



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 which contains three components: Icon-Etch: 15% hydrochloric acid, Icon-Dry: 99% ethanol, Icon-Infiltrant: methacrylate-based resin matrix.



(A) Patient before treatment (B) Teeth polishing (C, D) Icon etching (E) Icon drying (F) Icon infiltration (G) Light curing (H) Patient after treatment

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

