

Letteratura e studi sulla procedura mininvasiva MIMI®

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- 1 Adell R, Lekholm U, Röckler B, Brånemark PI. A 15-year study of osseointegrated implants in the treatment of the edentulous jaw. *Int J Oral Surg* 1981; 10:387–416.
- 2 Agrawal KK, Rao J, Anwar M, Singh K, Himanshu D. Flapless vs. flapped implant insertion in patients with controlled type 2 diabetes subjected to delayed loading: 1-year follow-up results from a randomised controlled trial. *Eur J Oral Implantol*. 2017; 10(4): 403-413. PMID: 29234747
- 3 Al-Juboori MJ, AbdulRahaman SB. The Effect of Flapless and Full-thickness Flap Techniques on Implant Stability During the Healing Period. *Open Dent J*. 2015 Jul 31; 9:243-9. doi: 10. 2174/1874210601509010243. eCollection 2015. PMID: 26312095
- 4 Al-Juboori MJ, Bin Abdulrahman S, Subramaniam R, Tawfiq OF. Less morbidity with flapless implant. *Dent Implantol Update*. 2012 Apr; 23 (4): 25-30. TSV
- 5 Al-Juboori MJ. Flap Designs for Implant-Related Surgical Procedures: A Review. *Implant Dent*. 2016 Dec; 25(6): 845-854. Review. PMID: 27540840
- 6 Al-Juboori MJ, Ab Rahman S, Hassan A, Bin Ismail IH, Tawfiq OF. What is the effect of initial implant position on the crestal bone level in flap and flapless technique during healing period?: *J Periodontal Implant Sci*. 2013 Aug; 43(4): 153-9. doi: 10. 5051/jpis. 2013. 43. 4. 153. Epub 2013 Aug 31
- 7 Albiero AM, Benato R, Benato A, Degidi M. Use of Intraoral Welding to Increase the Predictability of Immediately Loaded Computer-Guided Implants. *Int J Periodontics Restorative Dent*. 2017 Jul/Aug; 37(4): 591-598. doi: 10. 11607/prd. 3027. PMID: 28609507
- 8 Albiero AM, Benato R, Degidi M. Buccal plate regeneration with immediate postextraction implant placement and restoration: case reports. *Int J Periodontics Restorative Dent*. 2014 Jul-Aug; 34(4): e67-72. doi: 10. 11607/prd. 2025. PMID: 25006776
- 9 Albiero AM, Benato R, Fincato A. Immediately Loaded Intraorally Welded Complete-Arch Maxillary Provisional Prosthesis. *Int J Periodontics Restorative Dent*. 2015 Sep-Oct; 35(5): 725-31. doi: 10. 11607/prd. 2293. PMID: 26357702
- 10 Albiero AM, Benato R. Computer-assisted surgery and intraoral welding technique for immediate implant-supported rehabilitation of the edentulous maxilla: case report and technical description. *Int J Med Robot*. 2016 Sep; 12(3): 453-60. doi: 10. 1002/rcs. 1715. Epub 2015 Nov 4. PMID: 26537291
- 11 Altinci P, Can G, Gunes O, Ozturk C, Eren H. : A Prospective Pilot Study. *Clin Implant Dent Relat Res*. 2016 Dec; 18(6): 1193-1199. doi: 10. 1111/cid. 12392. Epub 2016 Feb 14. PMID: 26874460
- 12 Andreasi Bassi M, Andrisani C, Lico S, Silvestre F, Gargari M, Arcuri C. Increasing volume of vestibular soft tissues in flapless implant surgery through a modified connective punch technique: a controlled clinical trial. *Oral Implantol (Rome)*. 2016 Nov 13; 9(3): 143-150. doi: 10. 11138/orl/2016. 9. 3. 143. eCollection 2016 Jul-Sep. PMID: 28042442
- 13 Andreasi Bassi M, Andrisani C, Lopez MA, Gaudio RM, Lombardo L, Lauritano D. Modified connective tissue punch technique to increase the vestibular/buccal keratinized tissue on flapless implant surgery: a case series. *J Biol Regul Homeost Agents*. 2016 Apr-Jun; 30(2 Suppl 1): 29-34. PMID: 27469545
- 14 Arora H, Ivanovski S. Correlation between pre-operative buccal bone thickness and soft tissue changes around immediately placed and restored implants in the maxillary anterior region: A 2-year prospective study. *Clin Oral Implants Res*. 2017 Oct; 28(10): 1188-1194. doi: 10. 1111/clr. 12939. Epub 2016 Jul 29. PMID: 27469422
- 15 Arora H, Khzam N, Roberts D, Bruce WL, Ivanovski S. Immediate implant placement and restoration in the anterior maxilla: Tissue dimensional changes after 2-5 year follow up. *Clin Implant Dent Relat Res*. 2017 Aug; 19(4): 694-702. doi: 10. 1111/cid. 12487. Epub 2017 Apr 21. PMID: 28429394
