**Critically Appraised Topic (CAT)**

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| **Project Team:**  |
| **10B-2** |
| **Project Team Participants:**  |
| **Maggie Meyer, Jisoo Hong, Shuchi Patel, Kelly Herzog** |
| **Clinical Question:** |
| **What is the most successful way to treat periimplantitis?** |
| **PICO Format:** |
| **P:** |
| **Patients with infrabony bone loss around an implant** |
| **I:** |
| **Non-Surgical therapy** |
| **C:** |
| **Surgical therapy** |
| **O:** |
| **Amount of bone gained** |
| **PICO Formatted Question:** |
| In a patient with infrabony bone loss around an implant, does nonsurgical therapy have a comparable outcome to surgical therapy in terms of amount of bone gained? |
| **Clinical Bottom Line:** |
| **For infrabony bone defect, referring to a specialist for the proper surgical therapy is necessary.**  |
| **Date(s) of Search:**  |
| **October 13, 2020** |
| **Database(s) Used:** |
| **PubMed** |
| **Search Strategy/Keywords:** |
| **Peri-implantitis management, infrabony, horizontal bone loss** |
| **MESH terms used:** |
| Click here to enter text. |
| **Article(s) Cited:** |
| **Article 1:** **Article 2:****Article 3:** |
| **Study Design(s):** |
| Click here to enter text. |
| **Reason for Article Selection:** |
| **Article 1:****Article 2:****Article 3:** |
| **Article(s) Synopsis:** |
| **Article 1:****Article 2:****Article 3:** |
| **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):** |
| **Article 1:**Article 2:Article 3:  |