

Zirkonzahn[®]

Human Zirconium Technology



PRETTAU[®] 3 DISPERSIVE[®]

The Zirkonzahn Culture

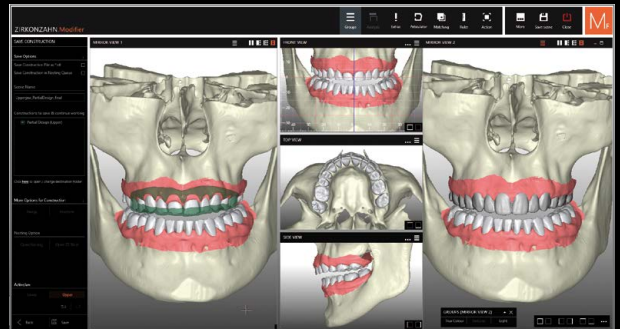
COMPLETE RESTORATION MADE OF PRETTAU® 3 DISPERSIVE® ZIRCONIA SINGLE CROWNS

Initial situation: Young female patient suffering from amelogenesis imperfecta and asymmetrical gingival contours

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

Workflow:

- Digital articulation with the PlaneFinder® in the Zirkonzahn.Modifier software
- Virtual tooth set-up using RHEIA and AIDA tooth sets from the Heroes Collection virtual library
- Design and milling of upper and lower mock-ups in Multistratum® Flexible resin and try-in in the patient's mouth
- Digital production of a gingival guide in Zirkonzahn.Modifier for the gingivectomy
- Minimally invasive preparation of the natural teeth by the dentist
- Fabrication of a temporary restoration in Multistratum® Flexible resin for final occlusion testing and aesthetic assessment; the patient wore the temporary until insertion of the final zirconia restorations
- Design and fabrication of the 27 individual crowns in Exmon® Basic X-Ray for immediate fitting control using X-rays
- In Zirkonzahn.Modellier, design of the minimally reduced single crowns and subsequent milling in Prettau® 3 Dispersive® zirconia
- Infiltration of the crowns with Colour Liquids Prettau® Aquarell Boost®, characterisation with ICE Stains 3D by Enrico Steger and minimal veneering with Fresco Ceramics
- Cementation of the zirconia crowns in the patient's mouth



FROM VISION TO REALITY – A PATIENT CASE 100 % DIGITALLY CREATED

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SCAN TO READ
THE COMPLETE CASE STUDY



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NEW! PRETTAU® 3 DISPERSIVE®

- The material is provided with colour, translucency and flexural strength gradients already during the manufacturing process
- **Gradual-Triplex-Technology:** triple gradient with natural colouring as well as increasing flexural strength and translucency values
- 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 Liquids 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