- 16 Assaf JH, Assaf DD, Antoniazzi RP, Osório LB, França FM. Correction of Buccal Dehiscence During Immediate Implant Placement Using the Flapless Technique: A Tomographic Evaluation. *J Periodontol*. 2017 Feb; 88(2): 173-180. doi: 10. 1902/jop. 2016. 160276. Epub 2016 Sep 13. PMID: 27620655
- 17 Barone A, Toti P, Quaranta A, Derchi G, Covani U. The Clinical Outcomes of Immediate Versus Delayed Restoration Procedures on Immediate Implants: A Comparative Cohort Study for Single-Tooth Replacement. *Clin Implant Dent Relat Res*. 2015 Dec; 17(6): 1114-26. doi: 10. 1111/cid. 12225. Epub 2014 May 22. PMID: 24852761
- 18 Barone A, Toti P, Piattelli A, Iezzi G, Derchi G, Covani U. Extraction socket healing in humans after ridge preservation techniques: comparison between flapless and flapped procedures in a randomized clinical trial; *J Periodontol*. 2014 Jan; 85(1): 14-23. doi: 10. 1902/jop. 2013. 120711. Epub 2013 May 20.

- 19 Barros Vde M, Costa NR, Martins PH, Vasconcellos WA, Discacciati JA, Moreira AN. Definitive Presurgical CAD/CAM-Guided Implant-Supported Crown in an Esthetic Area. *Braz Dent J*. 2015 Nov-Dec; 26(6): 695-700. doi: 10.1590/0103-6440201300437. PMID: 26963219
- 20 Baruffaldi A, Poli PP, Baruffaldi A, Giberti L, Pigozzo M, Maiorana C. Computer-aided flapless implant surgery and immediate loading. A technical note. *Oral Maxillofac Surg*. 2016 Sep; 20(3): 313-9. doi: 10.1007/s10006-016-0554-5. Epub 2016 Apr 5. PMID: 27044419
- 21 Bashutski JD, Wang HL, Rudek I, Moreno I, Koticha T, Oh TJ. Effect of flapless surgery on single-tooth implants in the esthetic zone: a randomized clinical trial; *J Periodontol*. 2013 Dec; 84(12): 1747-54. doi: 10.1902/jop.2013.120575. Epub 2013 Jan 24
- 22 Bauer-Küchle R, Bauer A. Patientenfreundliche Versorgung mit dem einphasigen sofortbelastbaren Kugelkopfimplantat; *Implantologie Journal Sonderdruck Ausgabe 3/04*
- 23 Beretta M, Poli PP, Maiorana C. Accuracy of computer-aided template-guided oral implant placement: a prospective clinical study. *J Periodontal Implant Sci*. 2014 Aug; 44(4): 184-93. doi: 10.5051/jpis.2014.44.4.184. Epub 2014 Aug 28. PMID: 25177520
- 24 Better H, Chaushu L, Nissan J, Xavier S, Talarico M, Chaushu G. The Feasibility of Flapless Approach to Sinus Augmentation Using an Implant Device Designed According to Residual Alveolar Ridge Height. *Int J Periodontics Restorative Dent*. 2017 Dec 18. doi: 10.11607/prd.2950. PMID: 29253040, *prosdent*. 2013. 09. 019. Epub 2013 Nov 25
- 25 Bidra AS. Flapless implant surgery to overcome anatomic challenges in the anterior mandible for overdenture therapy: a clinical report. *J Prosthet Dent*. 2014 Mar; 111(3): 175-80. doi: 10.1016/j.prosdent.2013.09.019. Epub 2013 Nov 25. PMID: 24286637
- 26 Block MS, Kent JN. Factors associated with soft- and hard-tissue compromise of endosseous implants. *J Oral Maxillofac Surg* 1990; 48:1153-1160.
- 27 Boardman N, Darby I, Chen S. A retrospective evaluation of aesthetic outcomes for single-tooth implants in the anterior maxilla. *Clin Oral Implants Res*. 2016 Apr; 27(4): 443-51. doi: 10.1111/clr.12593. Epub 2015 Mar 29. PMID: 25818351
- 28 Bömicke W, Gabbert O, Koob A, Krisam J, Rammelsberg P. Comparison of immediately loaded flapless-placed one-piece implants and flapped-placed conventionally loaded two-piece implants, both fitted with all-ceramic single crowns, in the posterior mandible: 3-year results from a randomised controlled pilot trial. *Eur J Oral Implantol*. 2017; 10(2): 179-195. PMID: 28555208
- 29 Brånemark PI, Hansson BO, Adell R et al. Osseointegrated implants in the treatment of the edentulous jaw. Experience from a 10-year period. *Scand J Plast Reconstr Surg Suppl* 1977; 16:1-132.
