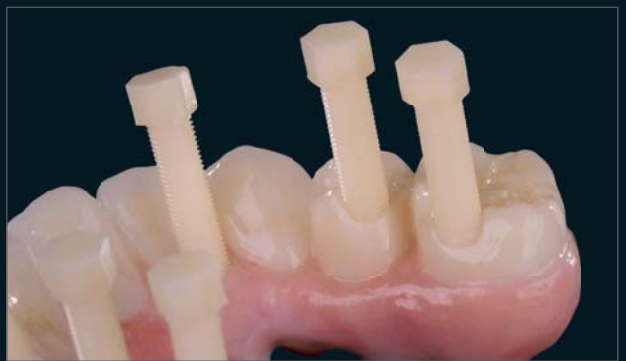
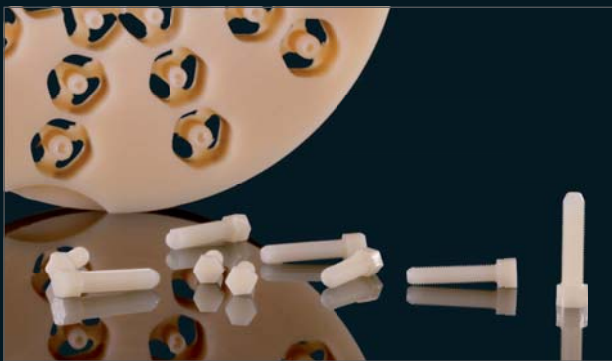
The aim of this case was supplying a young patient, who was toothless since birth, with fixed dental prostheses in the upper and lower jaw. Together with the dentist, we planned to make two Prettau® Bridges with titanium bases on implants. After the digitisation of the patient's situation, we created a digital denture on the basis of patient's previous prostheses. We chose TRITON, one of our natural tooth sets from the "Heroes Collection" library, milled the result in Temp Basic and layered the structures' gingiva with Gingiva-Composites. After finishing these resin prototype models, we sent them to the dentist for the try-in. By scanning the structures, we digitised the few modifications the dentist made and subsequently matched them with the virtual denture in our modelling software. Like this, the desired adjustments were precisely transferred. Before milling the Prettau® zirconia restoration with the M5 Heavy Metal milling unit, we digitally provided threads for the screw channels, which were milled into the structures with the CAD/CAM threads milling bur. To close the screw channels, we created suitable threaded resin screws using the CAD/CAM Milling Bur for resin threads. Then, we coloured the zirconia structures with Colour Liquid Prettau® Aquarell and we sintered and personalised them with ceramics and stains. Finally, we bonded the anodised golden titanium bases to the structures. After the final polish, the Prettau® Bridges were ready to be screwed into the patient mouth and closed with the threaded resin screw.



PRETTAU® BRIDGE

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