



Amelogenesis Imperfecta and Dentinogenesis Imperfecta

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What is Amelogenesis Imperfecta?

Amelogenesis Imperfecta is a genetic disorder of tooth development in which the teeth are covered with **abnormally thin enamel**.



WHAT IS DENTINOGENESIS IMPERFECTA?

DENTINOGENESIS IMPERFECTA IS A GENETIC DEFECT OF DENTIN FORMATION GIVING A TRANSLUCENT COLOR TO THE TEETH.



Amelogenesis Imperfecta and its effect on oral health



Due to the abnormally thin enamel of the AI, it can cause a range of oral health problems such as, tooth fractures, tooth sensitivity during brushing and mastication, and continuation of enamel depletion.

Dentinogenesis Imperfecta and its effect on oral health



DI has a yellow brown discoloration that appears opalescent due to the abnormally colored dentin shining through the translucent enamel. Due to its lack of support of the poorly mineralized underlying dentin, the enamel frequently fractures from the teeth leading to rapid wear and attrition of the teeth.

Treatments for Amelogenesis imperfecta and Dentinogenesis imperfecta

Treatments range from preventive care using sealants, porcelain veneers, and prosthetic reconstruction.

* Veneers are attached by the dentist.



Amelogenesis
imperfecta



Dentinogenesis
imperfecta

What can Hygienists do to help?

If The patient had treatment done, the dental hygienist can help by

- ▶ seeing the patient regularly for recall appointments
- ▶ Patient education on how to perform home oral care

If the patient has no treatment done

- ▶ document and notify the dentist
- ▶ be as careful and delicate when caring for these patients because of the abnormal enamel/dentin