- 30 Brignardello-Petersen R. Minimally invasive flapless approach results in less pain and better healing after implant placement compared with conventional surgery. *J Am Dent Assoc*. 2017 Apr; 148(4): e24. doi: 10.1016/j.adaj.2016.12.020. Epub 2017 Feb 16. No abstract available. PMID: 28215433
- 31 Brodala N. Flapless Surgery and Its Effect on Dental Implant Outcomes, *INT J ORAL MAXILLOFAC IMPLANTS* 2009; 24(SUPPL):118-125
- 32 Browaeys H, Dierens M, Ruyffelaert C, Matthijs C, De Bruyn H, Vandeweghe S. Ongoing Crestal Bone Loss around Implants Subjected to Computer-Guided Flapless Surgery and Immediate Loading Using the All-on-4 Concept. *Clin Implant Dent Relat Res*. 2015 Oct; 17(5): 831-43. doi: 10.1111/cid.12197. Epub 2014 Jan 8. PMID: 24397413
- 33 Brugnami F, Caiazzo A, Mehra P. Piezosurgery-assisted, flapless split crest surgery for implant site preparation. *J Maxillofac Oral Surg*. 2014 Mar; 13(1): 67-72. doi: 10.1007/s12663-012-0377-3. Epub 2012 May 16. PMID: 24644400
- 34 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; 1:33-40.
- 35 Campelo LD, Camara JR. Flapless implant surgery: A 10-year clinical retrospective analysis. *Int J Oral Maxillofac Implants* 2002; 7: 271-276
- 36 Cannizzaro G, Felice P, Boveri M, Lazzarini M, Ferri V, Leone M, Esposito M. Immediate loading of two flapless placed mandibular implants supporting cross-arch fixed prostheses: a 3-year follow-up prospective single cohort study; *Eur J Oral Implantol*. 2014 Spring; 7(1): 89-98.
- 37 Cannizzaro G, Felice P, Boveri M, Lazzarini M, Ferri V, Leone M, Esposito M. Immediate loading of two flapless placed mandibular implants supporting cross-arch fixed prostheses: a 3-year follow-up prospective single cohort study. *Eur J Oral Implantol*. 2014 Spring; 7(1): 89-98. PMID: 24892116
- 38 Cannizzaro G, Felice P, Buti J, Leone M, Ferri V, Esposito M. Immediate loading of fixed cross-arch prostheses supported by flapless-placed supershort or long implants: 1-year results from a randomised controlled trial. *Eur J Oral Implantol*. 2015 Spring; 8(1): 27-36. PMID: 25738177
- 39 Cannizzaro G, Felice P, Gherlone E, Barausse C, Ferri V, Leone M, Trullenque-Eriksson A, Esposito M. Immediate loading of two (fixed-on-2) vs. four (fixed-on-4) implants placed with a flapless technique supporting mandibular cross-arch fixed prostheses: 3-year results from a pilot randomised controlled trial. *Eur J Oral Implantol*. 2017; 10(2): 133-145. PMID: 28555204

- 40 Cannizzaro G, Felice P, Lazzarini M, Ferri V, Leone M, Trullenque-Eriksson A, Esposito M. Immediate loading of two flapless placed mandibular implants supporting cross-arch fixed prostheses: A 5-year follow-up prospective single cohort study. *Eur J Oral Implantol*. 2016; 9 Suppl 1(2): 165-77. PMID: 27314124
- 41 Cannizzaro G, Felice P, Loi I, Viola P, Ferri V, Leone M, Collivasone D, Esposito M. Immediate loading of bimaxillary total fixed prostheses supported by five flapless-placed implants with machined surfaces: A 6-month follow-up prospective single cohort study. *Eur J Oral Implantol*. 2016 Spring; 9(1): 67-74. PMID: 27022638
- 42 Cannizzaro G, Felice P, Loi I, Viola P, Ferri V, Leone M, Lazzarini M, Trullenque-Eriksson A, Esposito M. Machined versus roughened immediately loaded and finally restored single implants inserted flapless: Preliminary 6-month data from a split-mouth randomised controlled trial. *Eur J Oral Implantol*. 2016; 9 Suppl 1(2): 155-63. PMID: 27314121
- 43 Cannizzaro G, Loi I, Viola P, Ferri V, Leone M, Trullenque-Eriksson A, Esposito M. Immediate loading of two (fixed-on-2) versus three (fixed-on-3) implants placed flapless supporting cross-arch fixed prostheses: One-year results from a randomised controlled trial. *Eur J Oral Implantol*. 2016; 9 Suppl 1(2): 143-53. PMID: 27314120
