

Zirkonzahn®

Human Zirconium Technology



100% PRETTAU® ZIRCONIA - MADE BY CAD/CAM

“Zirconia needs heroes“ Enrico Steger

Combination of an upper removable prosthesis with a fixed prosthesis in the lower

The work presented here demonstrates the capabilities of our current CAD/CAM technology concerning removable and fixed restorations. A removable, full-anatomical-contour milled prosthesis of zirconium oxide was made for the upper arch. All important parameters such as aesthetics and function were defined in advance by a wax-up. The coloring of the restoration was carried out using the Colour Liquid Prettau®-technique. Only the buccal and the gingival aspects were veneered with a feldspar ceramic. The upper restoration was borne by six implants with CAD/CAM designed zirconia abutments over titanium bases. For additional stabilization two other passive restraint elements were integrated into the restoration. The lower was restored by a fixed zirconium oxide bridge milled to full anatomical contour. Like the upper, the lower was also individualized with the Colour Liquid Prettau®-technique. In order to give the restoration maximum stability and not to weaken it unnecessarily, feldspar veneer ceramic was only applied to the buccal and gingival areas.

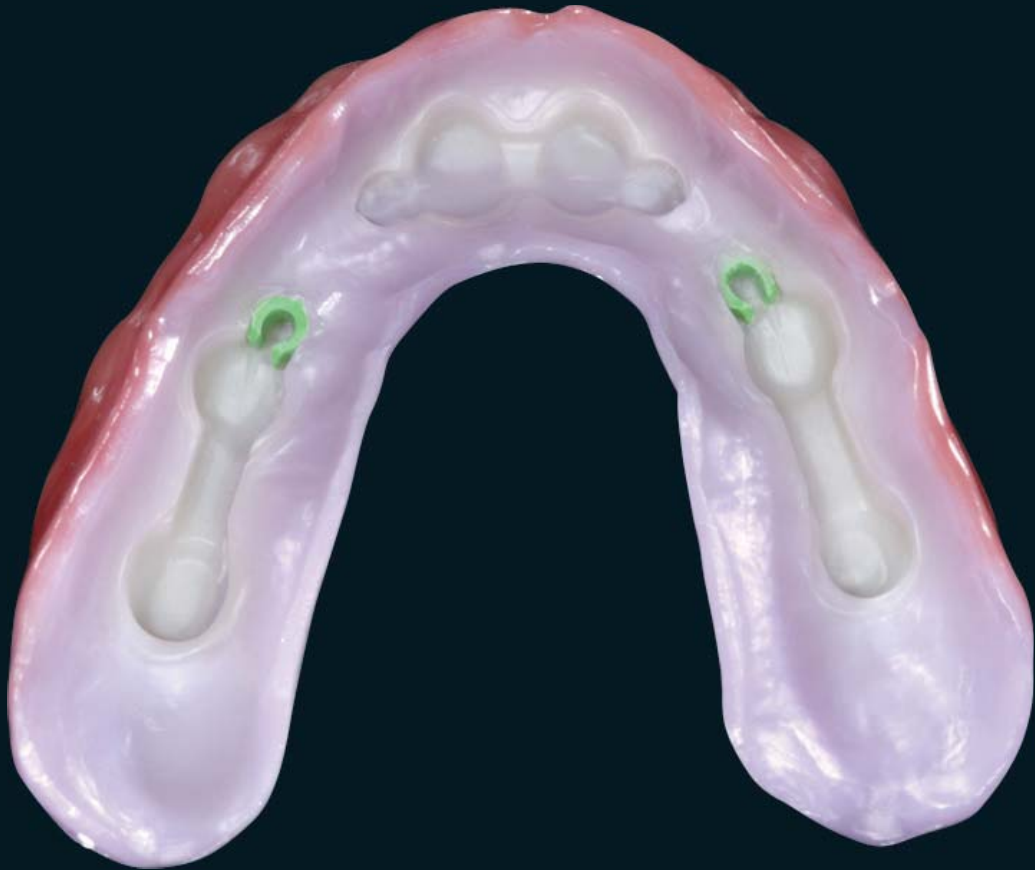
Finally, titanium bases were cemented into the upper frame to ensure passive seating of the restoration.



The Prettau® Bridge

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Milled with Zirkonzahn CAD/CAM System 5-TEC

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