

# Optimum restoration of esthetics, function and phonetics with full arch maxillary and mandibular Procera® implant bridges in titanium utilising Procera® zirconia crowns

Ronnie van Eeden,<sup>1</sup> Peter van der Meulen,<sup>2</sup> Wynand van der Linden<sup>3</sup>

## 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!"

## 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.

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.



*Maxillary and Mandibular pre-treatment photograph.*



*Pre-treatment photographs.*



*Maxillary and Mandibular immediate loaded provisional restoration.*

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



*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.*



*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.*



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



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



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

### 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.



*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.*

*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 2007 Nobel Biocare World Congress, Las Vegas*

## Obituary: Ronnie van Eeden



Ron's life was a life worth celebrating, a life that I had the privilege and honour of sharing for almost 23 years. Ron was an incredible man, so blessed, and yet so humble, soft and kind hearted, very patient, always considering others before himself, all Godly attributes. Although Ron was a perfectionist, he never saw imperfections in anyone else.

Ron was a loving husband and father, always talking about his wife Jennifer, and daughters Arlene and Lauren, their dreams, their plans, their hopes and futures. Ron loved working with Jennifer, knowing that she was there to support and help him in providing his clients with the best possible service. In terms of commitment to his work, nothing was ever too much.

You see God saw it right to bless Ron with the most incredible gifts relating to working with advanced technology and dental ceramics, changing peoples lives by creating the most beautiful and amazing smiles for them.

Ron, through his passionate dedication and pursuit of perfection earned the respect and admiration of clinicians and ceramists throughout the world. Confirmation of Ron's commitment and passion towards his profession earned him both 1st and 2nd place in the USA, in the prestigious Nobel Biocare International creative circle awards program held in Las Vegas 2007. This awards program related specifically to the ability to create beauty and esthetics in dentistry.

Ron, with his self made fly rods and huge assortment of self tied flies had a passion for fly-fishing. His favourite target species were trout, yellowfish and tigerfish.

Ron leaves behind a legacy. A legacy of passion, commitment and changed lives. We miss him terribly. We pray Gods Grace and comfort on Jennifer, Arlene and Lauren.

**Dr Peter van der Meulen**