**Critically Appraised Topic (CAT)**

|  |
| --- |
| **Project Team:** |
| **Cole Brennan** |
| **Project Team Participants:** |
| **Click here to enter text.** |
| **Clinical Question:** |
| **Click here to enter text.** |
| **PICO Format:** |
| **P:** |
| **People in need of an overdenture** |
| **I:** |
| **Root retained overdenture** |
| **C:** |
| **Implant retained overdenture** |
| **O:** |
| **Favorable long term prognosis** |
| **PICO Formatted Question:** |
| **For patients in need of an overdenture, do root retained overdentures compared to implant retained overdentures have a more favorable long term prognosis** |
| **Clinical Bottom Line:** |
| Click here to enter text. |
| **Date(s) of Search:** |
| **9/29,9/30** |
| **Database(s) Used:** |
| **pubmed** |
| **Search Strategy/Keywords:** |
| Click here to enter text. |
| **MESH terms used:** |
| **Denture overlay, tooth root, denture abutments** |
| **Article(s) Cited:** |
| **Mericske-Stern, Regina. “Overdentures with Roots or Implants for Elderly Patients: A Comparison.” *The Journal of Prosthetic Dentistry*, vol. 72, no. 5, 1994, pp. 543–550., doi:10.1016/0022-3913(94)90129-5.**  **Langer, Yair, and Anselm Langer. “Root-Retained Overdentures: Part I—Biomechanical and Clinical Aspects.” *The Journal of Prosthetic Dentistry*, vol. 66, no. 6, 1991, pp. 784–789., doi:10.1016/0022-3913(91)90416-t.** |
| **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. |