- 44 Cannizzaro G, Felice P, Leone M, Ferri V, Viola P, Esposito M. Immediate versus early loading of 6.5 mm-long flapless-placed single implants: a 4-year after loading report of a splitmouth randomised controlled trial; *Eur J Oral Implantol*. 2012 Summer; 5(2): 111-21
- 45 Chandran S, Sakir N. Implant – Supported Full Mouth Rehabilitation A Guided Surgical and Prosthetic Protocol. *J Clin Diagn Res*. 2016 Feb; 10(2): ZJ05-6. doi: 10.7860/JCDR/2016/17467.7264. Epub 2016 Feb 1. No abstract available. PMID: 27042601
- 46 Chrcanovic BR, Albrektsson T, Wennerberg A. Flapless versus conventional flapped dental implant surgery: a meta-analysis. *PLoS One*. 2014 Jun 20; 9(6): e100624. doi: 10.1371/journal.pone.0100624. eCollection 2014. PMID: 24950053
- 47 Chu SJ, Salama MA, Garber DA, Salama H, Sarnachiaro GO, Sarnachiaro E, Gotta SL, Reynolds MA, Saito H, Tarnow DP. Flapless Postextraction Socket Implant Placement, Part 2: The Effects of Bone Grafting and Provisional Restoration on Peri-implant Soft Tissue Height and Thickness – A Retrospective Study. *Int J Periodontics Restorative Dent*. 2015 Nov-Dec; 35(6): 803-9. doi: 10.11607/prd.2178. PMID: 26509983
- 48 Ciabattini G, Acocella A, Sacco R. Immediately restored full arch-fixed prosthesis on implants placed in both healed and fresh extraction sockets after computer-planned flapless guided surgery. A 3-year follow-up study. *Clin Implant Dent Relat Res*. 2017 Dec; 19(6): 997-1008. doi: 10.1111/cid.12550. Epub 2017 Oct 29. PMID: 29082655
- 49 Clementini M, Tiravia L, De Risi V, Vittorini Orgeas G, Mannocci A, de Sanctis M. Dimensional changes after immediate implant placement with or without simultaneous regenerative procedures: a systematic review and meta-analysis. *J Clin Periodontol*. 2015 Jul; 42(7): 666-77. doi: 10.1111/jcpe.12423. Epub 2015 Jul 14. Review. PMID: 26073267
- 50 Cooper LF, Reside GJ, Raes F, Garriga JS, Tarrida LG, Wiltfang J, Kern M, De Bruyn H. Immediate provisionalization of dental implants placed in healed alveolar ridges and extraction sockets: a 5-year prospective evaluation. *Int J Oral Maxillofac Implants*. 2014 May-Jun; 29(3): 709-17. doi: 10.11607/jomi.3617. PMID: 24818212
- 51 Cortese A, Pantaleo G, Amato M, Claudio PP. Ridge Expansion by Flapless Split Crest and Immediate Implant Placement: Evolution of the Technique. *J Craniofac Surg*. 2016 Mar; 27(2): e123-8. doi: 10.1097/SCS.0000000000002367. PMID: 26845089
- 52 Cortese A, Pantaleo G, Amato M, Howard CM, Pedicini L, Claudio PP. Platelet-Rich Fibrin (PRF) in Implants Dentistry in Combination with New Bone Regenerative Flapless Technique: Evolution of the Technique and Final Results. *Open Med (Wars)*. 2017 Mar 9; 12: 24-32. doi: 10.1515/med-2017-0005. eCollection 2017 Jan. PMID:28401197
- 53 Cortese A, Pantaleo G, Borri A, Caggiano M, Amato M. Platelet-rich fibrin (PRF) in implant dentistry in combination with new bone regenerative technique in elderly patients. *Int J Surg Case Rep*. 2016; 28: 52-56. doi: 10.1016/j.ijscr.2016.09.022. Epub 2016 Sep 22. PMID: 27689517
- 54 Cosyn J, Eghbali A, Hermans A, Vervaeke S, De Bruyn H, Cleymaet R. A 5-year prospective study on single immediate implants in the aesthetic zone. *J Clin Periodontol*. 2016 Aug; 43(8): 702-9. doi: 10.1111/jcpe.12571. Epub 2016 Jun 13. PMID: 27120578
- 55 Cosyn J, Pollaris L, Van der Linden F, De Bruyn H. Minimally Invasive Single Implant Treatment (M. I. S. I. T.) based on ridge preservation and contour augmentation in patients with a high aesthetic risk profile: one-year results. *J Clin Periodontol*. 2015 Apr; 42(4): 398-405. doi: 10.1111/jcpe.12384. Epub 2015 Mar 31. PMID: 25728590
- 56 Covani U, Canullo L, Toti P, Alfonsi F, Barone A. Tissue stability of implants placed in fresh extraction sockets: a 5-year prospective single-cohort study; *J Periodontol*. 2014 Sep; 85(9): e323-32. doi: 10.1902/jop.2014.140175. Epub 2014 May 16.
