

DIE ZIRKONZAHN SCHULE

The Zirkonzahn School



EDUCATOR AT ZIRKONZAHN

GEORG WALCHER

EDUCATION CENTER BRUNICO

PRETTAU® BRIDGE IN THE MAXILLA ON 6 IMPLANTS

We started off with the patient's current situation mounted on an articulator, with the implant loaded maxilla and the current mandibular situation. We scanned the working models and transported them into our digital CAD/CAM modelling software and used this data as basis for the planning of the prototype which we milled in resin and layered with Gingiva Composites. The patient wore the prototype for several months which gave her and the dentist the possibility to thoroughly check its function and aesthetics. We transferred the few changes made on the prototype by the dentist into the Zirkonzahn modelling software with the scanner and obtained the relevant data for creating a function tested implant-supported Prettau® bridge, reinforced with a titanium bar. With the help of the "bars" software module we first planned the titanium bar in the modelling software and milled it out of a titanium blank with the M1 Wet Heavy Metal milling unit. After the parallelisation, post-processing and polishing we anodised the metal structure in a golden shade, planned the superstructure with the wax-up scan of the slightly modified prototype and milled it in a Prettau® Zirconia blank. Then, we coloured the structure with Colour Liquid Prettau® Aquarell, sintered and personalised it with ceramics and stains and bonded the titanium bar to the structure.



PRETTAU® ZIRCONIA ON TITANIUM

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HUMAN ZIRCONIUM TECHNOLOGY

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