

Nasmyth's Membrane and
Dentigerous Cyst

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What is Nasmyth's Membrane?

- Is a residual membrane left over after a tooth eruption.
- Consists of oral epithelium, Reduced Enamel Epithelium and dental cuticle from ameloblasts on enamel surface.
- It can occur in both dentitions.



<http://www.richmondinstitute.com/article/preventive/concerns-for-the-child-patient/7>

What is Dentigerous Cyst?

- Also known as a follicular cyst, a dentigerous cyst is an odontogenic cyst that forms from the Reduced Enamel Epithelium after the crown has formed and matured
- Forms around the crown of a non-erupted or impacted developing tooth.
- Commonly found in third molars, and even maxillary canines

http://digitalcommons.uconn.edu/sodm_pres/1/



Clinical Characteristics

- With Nasmyth's membrane is an extrinsic green-gray staining due to the collection of food debris. Patients may feel uncomfortable with the color and physical appearance of their teeth.
- Dentigerous cyst are asymptomatic at first. However the cyst can increase in size in the bone and cause pain, displaced teeth or fractured jaw.

Our Job as Hygienist

- With Nasmyth's membrane we should reassure the patient that this is a treatable extrinsic stain through the use of selective polishing. Also stress the importance of proper oral care to remove food debris since the membrane is influenced by it.
- For Dentigerous cyst, a surgical treatment of removing the impacted or partial erupted tooth is beneficial, even with an asymptomatic cyst. It helps prevent future complications and from neoplasia.