- 57 Cristache CM. Presurgical Cone Beam Computed Tomography Bone Quality Evaluation for Predictable Immediate Implant Placement and Restoration in Esthetic Zone. *Case Rep Dent*. 2017; 2017: 1096365. doi: 10.1155/2017/1096365. Epub 2017 Feb 22. PMID: 28321342

- 58 D'haese J, Ackhurst J, Wismeijer D, De Bruyn H, Tahmaseb A. Current state of the art of computer-guided implant surgery. *Periodontol* 2000. 2017 Feb; 73(1): 121-133. doi: 10.1111/prd.12175. Review. PMID: 28000275
- 59 Darwish M, Nassani MZ, Baroudi K. Effect of neutral zone technique on marginal bone loss around implant-supported overdentures. *J Int Soc Prev Community Dent*. 2015 Dec; 5(Suppl 2): S57-62. doi: 10.4103/2231-0762.164786. PMID: 26942118
- 60 de Carvalho BC, de Carvalho EM, Consani RL. Flapless single-tooth immediate implant placement; *Int J Oral Maxillofac Implants*. 2013 May-Jun; 28(3): 783-9. doi: 10.11607/jomi.2140
- 61 de Molon RS, de Avila ED, de Barros-Filho LA, Ricci WA, Tetradis S, Cirelli JA, Borelli de Barros LA. Reconstruction of the Alveolar Buccal Bone Plate in Compromised Fresh Socket after Immediate Implant Placement Followed by Immediate Provisionalization. *J Esthet Restor Dent*. 2015 May-Jun; 27(3): 122-35. doi: 10.1111/jerd.12154. Epub 2015 Jun 1. PMID: 26037327
- 62 Di Giacomo GA, Cury PR, da Silva AM, da Silva JV, Ajzen SA. A selective laser sintering prototype guide used to fabricate immediate interim fixed complete arch prostheses in flapless dental implant surgery: Technique description and clinical results. *J Prosthet Dent*. 2016 Dec; 116(6): 874-879. doi: 10.1016/j.prosdent.2016.04.018. Epub 2016 Jul 25. PMID: 27460326
- 63 di Torresanto VM, Milinkovic I, Torsello F, Cordaro L. Computer-assisted flapless implant surgery in edentulous elderly patients: a 2-year follow up. *Quintessence Int*. 2014 May; 45(5): 419-29. doi: 10.3290/j.qi.a31534. PMID: 24634906
- 64 Dinato TR, Grossi ML, Teixeira ER, Dinato JC, Sczapanik FS, Gehrke SA. Marginal Bone Loss in Implants Placed in the Maxillary Sinus Grafted with Anorganic Bovine Bone: A Prospective Clinical and Radiographic Study. *J Periodontol*. 2016 Aug; 87(8): 880-7. doi: 10.1902/jop.2016.150514. Epub 2016 Mar 4. PMID: 26944409
- 65 Doan N, Du Z, Crawford R, Reher P, Xiao Y. Is flapless implant surgery a viable option in posterior maxilla? A review; *Int J Oral Maxillofac Surg*. 2012 Sep; 41(9): 1064-71. doi: 10.1016/j.ijom.2012.06.002. Epub 2012 Jul 9
- 66 Doan NV, Du Z, Reher P, Xiao Y. Flapless dental implant surgery: a retrospective study of 1, 241 consecutive implants; *Int J Oral Maxillofac Implants*. 2014 May-Jun; 29(3): 650-8. doi: 10.11607/jomi.3195.
