

Zirkonzahn[®]

Human Zirconium Technology



100% AESTHETICS – MADE BY CAD/CAM

“Perfection through perseverance” Enrico Steger

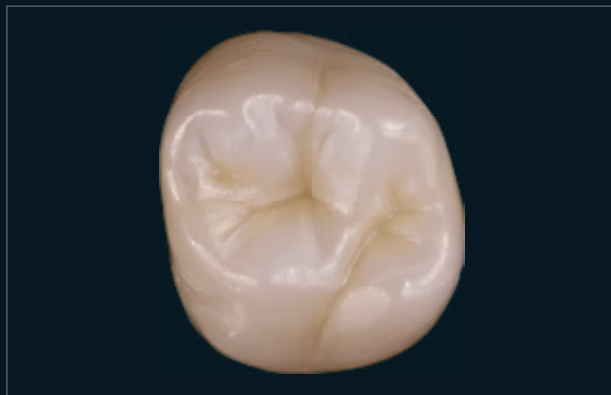
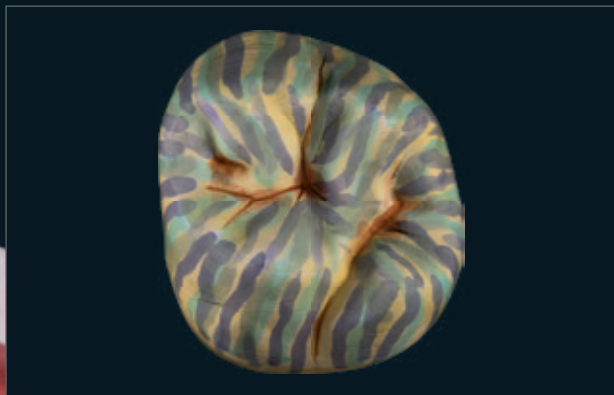
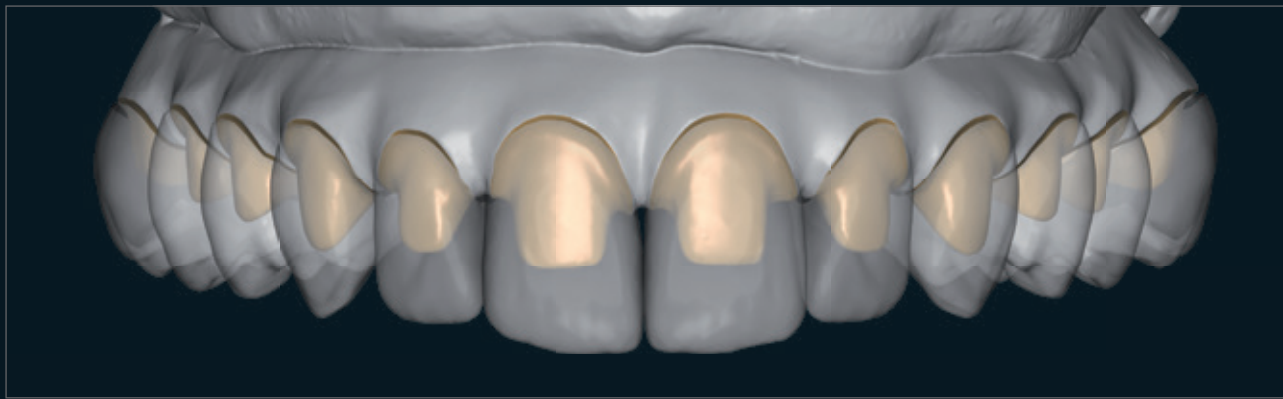
PRETTAU® ANTERIOR® ON TITAN

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 highly translucent Prettau® Anterior® single crowns cemented on a titanium framework with stumps. The anatomy of the gingiva was layered using Gingiva-Composites. Based on the digitised implant situation, we virtually modelled the titanium framework, which was subsequently milled with the M1 Wet Heavy Metal milling unit using the wet processing function. In order to mask the titanium structure under the zirconia crowns, we reduced its grey value using the Titanium Spectral-Colouring Anodizer. The titanium structure was anodised in gold for the stump areas and in pink for the gingival parts. A dual-colour anodising gives the gingiva and the teeth a more natural colour. Subsequently, we scanned the metal substructure. Based on the digital data, we then created the crowns using the SAO natural morphology from the Heroes Collection virtual tooth library. We infiltrated the crowns with Colour Liquid Prettau® Anterior® Aquarell and we sintered them in the Zirkonofen 700 Ultra-Vakuum sintering furnace. After sintering, we veneered the full-contour zirconia crowns with ceramics and personalised them with ICE Zirkon 3D Stains by Enrico Steger. Finally, we cemented the crowns on the titanium structure. The restoration was then completed by layering the gingival part, using the composite resins Gingiva-Composite Paste Tissue and Gingiva-Composite Fluid Tissue.



TITAN – MILLED IN YOUR OWN LAB ...

... with our M1 Wet Heavy Metal, M4 Wet Heavy Metal and M5 Heavy Metal milling units.





HUMAN ZIRCONIUM TECHNOLOGY

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