

Indirect bonded restoration in severely compromised teeth

Choosing the ideal coronal restoration is often complex for the clinician, especially in the case of seriously compromised elements. In these situations the therapeutic options must be carefully planned, evaluating the quantity of residual structure and the load onto which the dental element will be subjected to.

The restorative maneuvers must avoid additional sacrifice of sound structure while at the same time guaranteeing maximum protection of the element, especially in respect to the risk of root fracture. Every time that it is possible to use ceramic veneers in the anterior area instead of full crowns, the outcome will be the maximum care of residual dental structure with excellent bio-mechanical and aesthetic results.

Partial coronal preparation in the posterior area, as opposed to full crown preparation, allows occlusal protection with maximum respect for the remaining cervical tissue in absolute regard for the marginal periodontium. Modern restorative materials used for partial crown restorations, applied with rigorous adhesive techniques, present numerous bio-mechanical, biological and aesthetic advantages in the restoration of the most compromised teeth. This type of therapeutic approach is revolutionizing the "classic" treatment carried out with aggressive interventions (such as the use of posts and complete crowns) and has all the advantages of the simplicity of the intervention and the predictability of the result.



Riccardo Becciani

Dr. Becciani graduated with honors in Medicine and Surgery from the University of Florence in 1983 and then completed his specialization in Dentistry from the University of Siena in 1989. From 1992 to 2006 he taught endodontics, aesthetics and adhesive dentistry at the University of Siena.

Author of numerous scientific papers regarding endodontics and restorative dentistry, Dr. Becciani is the author of the chapter on ultrasounds in the text "Endodontics" by Dr. Castellucci and the chapter "Restoration of the Endodontically Treated Tooth" in the new English edition of

the above mentioned text. He collaborated with Dr. Mauro Fradeani on the text "Esthetic Rehabilitation in Fixed Prosthodontics Vol. 2".

Active member of numerous Italian scientific dental societies such as the Accademia Italiana di Conservativa (Italian Academy of Restorative Dentistry), and the Società Italiana di Endodonzia (Italian Society of Endodontics).

Speaker at numerous courses and congresses in Italy and abroad, Dr. Becciani has covered topics such as the biomechanics of the endodontically treated tooth, aesthetics and adhesive restoration.