- 67 Doan NV, Du Z, Reher P, Xiao Y. Flapless dental implant surgery: a retrospective study of 1, 241 consecutive implants. *Int J Oral Maxillofac Implants*. 2014 May-Jun; 29(3): 650-8. doi: 10.11607/jomi.3195. PMID: 24818204
- 68 Domínguez GC, Fernández DA, Calzavara D, Fábrega JG. Immediate placement and restoration of implants in the esthetic zone: Trimodal Approach therapeutic options. *Int J Esthet Dent*. 2015 Spring; 10(1): 100-21. PMID: 25625129
- 69 Elsyad MA, Mahanna FF, Elshahat MA, Elshoukouki AH. Locators versus magnetic attachment effect on peri-implant tissue health of immediate loaded two implants retaining a mandibular overdenture: a 1-year randomised trial. *J Oral Rehabil*. 2016 Apr; 43(4): 297-305. doi: 10.1111/joor.12368. Epub 2015 Nov 9. PMID: 26549496
- 70 Esposito M, Maghaireh H, Grusovin MG, Ziouas I, Worthington HV. Soft tissue management for dental implants: what are the most effective techniques? A Cochrane systematic review; *Eur J Oral Implantol*. 2012 Autumn; 5(3): 221-38
- 71 Fangman R. 3D-gesteuerte Implantation mit Sofortbelastung im ästhetischen Bereich; *Jahrbuch Implantologie* 2012:44-47
- 72 Filipek D, Koszowski R, Smieszek-Wilczewska J. A comparative clinical study on human tooth extractions: flap vs flapless buccal surgery; *Quintessence Int*. 2012 Nov-Dec; 43(10): 887-9.
- 73 Fischer KR, Stavropoulos A, Calvo-Guirado JL, Schneider D, Fickl S. Influence of local administration of pamidronate on extraction socket healing – a histomorphometric proof-of-principle pre-clinical in vivo evaluation. *Clin Oral Implants Res*. 2015 Oct; 26(10): 1135-42. doi: 10.1111/clr.12483. Epub 2014 Sep 15. PMID: 25219296
- 74 Fortin T, Bosson JL, Isidori M, Blanchet E. Effect of flapless surgery on pain experienced in implant placement using an image-guided system. *Int J Oral Maxillofac Implants* 2006; 21:298–304.
- 75 Frascaria M, Casinelli M, Mauro S, D'Amario MM, Gatto R, Marzo G. Aesthetic rehabilitation in a young patient using a minimally invasive approach. A multidisciplinary case report. *Eur J Paediatr Dent*. 2016 Sep; 17(3): 234-238. PMID: 27759414
- 76 Fürhauser R, Mailath-Pokorny G, Haas R, Busenlechner D, Watzek G, Pommer B. Esthetics of Flapless Single-Tooth Implants in the Anterior Maxilla Using Guided Surgery: Association of Three-Dimensional Accuracy and Pink Esthetic Score. *Clin Implant Dent Relat Res*. 2015 Oct; 17 Suppl 2: e427-33. doi: 10.1111/cid.12264. Epub 2014 Oct 27. PMID: 25346154
- 77 Gamborena I, Lee J, Fiorini T, Wenzel BA, Schüpbach P, Wikesjö UM, Susin C. Effect of Platform Shift/Switch and Concave Abutments on Crestal Bone Levels and Mucosal Profile following Flap and Flapless Implant Surgery. *Clin Implant Dent Relat Res*. 2015 Oct; 17(5): 908-16. doi: 10.1111/cid.12208. Epub 2014 Feb 20. PMID: 25881715

- 78 Gibreel M, Fouad M, El-Waseef F, El-Amier N, Marzook H. Clips vs. Resilient Liners Used With Bilateral Posterior Prefabricated Bars for Retaining Four Implant-Supported Mandibular Overdentures. *J Oral Implantol*. 2017 Aug; 43(4): 273-281. doi: 10. 1563/aaid-joi-D-16-00148. Epub 2017 Jun 19. PMID: 28628356
- 79 Giuliani A, Iezzi G, Mazzoni S, Piattelli A, Perrotti V, Barone A. Regenerative properties of collagenated porcine bone grafts in human maxilla: demonstrative study of the kinetics by synchrotron radiation microtomography and light microscopy. *Clin Oral Investig*. 2017 Jun 2. doi: 10. 1007/s00784-017-2139-6. PMID: 28577053
- 80 Gober DD, Fien MJ. Flapless Extraction Socket Healing Around an Immediate Implant Placed into a Mandibular Molar Site Without the Use of Regenerative Materials: A Case Report. *Int J Periodontics Restorative Dent*. 2016 Mar-Apr; 36(2): e26-32. doi: 10. 11607/prd. 2516. PMID: 26901307
- 81 González D, Cabello G, Olmos G, Niños CL. The saddle connective tissue graft: a periodontal plastic surgery technique to obtain soft tissue coronal gain on immediate implants. A case report. *Int J Esthet Dent*. 2015 Autumn; 10(3): 444-55. PMID: 26171446
- 82 Güth JF, Beuer F, Edelhoff D. Navigierte Implantation ohne konventionelle Abformung – Ein Case-Report; digital dentistry Ausgabe 1-2013: 16-19
- 83 Hahn TR. Virtuelle Implantatplanung im Vergleich; digital dentistry Ausgabe 1-2013: 10-14
- 84 Hämmerle, Stone, Jung, Kapos, Brodala. Consensus Statements and Recommended Clinical Procedures Regarding Computer-Assisted Implant Dentistry, Fourth ITI Consensus Conference, sponsored by the International Team for Implantology (ITI) and held August 26–28, 2008, in Stuttgart, Germany.
