**Critically Appraised Topic (CAT)**

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| **Project Team:**  |
| **7B-1** |
| **Project Team Participants:**  |
| **Jesus Echezarreta, Gabriella Andrie, Omar Karim, Alex Orzepowski** |
| **Clinical Question:** |
| **In patients with permanent teeth blocked from eruption by supernumerary teeth, does extraction and normal eruption lead to better outcomes than extraction and immediate orthodontic extrusion?** |
| **PICO Format:** |
| **P:** |
| Unerupted permanent teeth due to presence of supernumerary teeth |
| **I:** |
| Extraction with natural eruption |
| **C:** |
| Extraction with orthodontic extrusion |
| **O:** |
| Reestablishment of complete occlusion |
| **PICO Formatted Question:** |
| In patients who have unerupted permanent teeth due to supernumerary teeth, does extraction with natural eruption as compared to extraction with orthodontic extrusion result in a more efficient reestablishment of complete occlusion? |
| **Clinical Bottom Line:** |
| In the process of treatment planning, do we need to get orthodontics involved right away or allow the natural process of eruption to occur and then get orthodontics involved if needed? |
| **Date(s) of Search:**  |
| Click here to enter text. |
| **Database(s) Used:** |
| Pubmed |
| **Search Strategy/Keywords:** |
| Click here to enter text. |
| **MESH terms used:** |
| Click here to enter text. |
| **Article(s) Cited:** |
| Click here to enter text. |
| **Study Design(s):** |
| Click here to enter text. |
| **Reason for Article Selection:** |
| Click here to enter text. |
| **Article(s) Synopsis:** |
| Click here to enter text. |
| **Levels of Evidence:** (For Therapy/Prevention, Etiology/Harm) See <http://www.cebm.net/index.aspx?o=1025>**☐ 1a** – Clinical Practice Guideline, Meta-Analysis, Systematic Review of Randomized Control Trials (RCTs)**☐ 1b** – Individual RCT**☐ 2a** – Systematic Review of Cohort Studies**☐ 2b** – Individual Cohort Study**☐ 3** – Cross-sectional Studies, Ecologic Studies, “Outcomes” Research**☐ 4a** – Systematic Review of Case Control Studies**☐ 4b** – Individual Case Control Study**☐ 5** – Case Series, Case Reports**☐ 6** – Expert Opinion without explicit critical appraisal, Narrative Review**☐ 7** – Animal Research**☐ 8** – In Vitro Research |
| **Strength of Recommendation Taxonomy (SORT) For Guidelines and Systematic Reviews**See article **J Evid Base Dent Pract 2007;147-150****☐ A** – Consistent, good quality patient oriented evidence**☐ B** – Inconsistent or limited quality patient oriented evidence**☐ C** – Consensus, disease oriented evidence, usual practice, expert opinion, or case series for studies of diagnosis, treatment, prevention, or screening |
| **Conclusion(s):** |
| Click here to enter text. |