

Case report and postoperative results

Widening of the mucosa with a collagen matrix

DR NAVID JALILVAND, MSC

Literature

1. Lin C-Y, Chen Z, Pan W-L, Wang H-L. Impact of timing on soft tissue augmentation during implant treatment: A systematic review and meta-analysis. *Clin Oral Implants Res.* 2018 May;29(5):508–21.
2. Wennström JL, Bengazi F, Lekholm U. The influence of the masticatory mucosa on the peri-implant soft tissue condition. *Clin Oral Implants Res.* 1994 Mar;5(1):1–8.
3. Warrer K, Buser D, Lang NP, Karring T. Plaque-induced peri-implantitis in the presence or absence of keratinized mucosa. An experimental study in monkeys. *Clin Oral Implants Res.* 1995 Sep;6(3):131–8.
4. Chung DM, Oh T-J, Shotwell JL, Misch CE, Wang H-L. Significance of keratinized mucosa in maintenance of dental implants with different surfaces. *J Periodontol.* 2006 Aug;77(8):1410–20.
5. Roos-Jansåker A-M, 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 Apr;33(4):296–301.
6. Strub JR, Gaberthüel TW, Grunder U. The role of attached gingiva in the health of peri-implant tissue in dogs. 1. Clinical findings. *Int J Periodontics Restorative Dent.* 1991;11(4):317–33.
7. Berglundh T, Armitage G, Araujo MG, Avila-Ortiz G, Blanco J, Camargo PM, et al. Peri-implant diseases and conditions: Consensus report of workgroup 4 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. *J Clin Periodontol.* 2018 Jun;45 Suppl 20:S286–91.
8. Griffin TJ, Cheung WS, Zavras AI, Damoulis PD. Postoperative complications following gingival augmentation procedures. *J Periodontol.* 2006 Dec;77(12):2070–9.
9. Zucchelli G, Mele M, Stefanini M, Mazzotti C, Marzadori M, Montebugnoli L, et al. Patient morbidity and root coverage outcome after subepithelial connective tissue and de-epithelialized grafts: a comparative randomized-controlled clinical trial. *J Clin Periodontol.* 2010 Aug 1;37(8):728–38.
10. O'Leary TJ, Drake RB, Naylor JE. The plaque control record. *J Periodontol.* 1972 Jan;43(1):38.
11. Brito C, Tenenbaum HC, Wong BKC, Schmitt C, Nogueira-Filho G. Is keratinized mucosa indispensable to maintain peri-implant health? A systematic review of the literature. *J Biomed Mater Res B Appl Biomater.* 2014 Apr;102(3):643–50.
12. Lin G-H, Chan H-L, Wang H-L. The significance of keratinized mucosa on implant health: a systematic review. *J Periodontol.* 2013 Dec;84(12):1755–67.
13. Buyukozdemir Askin S, Berker E, Akincibay H, Uysal S, Erman B, Tezcan İ, et al. Necessity of keratinized tissues for dental implants: a clinical, immunological, and radiographic study. *Clin Implant Dent Relat Res.* 2015 Feb;17(1):1–12.
14. Schmitt CM, Tudor C, Kiener K, Wehrhan F, Schmitt J, Eitner S, et al. Vestibuloplasty: porcine collagen matrix versus free gingival graft: a clinical and histologic study. *J Periodontol.* 2013 Jul;84(7):914–23.
15. De Santis D, Cucchi A, de Gemmis A, Nocini Pier F. New collagen matrix to avoid the reduction of keratinized tissue during guided bone regeneration in postextraction sites. *J Craniofac Surg.* 2012 May;23(3):e186-189.
16. Sanz M, Lorenzo R, Aranda JJ, Martin C, Orsini M. Clinical evaluation of a new collagen matrix (Mucograft prototype) to enhance the width of keratinized tissue in patients with fixed prosthetic restorations: a randomized prospective clinical trial. *J Clin Periodontol.* 2009 Oct;36(10):868–76.
17. Urban IA, Lozada JL, Nagy K, Sanz M. Treatment of severe mucogingival defects with a combination of strip gingival grafts and a xenogeneic collagen matrix: a prospective case series study. *Int J Periodontics Restorative Dent.* 2015 Jun;35(3):345–53.
18. Schmitt CM, Moest T, Lutz R, Wehrhan F, Neukam FW, Schlegel KA. Long-term outcomes after vestibuloplasty with a porcine collagen matrix (Mucograft®) versus the free gingival graft: a comparative prospective clinical trial. *Clin Oral Implants Res.* 2016 Nov;27(11):e125–33.
19. Herford AS, Akin L, Cicciu M, Maiorana C, Boyne PJ. Use of a porcine collagen matrix as an alternative to autogenous tissue for grafting oral soft tissue defects. *J Oral Maxillofac Surg Off J Am Assoc Oral Maxillofac Surg.* 2010 Jul;68(7):1463–70.