- 85 Helal E, El-Zawahry M, Gouda A, Elkhadem AH, Ibrahim SI. Bone Height Changes of the Mandibular Edentulous Ridge in Screw Retained Versus Telescopic Restorations for Completely Edentulous Patients. *Open Access Maced J Med Sci*. 2017 Mar 15; 5(1): 72-78. doi: 10. 3889/oamjms. 2017. 004. Epub 2017 Jan 18. PMID: 28293321
- 86 Hopp M, Biffar R. Prothetische Planung bei Implantatversorgungen; Jahrbuch Implantologie 2012:100-106
- 87 Hsu YT, Chan HL, Rudek I, Bashutski J, Oh WS, Wang HL, Oh TJ. Comparison of Clinical and Radiographic Outcomes of Platform-Switched Implants with a Rough Collar and Platform-Matched Implants with a Smooth Collar: A 1-Year Randomized Clinical Trial. *Int J Oral Maxillofac Implants*. 2016 Mar-Apr; 31(2): 382-90. doi: 10. 11607/jomi. 4189. PMID: 27004284
- 88 Hsu YT, Oh TJ, Rudek I, Wang HL. The Effect of Initial-Phase Bone Remodeling on Implant Wound Healing. *Int J Periodontics Restorative Dent*. 2016 Sep-Oct; 36(5): 737-43. doi: 10. 11607/prd. 2353. PMID: 27560679
- 89 Hu C, Gong T, Lin W, Yuan Q, Man Y. Immediate implant placement into posterior sockets with or without buccal bone dehiscence defects: A retrospective cohort study. *J Dent*. 2017 Oct; 65: 95-100. doi: 10. 1016/j. jdent. 2017. 07. 010. Epub 2017 Jul 21. PMID: 28739320
- 90 Huang JY, Li HQ, Chen L, Zhao HM, Lin Y. Medication compliance and diet compliance in 309 oral lichen planus patients. *Shanghai Kou Qiang Yi Xue*. 2016 Jun; 25(3): 340-4. Chinese. PMID: 27609390
- 91 Inbarajan A, Banu F, Tv P, Kumar A, Seenivasan M. Pre-surgical Provisional Prosthesis for Immediate Non-occlusal-loaded Flapless Implant. *Cureus*. 2017 Jun 13; 9(6): e1345. doi: 10. 7759/cureus. 1345. PMID: 28713661
- 92 Inchingolo F, Ballini A, Cagiano R, Inchingolo AD, Serafini M, De Benedittis M, Cortelazzi R, Tatullo M, Marrelli M, Inchingolo AM, Vermesan D, Del Corso M, Malcangi G, Diteodoro S, Mura SA, Cantore S, Cortelazzi A, Paduanelli G, Resta G, Muollo F, Cirulli N, Pettini F, Farronato D, De Vito D, Caprio M, Haragus H, Dipalma G. Immediately loaded dental implants bioactivated with platelet-rich plasma (PRP) placed in maxillary and mandibular region. *Clin Ter*. 2015; 166(3): e146-52. doi: 10. 7417/T. 2015. 1845. PMID: 26152623
- 93 Jacobs R, Adrianses A, Verstecken A, Seutens P, Van Steenberghe D. Predictability of a three-dimensional planning system for oral implant surgery. *Dentomaxillofac Radiol*, 1999. 28 (105–112)
- 94 Jaffin RA, Kumar A, Berman CL. Immediate loading of implants in the completely edentulous maxilla: a clinical report. *Int J Oral Maxillofac Implants*, 2004. 19: 721– 730
- 95 Jain D, Gaur G. Flapless implant placement: a case report. *J Oral Implantol*. 2014 Jun; 40(3): 321-4. doi: 10. 1563/AAID-JOI-D-12-00026. PMID: 24914919
- 96 Jeong SM, Choi BH, Li J, Kim HS, Ko CY, Jung JH, Kim YH, Lee SH, Engelke W. Flapless implant surgery: an experimental study. *Oral Surg Oral Med Oral Pathol Otol Radiol Endod* 2007; 104: 24-28 Pmes
- 97 Jeong SM, Choi BH, Li J, Ahn KM, Lee SH, Xuan F. Bone healing around implants following flap and mini-flap surgeries: A radiographic evaluation. *Oral Surg Oral Med Oral Pathol Otol Radiol Endod* 2007; 106: 32-34
- 98 Jeong SM, Yoo JH, Fang Y, Choi BH, Son JS, Oh JH. The effect of guided flapless implant procedure on heat generation from implant drilling. *J Craniomaxillofac Surg*. 2014 Sep; 42(6): 725-9. doi: 10. 1016/j. jcms. 2013. 11. 002. Epub 2013 Nov 14. PMID: 24332815

- 99 Jeong SM, Yoo JH, Fang Y, Choi BH, Son JS, Oh JH1
The effect of guided flapless implant procedure on heat generation from implant drilling, Craniomaxillofac Surg. 2013 Nov 14. pii: S1010-5182(13)00301-6. doi: 10. 1016/j.jcms. 2013. 11. 002.
