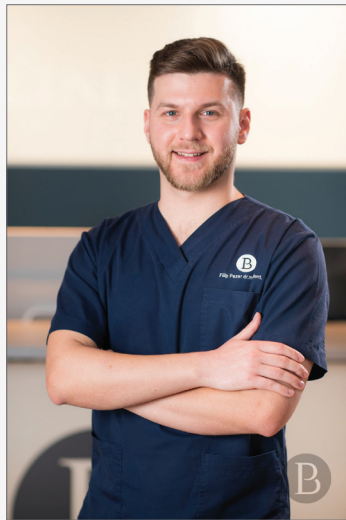


# CASE STUDY

## Interproximal restorations using Composi-Tight® 3D Fusion™



Dr Filip  
Pezer

Nowadays, interproximal caries is the most common type of dental pathology and therefore the most common restorative procedure in the posterior area is the interproximal filling. Restoring adequate cervical contour and tight interproximal contacts are of utmost importance for long term stability of such restorations. Loose contacts and cervical overhangs lead to development of secondary caries and periodontal pocket.

Modern sectional matrices, interproximal wedges and ring systems like the Garrison sectional matrix system (in this case, Composi-Tight® 3D Fusion™ Sectional Matrix System Kit) make the procedures more predictable and allow dental practitioners to restore such cavities easily.

The presented case is removal of the interproximal caries with deep cervical margin and wide buccal and palatal extensions. After the cavity preparation and isolation with the rubber dam, Garrison Composi-Tight® 3D Fusion™ matrix with extension, Blue (small) wedge and Wide Prep (green) ring were placed. The wide extensions of the ring allow to restore adequate buccal and palatal contours of the tooth. The sectional matrix is easily shaped to restore proper anatomy and tight contacts. The rest of the cavity is filled with respect of the simplified tooth anatomy. Rough polishing and contouring were done under the rubber dam isolation. After the removal of the rubber dam the procedure ends with fine polishing and occlusal corrections.

**Garrison**  
Dental Solutions

150 DeWitt Lane  
Spring Lake, MI USA  
49456



contactme@garrisondental.com  
[www.garrisondental.com](http://www.garrisondental.com)



Fig. 1 Tooth 25 with cavitation mesial, occlusal view, initial situation



Fig. 2 Tooth 25 with cavitation, mesial buccal view, initial situation



Fig. 3 Prepared cavity with reduced palatal surface profile, subsequently polished distal tooth surface 24



Fig. 4 Isolation of the quadrant with rubber dam



Fig. 5 Placed Garrison premolar matrix and green ring, before etching and adhesive procedure



Fig. 6 Appearance of restoration with rough polishing



Fig. 7 Final polishing, occlusal view



Fig. 8 Final polishing, buccal view, restored contact surface and preserved mesial tooth profile

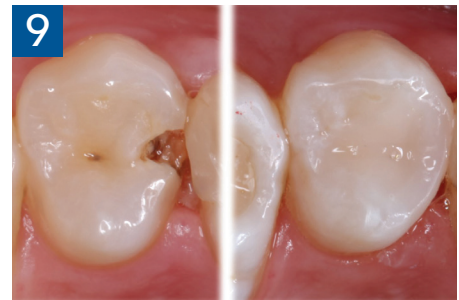


Fig. 9 Before/after occlusal

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[www.garrisdental.com](http://www.garrisdental.com)