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### **ORAL MANIFESTATIONS OF NOONAN SYNDROME**

Noonan Syndrome (NS) is a variably expressed, multi-system disorder with an estimated prevalence of 1 in 1000 to 1 in 2500. It is characterized by short stature, congenital heart defect, and developmental delay of varying degree. The following are oral manifestations that are common with Noonan Syndrome:

- High arched palate
- Tooth crowding
- Micrognathia
- Delayed eruption/exfoliation of primary teeth
- Delayed eruption of permanent teeth
- Teeth that fail to develop (maxillary lateral incisors, third molars, mandibular premolars)
- Root anomalies (taurodontism of mandibular molars)
- Develop central giant cell granulomas at a greater incidence than the general population
- Many have bleeding disorders (platelet aggregation defects, Von Willebrand disease, etc.) May need to consult with hematologist prior to any surgical treatment

If there are any questions, feel free to contact me at my office or send an email to [eric.browning77@gmail.com](mailto:eric.browning77@gmail.com)