



Dr Iñaki Gamborena

- Graduate in Dentistry, UOD 1989
- Certificate in Occlusion and Temporomandibular Dysfunction, Mexico DF, 1989-90
- Certificate in Restorative Dentistry, UANL, Monterrey-Mexico, 1990-92
- Certificate in Prosthodontics & Master of Science in Dentistry, University of Washington-Seattle (USA), 1993-96
- Diplome Kois/Spear Foundation, Seattle (USA), 1993-96
- Certificate in Oral & Craniofacial Implant Fellowship Program, University of Texas, Houston (USA), 1996-97
- Associate Professor at the University of Washington Dental School since 2001
- Associate Professor with the Department of Preventive and Restorative Dentistry at the University of Pennsylvania, School of Dental Medicine in Philadelphia since 2007.
- Assistant Professor with the Department of Periodontology, Medical College of Georgia in Augusta, Georgia, since 2009.
- Active Member of the European Academy of Esthetic Dentistry EAED
- Fellow of the International College of Dentists, since 2009.
- Speaker at many courses at both national and international level
- Author of a number of articles and of the book "EVOLUTION"
- Private practice dedicated to Dental Aesthetics, Prosthetics/Implants in San Sebastián

Full-mouth rehabilitation

using **Essentia** composite and **OPTIGLAZE colour** characterisation material in combination with a multi-layer thermoforming technique based on wax-up

Clinical case report by **Dr Iñaki Gamborena**

The increasing reliability of composite restorations has made them a genuine alternative treatment for full-mouth oral rehabilitation and a conservative option when recreating to a certain degree the function and aesthetics lost by the patient. Performing a full-mouth rehabilitation with composite represents a great challenge, especially in regard to the creation of interproximal contacts as well as ideal contours and occlusion, while still ensuring a natural integration of the restorations with the original dentition.

Technique

This clinical case report outlines a simple technique for full-mouth rehabilitation using a thermoformed tray to create direct composite restorations. This technique consists of creating a full-mouth rehabilitation wax-up, duplicating it in stone and then using a thermoforming device to create a guard that will be used to mold the direct restorations. This guard is obtained using a highly precise

transparent PET-G thermoplastic (belonging to the polyester group) and a Biostar pressure-molding (thermoforming) machine, which will heat the sheet of plastic and press it (with 20bar pressure) against the stone duplicate of the wax-up. The advantage of this method is that it provides a reliable duplicate of the wax-up, free of any distortion and precisely reproducing the sculpted anatomy.



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