

Supplementary Table 1. Excluded articles

Reason for Exclusion	Reference
No clinical data for comparison of wide and narrow KM	Adell et al. 1981 ¹ Lekholm et al. 1986 ² Apse et al. 1989 ³ Block and Kent 1990 ⁴ Mericske-Stern and Zarb 1993 ⁵ Bengazi et al. 1996 ⁶ Block et al. 1996 ⁷ Brägger et al. 1997 ⁸ Hanisch et al. 1997 ⁹ Kaptein et al. 1999 ¹⁰ Zitzmann et al. 2001 ¹¹ Heckmann et al. 2004 ¹² Artzi et al. 2006 ¹³ Roos-Jansåker et al. 2006 ¹⁴ Kehl et al. 2011 ¹⁵ Baqain et al. 2012 ¹⁶ Camargos et al. 2012 ¹⁷
Clinical data not compatible for meta-analyses	Wennström et al. 1994 ¹⁸

References for the excluded articles are listed below.

Excluded Articles

1. Adell R, Lekholm U, Rockler B, Brånemark PI. A 15-year study of osseointegrated implants in the treatment of the edentulous jaw. *Int J Oral Surg* 1981;10:387-416.
2. Lekholm U, Adell R, Lindhe J, et al. Marginal tissue reactions at osseointegrated titanium fixtures. (II) A cross-sectional retrospective study. *Int J Oral Maxillofac Surg* 1986;15:53-61.
3. Apse P, Ellen RP, Overall CM, Zarb GA. Microbiota and crevicular fluid collagenase activity in the osseointegrated dental implant sulcus: A comparison of sites in edentulous and partially edentulous patients. *J Periodontol Res* 1989;24:96-105.
4. Block MS, Kent JN. Factors associated with soft- and hard-tissue compromise of endosseous implants. *J Oral Maxillofac Surg* 1990;48:1153-1160.
5. Mericske-Stern R, Zarb GA. Overdentures: An alternative implant methodology for edentulous patients. *Int J Prosthodont* 1993;6:203-208.
6. Bengazi F, Wennström JL, Lekholm U. Recession of the soft tissue margin at oral implants. A 2-year longitudinal prospective study. *Clin Oral Implants Res* 1996;7:303-310.
7. Block MS, Gardiner D, Kent JN, Misiek DJ, Finger IM, Guerra L. Hydroxyapatite-coated cylindrical implants in the posterior mandible: 10-year observations. *Int J Oral Maxillofac Implants* 1996;11:626-633.
8. Brägger U, Bürgin WB, Hämmerle CH, Lang NP. Associations between clinical parameters assessed around implants and teeth. *Clin Oral Implants Res* 1997;8:412-421.
9. Hanisch O, Cortella CA, Boskovic MM, James RA, Slots J, Wikesjö UM. Experimental peri-implant tissue breakdown around hydroxyapatite-coated implants. *J Periodontol* 1997;68:59-66.
10. Kaptein ML, De Lange GL, Blijdorp PA. Peri-implant tissue health in reconstructed atrophic maxillae — Report of 88 patients and 470 implants. *J Oral Rehabil* 1999;26:464-474.
11. Zitzmann NU, Scharer P, Marinello CP. Long-term results of implants treated with guided bone regeneration: A 5-year prospective study. *Int J Oral Maxillofac Implants* 2001;16:355-366.
12. Heckmann SM, Schrott A, Graef F, Wichmann MG, Weber HP. Mandibular two-implant telescopic overdentures. *Clin Oral Implants Res* 2004;15:560-569.
13. Artzi Z, Carmeli G, Kozlovsky A. A distinguishable observation between survival and success rate outcome of hydroxyapatite-coated implants in 5-10 years in function. *Clin Oral Implants Res* 2006;17:85-93.
14. Roos-Jansåker AM, Renvert H, Lindahl C, Renvert S. Nine- to fourteen-year follow-up of implant treatment. Part III: Factors associated with peri-implant lesions. *J Clin Periodontol* 2006;33:296-301.

15. Kehl M, Swierkot K, Mengel R. Three-dimensional measurement of bone loss at implants in patients with periodontal disease. *J Periodontol* 2011;82:689-699.
16. Baqain ZH, Moqbel WY, Sawair FA. Early dental implant failure: risk factors. *Br J Oral Maxillofac Surg* 2012;50:239-243.
17. Camargos Gde V, do Prado CJ, das Neves FD, Sartori IA. Clinical outcomes of single dental implants with external connections: Results after 2 to 13 years. *Int J Oral Maxillofac Implants* 2012;27:935-944.
18. Wennström JL, Bengazi F, Lekholm U. The influence of the masticatory mucosa on the peri-implant soft tissue condition. *Clin Oral Implants Res* 1994;5:1-8.