

Icon Resin Infiltration for managing dental lesions - Case report



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Icon dental resin infiltration features microinvasive technology for removing spots that form when teeth are developing, defects caused by poor oral hygiene, possibly formed when a patient wear braces, or teeth with fluorosis or hypoplasia.

The aim of this paper is to present a clinical case of local hypoplasia treated using the resin infiltration technique, thus reviewing the mechanism of action and clinical procedure.

Case Description: A female patient aged 32 years reported a complaint of whitish patches on the front teeth. The patient was explained about various treatment options, and decided to be treated with Icon resin.

The procedure was performed with

currently available Icon Resin wich

contains three components: Icon-Etch:

ethanol, Icon-Infiltrant: methacrylate-

15% hydrochloric acid, Icon-Dry: 99%







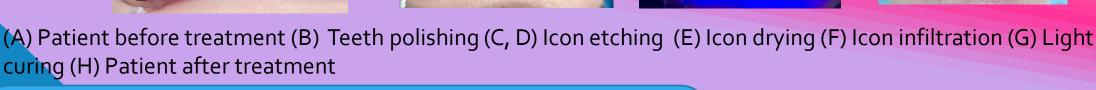






Icon-Etch is the first step gently put onto the tooth surface and then allowed to sit for a period of 2 minutes, followed by a 30-second rinse with water. Icon-Dry is the second step of the procedure. This step ensures adequate adhesion of the low-viscosity resin within the lesion. At the end we applied The Icon-Infiltration gel to the lesions and left to sit for 3 minutes. Before light curing, the excess resin was cleaned from the interdental spaces with a microbrush and dental floss.







based resin matrix.



Conclusion: It is a microinvasive procedure where etching only erodes 30 to 40 μ m of enamel, which is then infiltrated with resin. Also can remove caries in lesions that are too advanced to be treated with fluoride.