

Zirkonzahn[®]

Human Zirconium Technology



100% ZIRCONIA PRETTAU[®] – MADE BY CAD/CAM

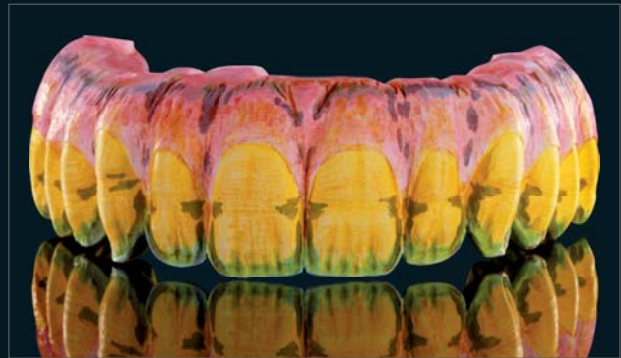
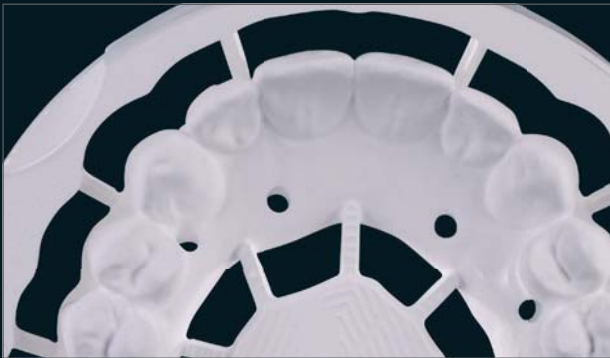
“Zirconia needs heroes” Enrico Steger

PRETTAU® BRIDGE ON 6 IMPLANTS

The patient, for whom we realized this job, required an esthetic, biocompatible and long-term stable rehabilitation. The initial situation was an edentulous maxilla with a temporary resin Toronto Bridge on six implants. Our aim was to replace this temporary restoration with a final one.

In our dental laboratory we designed and then milled a resin prototype, using the conventional bite registration and the scans of the articulated models. The patient used this prototype for two months as temporary prosthesis. During this period of time, he examined its function, esthetics and the phonetics. We always produce prototypes in our laboratory in order to provide a high level of planning reliability and to intensify the patient's consulting. The modifications made by the dentist can be easily scanned and transferred 1:1 into the CAD-planning and according to that information, the final rehabilitation can be produced.

In this case, the prototype was slightly modified. Without having to repeat the previous work steps, we were able to virtually transfer this prototype exactly to the already existing CAD-planning. After that, we milled this structure in Prettau® Zirconia with the M5 Heavy Metal. In the subsequent manual processing of the still unsintered rehabilitation, we carried out the following steps: We reduced the anterior tooth region, maintaining a full contour incisal edge and colored it with Colour Liquid Prettau® Aquarell. After the sintering, we veneered the whole structure with ICE Zirkon Ceramics, colored it with ICE Zirkon Stains 3D by Enrico Steger and completed it with a final glaze firing. We cemented the gold anodized titanium bases to the structure, and then the highly esthetic rehabilitation could be occlusally screwed into the patient's mouth.



THE PRETTAU® BRIDGE

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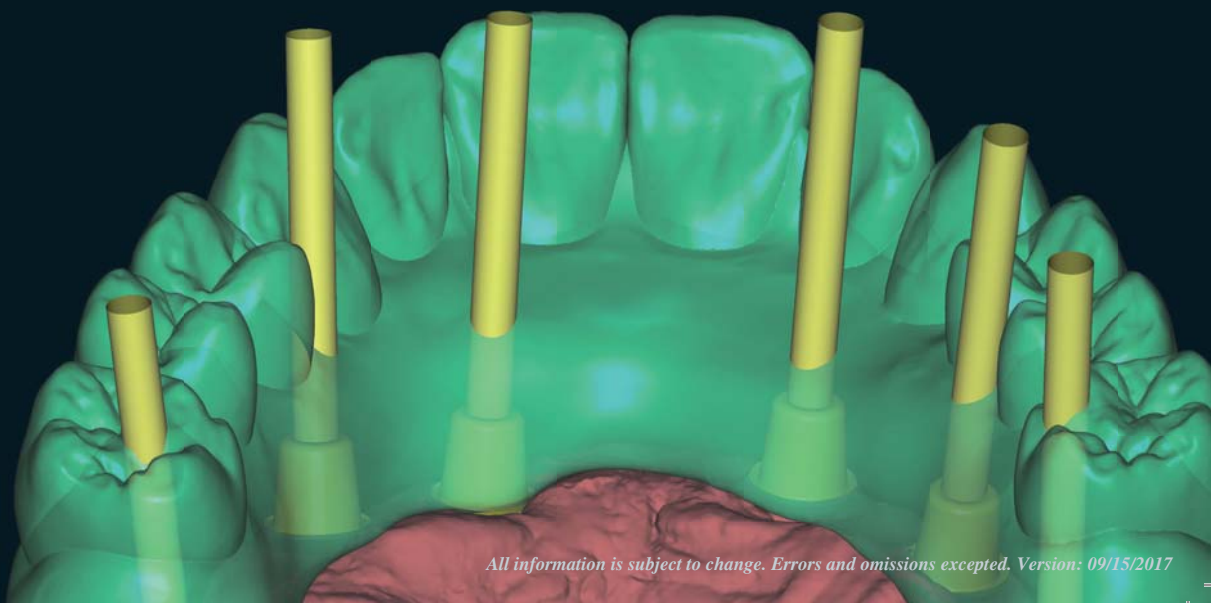
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HUMAN ZIRCONIUM TECHNOLOGY

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