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| **Name:** |
| Jacob Scholz |
| **Group:** |
| 2B-4 |
| **Basic Science Question:** |
| What can cause an impacted tooth? |
| **Report:** |
| An impacted tooth is a tooth which has failed to erupt from the gums. The permanent maxillary canine is the most frequently impacted tooth. Most commonly it is an unilateral condition; 60-75%. Maxillary canine impaction can be caused by many different factors: Hard tissue obstructions, soft tissue lesions, anomalies of neighboring teeth, and genetic and environmental factors.  Causes   * Hard tissue obstructions   + supernumerary tooth   + odontoma * Soft tissue lesions   + Trauma * Anomalies of neighboring teeth (environment)   + If the premolar has erupted with a mesiobuccal rotation, the palatal roots are directly in path of canine. * Genetics (inconsistent factor)   + If canine impaction was controlled by genetic factors bilateral canine impaction would be more common than unilateral impaction. This however is not the case with 60-75% of canine impaction being unilateral. |
| **References:** |
| [https://doi.org/10.1016/j.ajodo.2015.06.013](https://0-doi-org.libus.csd.mu.edu/10.1016/j.ajodo.2015.06.013)  (Etiology of maxillary canine impaction: A review)  <https://0-pubmed-ncbi-nlm-nih-gov.libus.csd.mu.edu/26231817/>  (Surgical Treatment of Impacted Canines: What the Orthodontist Would Like the surgeon to know) |