



Conservative aesthetic improvement for teeth with enamel hypomineralization

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I. Introduction

Hypomineralized enamel defects have mottled white appearance and are associated with variable degrees of discrete yellow-brown intrinsic staining. Degrees of hypomineralization can range from mild enamel opacities to enamel that readily abrades from the tooth as it emerges into the oral cavity. The management of enamel hypomineralization depends on the severity of the enamel defect and patient's esthetic needs.

The aim of this presentation is to provide a treatment modality that conserve tooth structures.

II. Case Presentation

< Case I >

1. Age/Sex: 14/F
2. Chief Complaint: unaesthetic of smile due to ugly front teeth
3. Past Dental History: the patient was grown up in the country where the water supply was known to have a high fluoride content
4. Present Illness: chalky white appearance & brown discoloration in the incisal one-third of central incisors
5. Impression: dental fluorosis with enamel hypomineralization
6. Tx Plan: combination treatment of bleaching & microabrasion

< Case II >

1. Age/Sex: 19/F
2. Chief Complaint: want to correct the whitish defects of the anterior teeth and to close the space
3. Past Dental History: N/S
4. Present Illness: mottled white appearance of entire dentition
5. Impression: enamel hypomineralization
6. Tx Plan: laminate veneering

III. Conclusion

This treatment regimens produced satisfactory results and met the goals of the conservative treatment.