

## LITERATUR

**Ausgabe:** Jahrbuch Implantologie 2020

**Thema:** Patientenspezifische Knochenaugmentationen  
Individualisierte CAD/CAM-Titanmesh

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1. Troeltzsch M, Troeltzsch M, Kauffmann P, Gruber R, Brockmeyer P, Moser N, et al. Clinical efficacy of grafting materials in alveolar ridge augmentation: A systematic review. *Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery*. 2016;44(10):1618-29.

2. Artzi Z, Dayan D, Alpern Y, Nemcovsky CE. Vertical ridge augmentation using xenogenic material supported by a configured titanium mesh: clinicohistopathologic and histochemical study. *The International journal of oral & maxillofacial implants*. 2003;18(3):440-6.

3. Roccuzzo M, Savoini M, Dalmaso P, Ramieri G. Long-term outcomes of implants placed after vertical alveolar ridge augmentation in partially edentulous patients: a 10-year prospective clinical study. *Clinical oral implants research*. 2017;28(10):1204-10.

4. Canullo L, Malagnino VA. Vertical ridge augmentation around implants by e-PTFE titanium-reinforced membrane and bovine bone matrix: a 24- to 54-month study of 10 consecutive cases. *The International journal of oral & maxillofacial implants*. 2008;23(5):858-66.

5. Chiapasco M, Romeo E, Casentini P, Rimondini L. Alveolar distraction osteogenesis vs. vertical guided bone regeneration for the correction of vertically deficient edentulous ridges: a 1-3-year prospective study on humans. *Clinical oral implants research*. 2004;15(1):82-95.

6. Merli M, Migani M, Esposito M. Vertical ridge augmentation with autogenous bone grafts: resorbable barriers supported by osteosynthesis plates versus titanium-reinforced barriers. A preliminary report of a blinded, randomized controlled clinical trial. *The International journal of oral & maxillofacial implants*. 2007;22(3):373-82.

7. Milinkovic I, Cordaro L. Are there specific indications for the different alveolar bone augmentation procedures for implant placement? A systematic review. *International journal of oral and maxillofacial surgery*. 2014;43(5):606-25.

8. Urban IAs, Montero E, Monje A, Sanz-Sanchez I. Effectiveness of vertical ridge augmentation interventions. A systematic review and meta-analysis. *Journal of clinical periodontology*. 2019.

9. Boyne PJ. Restoration of osseous defects in maxillofacial casualties. *Journal of the American Dental Association*. 1969;78(4):767-76.
10. Boyne PJ, Cole MD, Stringer D, Shafqat JP. A technique for osseous restoration of deficient edentulous maxillary ridges. *Journal of oral and maxillofacial surgery : official journal of the American Association of Oral and Maxillofacial Surgeons*. 1985;43(2):87-91.
11. Gongloff RK, Cole M, Whitlow W, Boyne PJ. Titanium mesh and particulate cancellous bone and marrow grafts to augment the maxillary alveolar ridge. *International journal of oral and maxillofacial surgery*. 1986;15(3):263-8.
12. von Arx T, Hardt N, Walkamm B. The TIME technique: a new method for localized alveolar ridge augmentation prior to placement of dental implants. *The International journal of oral & maxillofacial implants*. 1996;11(3):387-94.
13. von Arx T, Kurt B. Implant placement and simultaneous peri-implant bone grafting using a micro titanium mesh for graft stabilization. *The International journal of periodontics & restorative dentistry*. 1998;18(2):117-27.
14. von Arx T, Kurt B. Implant placement and simultaneous ridge augmentation using autogenous bone and a micro titanium mesh: a prospective clinical study with 20 implants. *Clinical oral implants research*. 1999;10(1):24-33.
15. Ciocca L, Ragazzini S, Fantini M, Corinaldesi G, Scotti R. Work flow for the prosthetic rehabilitation of atrophic patients with a minimal-intervention CAD/CAM approach. *The Journal of prosthetic dentistry*. 2015;114(1):22-6.
16. Sumida T, Otawa N, Kamata YU, Kamakura S, Mtsushita T, Kitagaki H, et al. Custom-made titanium devices as membranes for bone augmentation in implant treatment: Clinical application and the comparison with conventional titanium mesh. *Journal of cranio-maxillo-facial surgery : official publication of the European Association for Cranio-Maxillo-Facial Surgery*. 2015;43(10):2183-8.
17. Sagheb K, Schiegnitz E, Moergel M, Walter C, Al-Nawas B, Wagner W. Clinical outcome of alveolar ridge augmentation with individualized CAD-CAM-produced titanium mesh. *Int J Implant Dent*. 2017;3(1):36.
18. Seiler M, Peetz M, Hartmann A, Witkowski R. Individualized CAD/CAM-produced titanium scaffolds for alveolar bone augmentation: A retrospective analysis of dehiscence events in relation to demographic and surgical parameters. *J Oral Science Rehabilitation*. 2018;4(1):38–46.