

Surgical and prosthetic steps using a reduced number of implants

Cantilever extensions of implant-supported superstructures

DR JÖRG NEUGEBAUER, PHD, DR FRANK KISTLER, STEPHAN ADLER, DR STEFFEN KISTLER

Literature

2. Aires I, Berger J. Immediate placement in extraction sites followed by immediate loading: a pilot study and case presentation. *Implant Dent* 2002; 11: 87-94.
3. Al-Almaie S. Management of Broken Dental Implant Abutment in a Patient with Bruxism: A Rare Case Report and Review of Literature. *Contemp Clin Dent* 2017; 8: 485-489.
4. Berger C, Nickenig H-J, Kapitel C Indikation enossaler Implantate aktualisiert durch die Konsensuskonferenz 2014. In BDIZ (ed) Indikation enossaler Implantate in Gutachterhandbuch Implantologie, Breisach: Med. Verl.- und Informationsdienste 2002; 75-80.
5. Freitas da Silva EV, Dos Santos DM, Sonogo MV et al. Does the Presence of a Cantilever Influence the Survival and Success of Partial Implant-Supported Dental Prostheses? Systematic Review and Meta-Analysis. *Int J Oral Maxillofac Implants* 2018; 33: 815-823.
6. Gothberg C, Andre U, Grondahl K et al. Immediately loaded implants with or without abutments supporting fixed partial dentures: 1-year results from a prospective, randomized, clinical trial. *Clin Implant Dent Relat Res* 2014; 16: 487-500.
7. Gothberg C, Andre U, Grondahl K et al. Bone Response and Soft Tissue Changes Around Implants With/Without Abutments Supporting Fixed Partial Dentures: Results From a 3-Year, Prospective, Randomized, Controlled Study. *Clin Implant Dent Relat Res* 2016; 18: 309-322.
8. Halg GA, Schmid J, Hammerle CH. Bone level changes at implants supporting crowns or fixed partial dentures with or without cantilevers. *Clin Oral Implants Res* 2008; 19: 983-990.
9. Kim P, Ivanovski S, Latcham N et al. The impact of cantilevers on biological and technical success outcomes of implant-supported fixed partial dentures. A retrospective cohort study. *Clin Oral Implants Res* 2014; 25: 175-184.
10. Kistler S, Adler S, Kistler F et al. Angulierte Schraubenzugänge bei Implantat-Suprastrukturen. *Implantologie Journal* 2015; 40-45.
11. Malo P, de Araujo Nobre M, Lopes A et al. The All-on-4 treatment concept for the rehabilitation of the completely edentulous mandible: A longitudinal study with 10 to 18 years of follow-up. *Clin Implant Dent Relat Res* 2019; 21: 565-577.
12. Maminskas J, Puisys A, Kuoppala R et al. The Prosthetic Influence and Biomechanics on Peri-Implant Strain: a Systematic Literature Review of Finite Element Studies. *J Oral Maxillofac Res* 2016; 7: e4.
13. Neugebauer J, Vizethum F, Berger C et al. Update: Kurze, angulierte und durchmesserreduzierte Implantate - Praxisleitfaden : 11. Europäische Konsensuskonferenz (EuCC). *BDIZ/EDI Konkret* 2016; 20: 88-90.
14. Raigrodski AJ, Schwedhelm ER, Chen YW. A simplified technique for recording an implant-supported ovate pontic site in the esthetic zone. *J Prosthet Dent* 2014; 111: 154-158.
15. Salvi GE, Bragger U. Mechanical and technical risks in implant therapy. *Int J Oral Maxillofac Implants* 2009; 24 Suppl: 69-85.
16. Storelli S, Del Fabbro M, Scanferla M et al. Implant-supported cantilevered fixed dental rehabilitations in fully edentulous patients: Systematic review of the literature. Part II. *Clin Oral Implants Res* 2018; 29 Suppl 18: 275-294.
17. Storelli S, Del Fabbro M, Scanferla M et al. Implant supported cantilevered fixed dental rehabilitations in partially edentulous patients: Systematic review of the literature. Part I. *Clin Oral Implants Res* 2018; 29 Suppl 18: 253-274.
18. Van Nimwegen WG, Raghoobar GM, Tymstra N et al. How to treat two adjacent missing teeth with dental implants. A systematic review on single implant-supported two-unit cantilever FDP's and results of a 5-year prospective comparative study in the aesthetic zone. *J Oral Rehabil* 2017; 44: 461-471.
19. Vogel RE, Wheeler SL, Casellini RC. Restoration of congenitally missing lateral incisors: a case report. *Implant Dent* 1999; 8: 390-395.

