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| **Name:** |
| Jake Knight |
| **Group:** |
| 10A-3 |
| **Basic Science Question:** |
| What is an apicoectomy? |
| **Report:** |
| An apicoectomy is explained as a procedure to remove apical pathology of a tooth’s root structure. This procedure is typically performed following a root canal, when non-surgical root canal therapy does not resolve the pathology. Apicoectomies can also be performed in instances of an obstructed canal or perforated root. Apicoectomy procedures are typically avoided when the tooth in question lacks proper periodontial support or if the tooth is deemed non-restorable. This procedure is performed by removing apical pathology as well as a portion of the root’s apex, and is completed by placing a sealant at the apex. A bone graft and membrane often accompany this sealnt to aid in the regeneration of apical tissue. The overall purpose of an apicoectomy is to remove pathology to allow for proper healing of the root apex and surrounding tissue in order to restore normal structure and function to that specific tooth. |
| **References:** |
| Arx, T. V. (2005). Failed Root Canals: The Case for Apicoectomy (Periradicular Surgery). *Journal of Oral and Maxillofacial Surgery,* *63*(6), 832-837. doi:10.1016/j.joms.2005.02.019  Setzer, F. (2019, March 24). What is an apicoectomy? Retrieved November 04, 2020, from https://www.eoi.nyc/video-of-what-is-apicoectomy-or-root-end-surgery-procedure-recovery-from-risks-of-success-rate-and-apicoectomy-failure/ |