

OPTIMUM RESTORATION OF ESTHETICS, FUNCTION AND PHONETICS WITH FULL ARCH MAXILLARY AND MANDIBULAR PROCERA® IMPLANT BRIDGES IN TITANIUM UTILISING PROCERA® ZIRCONIA CROWNS

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Patient's Chief Complaint

Our female patient requested treatment, late in 2005, with her chief complaints being:

- "I would like a beautiful smile... I'm afraid to smile anymore even though I attend so many high profile functions..."
- "I have lost my teeth... and have severe problems with my remaining teeth..."
- "I have been too afraid to undergo dental treatment...Please help!"



Maxillary and Mandibular pre-treatment photograph.



Pre-treatment photographs.

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Planning

After planning as a team what the best route of action would be it was decided for extraction of the existing teeth and placement of implants in the Mandible and Maxilla. The final result to be the provision of Procera® Implant Bridges in Titanium with cemented Procera® Zirconia restorations on the frameworks.



Maxillary and Mandibular immediate loaded provisional restoration.



Provisional bridges were used to determine and correct the final esthetics, phonetics and function.

Acrylic try-ins are converted to Titanium using the Procera® Forte scanner which are milled from electronically transmitted files to NobelBiocare™ - Sweden and converted to the present Titanium state.



Procera® Titanium frameworks tried in.



Intraoral view of full arch Maxillary and Mandibular Procera® Implant Bridges detailing gingival morphology and effects obtained with a composite glass. The Titanium Procera® frameworks are further opaqued to mask underlying Titanium.



Colour tabs are utilised to select gingival colour and effects. High quality digital photographs are used for communication.



Intraoral close-up of anterior aspect of Maxillary Procera® Implant Bridge, showing the natural appearance of the Procera® Zirconia crowns and the artificial composite glass gingival material.



Frameworks are opaqued with belleGlass™ and light cured. It has an excellent bond strength to Titanium.



Frontal view of Procera® Implant Bridge, with cemented individual Procera® Zirconia crowns giving "Beautiful Teeth Now".



Procera® Implant Bridge facial aspect (right).



Procera® Implant Bridge facial aspect (left).



Black and white photography is utilised to show individual characterisation of the Procera® all ceramic restorations.

Conclusion

Beautiful teeth can be provided for the patient in the form of the ceramic Zirconia based crowns.

NobelRondo® veneering porcelain provides the ideal optical effects of translucency, luminescence and beauty.

The Procera® Zirconia cores provide the strength necessary to restore both posterior and anterior teeth. Procera® Technology found in both the Procera® Implant Bridges and Procera® crowns (C&B&I) provide the perfect result for the perfect smile.

This article has been adapted from the poster entitled: "Optimum Restoration of Esthetics, Function and Phonetics with Full Arch Maxillary and Mandibular Procera Implant Bridges in Titanium Utilising Procera Zirconia Crowns, which won Second Prize in the Senior Ceramist category at the 2007 Nobel Biocare World Congress, Las Vegas



Our ecstatic patient showing the final results obtained with Procera® Zirconia all ceramic restorations on Procera® Implant Bridges.