**Critically Appraised Topic (CAT)**

|  |
| --- |
| **Project Team:** |
| **Carly Kirkpatrick (myself)**  **Joel Ledvina**  **Hanna Anderson**  **Anna Langworthy** |
| **Project Team Participants:** |
| **Dr. Brunner** |
| **Clinical Question:** |
| **When can you safely recommend immediate implant placement?** |
| **PICO Format:** |
| **P:** |
| **Healthy adult patient with missing tooth/helpless tooth requiring restoration** |
| **I:** |
| **Immediate implant placement** |
| **C:** |
| **Two-stage implant therapy** |
| **O:** |
| **Long term survival of first molar sites with single tooth restoration** |
| **PICO Formatted Question:** |
| **What factors dictate treatment choice between immediate placement versus two-stage implant therapy within healthy adult patients?** |
| **Clinical Bottom Line:** |
| **Immediate placement is safe within the scope of experienced clinicians.** |
| **Date(s) of Search:** |
| **9/15/2020** |
| **Database(s) Used:** |
| **Pubmed** |
| **Search Strategy/Keywords:** |
| **Dental implant, immediate placement, two stage** |
| **MESH terms used:** |
| **Dental implant, immediate placement, two stage** |
| **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. |