

Class II DO on Second Bicuspid

Procedure/Study by

Dr. Enrico Cogo, DDS

Composi-Tight® 3D XR 



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By Enrico Cogo DDS

Dr. Cogo graduated from the University of Ferrara, Italy with a degree in Dentistry in 2005. Since 2006, he has been a visiting professor at the Dental School of the University of Ferrara. Dr. Cogo is also a frequent speaker at courses and conferences on dental bleaching and esthetics, as well as direct and indirect adhesive restorations. He is the author of several scientific articles in national and international journals, and with his associates, Pietro Sibilla and Roberto Turrini, wrote the book "Sbiancamento dentale: metodi per il successo," edited by Quintessenza Edizioni and translated into German. Dr Cogo also has private practices in Legnago (Verona), Ferrara, Goito (Mantova) and San Giuseppe (Ferrara).

Introduction:

3D rings are the real topic of Garrison's systems. The "v" shape of a ring that fits in the interproximal area allows a good fit between the cavity margins and the matrix in the buccal and palatal walls. This results in easier positioning of the composite masses close to the cavity margins, and final remodeling (usually necessary at the time of removal of the matrix) will be very minimal.

The rings also permit a divergence of the interproximal dental elements, which causes a great point of contact.

Garrison systems make second class restorations more simple and more predictable and also reduce the operating time of the finishes when the matrix is taken off.



01

Pre-op situation. Patient needs to replace an old amalgam restoration on 1.5.



02

Dental elements are isolated with rubber dam to avoid contamination of the area and improve visibility.

**03**

Picture of the cavity after removing the amalgam restoration and after performing the cleaning of cavity.

**04**

After finishing of the cavity, a sectional matrix Composi-Tight 4.6 mm, a wooden wedge and 3D XR ring are placed. The ring is placed on the wedge and causes a slight divergence which will result in an excellent point of contact at the end of the restoration.



05

Situation after removing ring, matrix and wedge. Good position the matrix and the use of an adequate ring allows minimum interproximal finishing at the end of the stratification.



06

Post-op view after polishing and check occlusion. A good contact area is performed between elements 1.5 and 1.6.



Garrison
Dental Solutions

150 DeWitt Lane
Spring Lake, MI USA
49456
Toll free 888.437.0032

European office:
Carlstr. 50
52531 Uebach-Palenberg
Germany
Tel. +49 (0) 2451 971 409

www.garrisondental.com

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