



# Preserving the posterior functional dentition

By David Gerdolle, Switzerland



*Dr. David Gerdolle obtained his diploma of dental surgeon at the Faculty of Dental Surgery, University of Nancy (France) in 1993. Since then he achieved Postgraduates in Orofacial and Osteoarticular Biology and Prosthodontics and Adhesive Dentistry. He was part of the teaching staff of the faculty of the University of Nancy between 1993 and 2005 and since 2006 he runs a private practice in Vevey-Montreux (Switzerland). His practice is dedicated to minimally invasive dentistry and adhesive techniques.*

*Dr. Gerdolle is involved in various postgraduate courses at the University of Paris (France) as well as in research programs on composite resins at the University of Nancy. He regularly gives presentations in various conferences and seminars, conducts practical work as well as live demonstrations on patients in the field of adhesive dentistry and indirect restorations in particular. He has published numerous articles in national and international journals on this subject.*

The choice of the restorative material, especially for indirect restorations, is always based on the requirements of the individual case. Factors such as aesthetics and required strength have to be considered, but other aspects, such as chewing forces and antagonist teeth should not be forgotten either. In the following case, the nature of the antagonist and the size of the restoration require a material with a low abrasive rate, yet strong. CERASMART™ 270 is a new hybrid ceramic with a refined structure, that makes it exceptionally strong and smooth, with less risk of wearing the antagonists.

A 66-year-old female patient came to the practice because she was concerned about tooth 37, which had a large restoration. She was afraid that the tooth might fracture because of the dentine pins with which the restoration was fixed.

The patient still had her natural dentition in lower arch, but at the upper arch, she was wearing a full removable prosthesis with resin teeth. The old, large composite restoration and three parapulpal pins were removed from tooth 37. The tooth



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