

CLINICAL CASE

Direct cusp covering of vital element with very deep cervical margin



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The case presents the need to seal the cervical margin which is in a very deep position, even if it can be isolated with a dam, and to recreate an adequate emergence profile. Thanks to the particular design of the Slick Band matrices, this step was easy and made it possible to bring the restorative margin into a favorable position. Subsequently, after having recreated the direct covering of the missing cusp, thanks to a previously created silicone index, the missing proximal wall was reconstructed thanks to the aid of a 3D Fusion anatomical matrix, very useful for obtaining a correct emergence profile and an appropriate proximal contact point. Finally, the modeling of the restoration was completed and the correct occlusal contacts were checked



1 Clean cavity with deep cervical margin



2 Occlusal view. Vital element



3 Slick Band matrix placement with correct emergence profile



4 Precise adaptation of the matrix to the margin



5 Selective enamel etching



6 Universal adhesive



7 Highly filled flowable composite for reconstruction of the deep cervical margin



8 Margin sealed and dentin covered with flowable composite



9 Restorative margin in a favorable position and with correct profile



10 Silicone index to reconstruct the missing cusp



11 Reconstructed stamp cusp



12 Correct adaptation of 3D fusion matrix to the new restorative margin



Placement of composite resin for the proximal wall



Proximal wall just reconstructed



Completion of the modeling of the occlusal table



Characterized, finished and polished restoration



Lateral view of the correct emergence profile recreated



Just removed the rubber dam



Occlusal check