

HOW TO TREAT A CARIES LESION WITH CARISOLV - STEP BY STEP

Case treated by Dr. Stefan Edgren, Dentist, Partille Implantat Center. Carisolv can be used in any case with caries in the dentine. It could be hard to solve situations, like deep cavities or crown joints or a daily case with an easy access

1. The patient has an approximal caries lesion on the first upper premolar (tooth no 24). The adjacent premolar has previously been extracted.



2. Carisolv gel is applied to the lesion. Wait for 30 seconds.

3-4. The gel becomes cloudy. This is an indication of remaining carious tissue.



5-6. Hand instruments are used to remove the bulk of the infected dentine. Clean the cavity of cloudy gel. Apply more gel and continue the mechanical treatment. Repeat until cavity is caries free. When the added gel does not get cloudy any longer this indicates that no more infected caries dentine is remaining. Use a regular probe to evaluate the caries free surface.



7-8. At the discretion of the dentist, ceramic minimal wave drills may be used to remove the infected dentine.



9. Cavity after treatment is completed. All affected dentine has been removed and the dentine surfaces now has a leathery appearance. The surface has an uneven topography that increases the surface area available for retention of the restorative material.



10. Regular procedures prior to application of restorative material is performed.

11-12. The final result.





"Using Carisolv I am able to work with precision, and can report that cavities are caries free after my work has been completed"

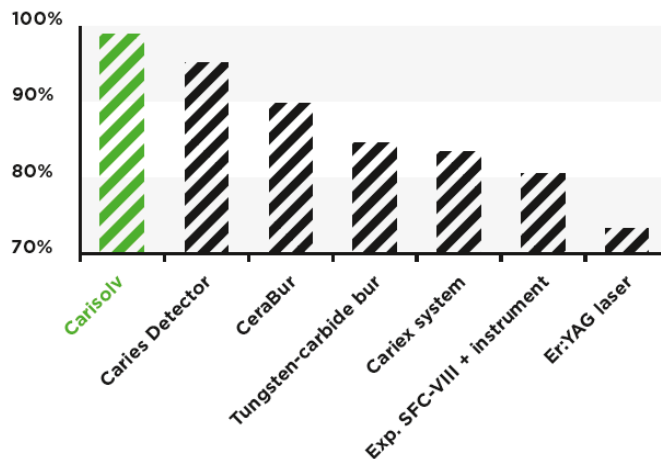
Dr. Peter Wilhelmsson, Dentist at the Implant Clinic in Linköping, Sweden



"Carisolv has enabled me to provide less invasive treatment and better control when treating deep cavities"

Dr. Stefan Edgren, Dentist at the Partille Implant Centre, Sweden

Bond strength achieved with different caries removal techniques



Neves A, et al, Microtensile bond strength and interfacial characterization of an adhesive bonded to dentin prepared by contemporary caries-excitation techniques DENTAL MATERIALS 27 (2011) 552-562.

Useful References

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