

Mini-Implantate: Eine sinnvolle Ergänzung zu konventionellen Implantaten?!

Dr. Friedhelm Heinemann/Morsbach, PD Dr. Torsten Mundt/Greifswald, Prof. Dr. Dipl.-Phys. Christoph Bourauel/Bonn

Jahrbuch Implantologie 2013

1. Barros SE, Janson G, Chiqueto K, Garib DG, Janson M. Effect of mini-implant diameter on fracture risk and self-drilling efficacy. *Am J Orthod Dentofacial Orthop.* 2011 Oct; 140(4): e181-92.
2. Bulard RA, Vance JB. Multi-clinic evaluation using mini-dental implants for long-term denture stabilization: A preliminary biometric evaluation. *Compendium* 2005; 26: 892-897.
3. Christensen GJ. Critical appraisal. Mini implants: good or bad for long - term service. *J Esthet Restor. Dent,* 2008; 20: 343-348.
4. Elsyad MA, Gebreel AA, Fouad MM, Elshoukoui AH. The clinical and radiographic outcome of immediately loaded mini implants supporting a mandibular overdenture. A 3-year prospective study. *J Oral Rehabil.* 2011 Nov; 38(11): 827-34.
5. English CE, Bohle GC. Diagnostic, Procedural, and Clinical Issues with the Sendax Mini Dental Implants. *Compendium* 2003; 24: (11 Suppl 1) 3-25.
6. Ertugrul HZ, Pipko DJ. Measuring mobility of two implant fixtures of different configurations: An in vitro study. *Implant Dent* 2006; 15: 290-297.
7. Hasan I, Heinemann F, Aitlahrach M, Bourauel C Biomechanical finite element analysis of small diameter and short dental implant. *Biomed Tec h (Berl).* 2010; 55: 341–350.
8. Jofre J, Cendoya P, Munoz P. Effect of splinting mini-implants on marginal bone loss: a biomechanical model and clinical randomized study with mandibular overdentures. *Int J Oral Maxillofac Implants.* 2010 Nov-Dec; 25(6): 1137-44.
9. Park HS: The orthodontic treatment using micro-implant: the clinical application of MIA (micro-implant anchorage). *American Journal of Orthodontics and Dentofacial Orthopedics* 2001; 86:95-111
10. Shatkin TE, Shatkin S, Oppenheimer BD, Oppenheimer AJ. Mini dental implants for long-term fixed and removable prosthetics: A retrospective analysis of 2514 implants placed over a five-year period. *Compendium* 2007; 28: 36-41.
11. Sohrabi K, Mushantat A, Esfandiari S, Feine J. How successful are small-diameter implants? A literature review. *Clin Oral Implants R es* 2012; 23: 515-525.
12. Streckbein P, Wiederhold S, Wilbrand JF, Streckbein R, Schaaf H. Mini-Implantate sind im Kommen – eine Alternative zur Augmentation. *Dent Implantol* 2009; 13: 420-425.
- 13].Winkler S, Morris HF, Ochi S. Implant survival to 36 months as related to length and diameter. *Ann Periodontol* 2000; 5: 22-31.