



GREAT SMILES

PEDIATRIC DENTISTRY & ORTHODONTICS

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Indications for Enamel Microabrasion

- Enamel Microabrasion is indicated for coloration defects that are within the superficial enamel layer (depth of discoloration sole determinant of success).
- Enamel dysmineralization is a defect in the development of the mineral part of enamel which causes imperfections in the appearance of the tooth surface, appearing as white, brown or multicolored spots and streaks.
- Enamel dysmineralization may be due to excess fluoride, trauma or unknown causes.

Technique Indicated with:

1. Fluorosis defects (white and brown spots and streaks)
2. Isolated white opacities
3. Smooth surface decalcification lesions (usually white spot lesions after braces)
4. Multicolored discolorations
5. Bracket windows left after braces on teeth with mottled enamel.

Technique not Indicated with:

1. Tetracycline staining (dentinal discoloration)
2. Dentinogenesis imperfecta
3. Tooth discoloration from congenital erythropoietic porphyria or bile duct abnormalities
4. Deeply penetrating enamel hypoplastic defects
5. Most amelogenesis imperfecta defects
6. Darkened teeth after endodontic treatment
7. Carious lesions underlying regions of decalcification

Considerations in timing of treatment:

1. If concerned with esthetics, we can do treatment when all four upper incisors are erupted in.
2. If esthetics are not a big issue, ideally we would wait until all orthodontic treatment is finished. We prefer not to microabrade teeth multiple times if it can be avoided.
3. At anytime, once all teeth are in and patient desires treatment.