

Zirkonzahn[®]

Human Zirconium Technology



PRETTAU[®] 3 DISPERSIVE[®]

The Zirkonzahn Culture

COMPLETE RESTORATION WITH PRETTAU® 3 DISPERSIVE® SINGLE CROWNS

Initial situation: Young patient with amelogenesis imperfecta; open jaw relation with only one occlusal contact in the right first molar area

Available data: Photos, X-ray and intraoral scan data, 3D face scans

- Workflow:*
- Digital articulation with the PlaneFinder® in the Zirkonzahn.Modifier software
 - Virtual tooth set-up using the DEMI and TRITON tooth forms from the Heroes Collection virtual library; tooth individualisation
 - Design of upper and lower mock-ups, milling in Temp Premium Flexible resin and try-in in the patient's mouth. The mock-ups served as an important communication tool between the dentist, dental technician and patient.
 - Design of a gingival guide in the Zirkonzahn.Modifier software for gingivectomy
 - Minimally invasive tangential preparation by the dentist
 - Fabrication of a temporary restoration made of Temp Premium Flexible resin for the final check of occlusion and to assess the aesthetics
 - Design and production of the 28 single crowns in Exmon® Basic X-Ray for a fitting control through X-rays
 - In Zirkonzahn.Modellier, design of the individual crowns in Prettau® 3 Dispersive® zirconia (A1 shade), then milling using the M6 Teleskoper Blank Changer milling unit
 - Colour accentuation using Colour Liquid Prettau® Aquarell Intensive; characterisation with ICE Stains 3D by Enrico Steger and minimal veneering with Fresco Ceramics
 - Cementation of the zirconia crowns in the patient's mouth



MASTERING COMPLEX PATIENT CASES WITH INTERMEDIATE CONTROL STEPS

Dr. med. dent. David McReynolds – Dublin Dental University Hospital, Ireland

MDT Alexander Lichtmannegger – Zirkonzahn Education Center Brunico, South Tyrol, Italy





NEW! PRETTAU® 3 DISPERSIVE®

- The material is already provided with colour, translucency and flexural strength gradients during the manufacturing process
- **Gradual-Triplex-Technology:** a triple gradient of natural colour, flexural strength and translucency
- For reduced or monolithic single crowns, inlays, onlays, veneers and bar-supported multi-unit bridges (especially suitable for monolithic design)
- No ceramic chipping (thanks to monolithic design), and no abrasion of the antagonist
- Restorations can be characterised individually for each patient with Colour Liquid Prettau® Aquarell Intensive, ICE Ceramics, Fresco Ceramics as well as ICE Stains Prettau® and ICE Stains 3D by Enrico Steger



HUMAN ZIRCONIUM TECHNOLOGY

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NEW! 1 ORBIT – 4 DIAMETERS (95, 98, 106 AND 125 mm)

FOR THE M2 MILLING UNIT COMFORT LINE, THE M4 WET HEAVY METAL MILLING UNIT AND THE NEW M6 TELESKOPER BLANK CHANGER MILLING UNIT



VIDEO
M2 MILLING
UNIT COMFORT
LINE

