

Sofort und Frühbelastung - das Berner Konzept

Ziel: Attraktivität der Implantatbehandlung mit kürzeren Einheilzeiten.

Von Dr. med. et Dr. med. dent. Ulrike Kuchler und Prof. Dr. med. dent. Daniel Buser, Bern.

Literatur:

1. Weber HP, Morton D, Gallucci GO, Rocuzzo M, Cordaro L, Grutter L: Consensus statements and recommended clinical procedures regarding loading protocols. *Int J Oral Maxillofac Implants* 2009, 24 Suppl:180-183.
2. Gallucci GO, Morton D, Weber HP: Loading protocols for dental implants in edentulous patients. *Int J Oral Maxillofac Implants* 2009, 24 Suppl:132-146.
3. Grutter L, Belser UC: Implant loading protocols for the partially edentulous esthetic zone. *Int J Oral Maxillofac Implants* 2009, 24 Suppl:169-179.
4. Stoker GT, Wismeijer D: Immediate loading of two implants with a mandibular implant-retained overdenture: a new treatment protocol. *Clin Implant Dent Relat Res* 2011, 13(4):255-261.
5. Kronstrom M, Davis B, Loney R, Gerrow J, Hollender L: A Prospective Randomized Study on the Immediate Loading of Mandibular Overdentures Supported by One or Two Implants; A 3 Year Follow-Up Report. *Clin Implant Dent Relat Res* 2012.
6. Elsyad MA, Al-Mahdy YF, Fouad MM: Marginal bone loss adjacent to conventional and immediate loaded two implants supporting a ball-retained mandibular overdenture: a 3-year randomized clinical trial. *Clin Oral Implants Res* 2012, 23(4):496-503.
7. Buser D, Weber HP, Lang NP: Tissue integration of non-submerged implants. 1-year results of a prospective study with 100 ITI hollow-cylinder and hollow-screw implants. *Clin Oral Implants Res* 1990, 1(1):33-40.
8. Chappuis V, Buser R, Bragger U, Bornstein MM, Salvi GE, Buser D: Long-term outcomes of dental implants with a titanium plasma-sprayed (TPS) surface: A 20-year prospective case series study in partially edentulous patients. *Clin Implant Dent Relat Res* 2013, xxx
9. Cochran DL, Buser D, ten Bruggenkate CM, Weingart D, Taylor TM, Bernard JP, Peters F, Simpson JP: The use of reduced healing times on ITI implants with a sandblasted and acid-etched (SLA) surface: early results from clinical trials on ITI SLA implants. *Clin Oral Implants Res* 2002, 13(2):144-153.
10. Buser D, Janner SF, Wittneben JG, Bragger U, Ramseier CA, Salvi GE: 10-year survival and success rates of 511 titanium implants with a sandblasted and acid-etched surface: a retrospective study in 303 partially edentulous patients. *Clin Implant Dent Relat Res* 2012, 14(6):839-851.
11. Buser D, Brogгинi N, Wieland M, Schenk RK, Denzer AJ, Cochran DL, Hoffmann B, Lussi A, Steinemann SG: Enhanced bone apposition to a chemically modified SLA titanium surface. *J Dent Res* 2004, 83(7):529-533.
12. Ferguson SJ, Brogгинi N, Wieland M, de Wild M, Rupp F, Geis-Gerstorfer J, Cochran DL, Buser D: Biomechanical evaluation of the interfacial strength of a chemically modified sandblasted and acid-etched titanium surface. *J Biomed Mater Res A* 2006, 78(2):291-297.
13. Morton D, Bornstein MM, Wittneben JG, Martin WC, Ruskin JD, Hart CN, Buser D: Early loading after 21 days of healing of nonsubmerged titanium implants with a chemically modified sandblasted and acid-etched surface: two-year results of a prospective two-center study. *Clin Implant Dent Relat Res* 2010, 12(1):9-17.
14. Bornstein MM, Wittneben JG, Bragger U, Buser D: Early loading at 21 days of non-submerged titanium implants with a chemically modified sandblasted and acid-etched surface: 3-year results of a prospective study in the posterior mandible. *J Periodontol* 2010, 81(6):809-818.
15. Bornstein MM, Hart CN, Halbritter SA, Morton D, Buser D: Early loading of nonsubmerged titanium implants with a chemically modified sand-blasted and acid-etched surface: 6-month results of a prospective case series study in the posterior mandible focusing on peri-implant crestal bone changes and implant stability quotient (ISQ) values. *Clin Implant Dent Relat Res* 2009, 11(4):338-347.
16. Buser D, Chen ST, Weber HP, Belser UC: Early implant placement following single-tooth extraction in the esthetic zone: biologic rationale and surgical procedures. *Int J Periodontics Restorative Dent* 2008, 28(5):441-451.

17. Buser D, Halbritter S, Hart C, Bornstein MM, Grutter L, Chappuis V, Belser UC: Early implant placement with simultaneous guided bone regeneration following single-tooth extraction in the esthetic zone: 12-month results of a prospective study with 20 consecutive patients. *J Periodontol* 2009, 80(1):152-162.
18. Buser D, Wittneben J, Bornstein MM, Grutter L, Chappuis V, Belser UC: Stability of contour augmentation and esthetic outcomes of implant-supported single crowns in the esthetic zone: 3-year results of a prospective study with early implant placement postextraction. *J Periodontol* 2011, 82(3):342-349.
19. Buser D, Chappuis V, Bornstein MM, Wittneben JG, Frei M, Belser UC: Long-Term Stability of Contour Augmentation With Early Implant Placement Following Single Tooth Extraction in the Esthetic Zone A Prospective, Cross-Sectional Study in 41 Patients With a 5- to 9-Year Follow-Up. *J Periodontol* 2013.