- 100 Jinmeng L, Guomin O. Accuracy of computer-guided implant placement and influencing factors. Hua Xi Kou Qiang Yi Xue Za Zhi. 2017 Feb 1; 35(1): 93-98. doi: 10. 7518/hxkq. 2017. 01. 015. Review. Chinese. PMID: 28326735
- 101 Kaku T, Ogino Y, Matsushita Y, Koyano K. Technique for identifying keratinized gingival tissue and soft tissue morphology on 3-dimensional implant-planning software images. J Prosthet Dent. 2016 Jul; 116(1): 21-4. doi: 10. 1016/j. prosdent. 2015. 09. 031. Epub 2016 Feb 26. PMID: 26922210
- 102 Kanazawa M, Feine J, Esfandiari S. Clinical guidelines and procedures for provision of mandibular overdentures on 4 mini-dental implants. J Prosthet Dent. 2017 Jan; 117(1): 22-27. doi: 10. 1016/j. prosdent. 2016. 04. 020. Epub 2016 Aug 1. PMID: 27492988
- 103 Karami D, Alborzina HR, Amid R, Kadkhodazadeh M, Yousefi N, Badakhshan S. In-Office Guided Implant Placement for Prosthetically Driven Implant Surgery. Craniomaxillofac Trauma Reconstr. 2017 Sep; 10(3): 246-254. doi: 10. 1055/s-0036-1584891. Epub 2016 Jul 19. Review. PMID: 28751952
- 104 Khayat PG, Arnal HM, Tourbah BI, Sennerby L. Clinical outcome of dental implants placed with high insertion torques (up to 176 Ncm). Clin Implant Dent Relat Res. 2013 Apr; 15(2): 227-33. doi: 10. 1111/j. 1708-8208. 2011. 00351. x. Epub 2011 May 20.
- 105 Kher U, Tunkiwala A, Umrigar Z. Management of Fenestration Defects During Flapless Immediate Implant Placement in the Esthetic Zone. Int J Periodontics Restorative Dent. 2015 Nov-Dec; 35(6): e90-6. doi: 10. 11607/prd. 1944. PMID: 26509994
- 106 Khzam N, Mattheos N, Roberts D, Bruce WL, Ivanovski S. Immediate placement and restoration of dental implants in the esthetic region: clinical case series. J Esthet Restor Dent. 2014 Sep-Oct; 26(5): 332-44. doi: 10. 1111/jerd. 12083. Epub 2013 Dec 18. PMID: 24350660
- 107 Kim JI, Choi BH, Li J, Xuan F, Jeong SM. Blood vessels of the peri-implant mucosa: A comparison between the flap and flapless procedures. Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2009; 107: 508-512
- 108 Kim JM, Sohn DS, Bae MS, Moon JW, Lee JH, Park IS. Flapless transcresal sinus augmentation using hydrodynamic piezoelectric internal sinus elevation with autologous concentrated growth factors alone. Implant Dent. 2014 Apr; 23(2): 168-74. doi: 10. 1097/ID. 000000000000053. PMID: 24637529
- 109 Kolerman R, Mijiritsky E, Barnea E, Dabaja A, Nissan J, Tal H. Esthetic Assessment of Implants Placed into Fresh Extraction Sockets for Single-Tooth Replacements Using a Flapless Approach. Clin Implant Dent Relat Res. 2017 Apr; 19(2): 351-364. doi: 10. 1111/cid. 12458. Epub 2016 Nov 2. PMID: 27807931
- 110 Kosinski T. Simple flapless surgical overdenture techniques; Dent Today. 2014 Mar; 33(3): 104, 106-7.
- 111 Laleman I, Bernard L, Vercruyssen M, Jacobs R, Bornstein MM, Quirynen M. Guided Implant Surgery in the Edentulous Maxilla: A Systematic Review. Int J Oral Maxillofac Implants. 2016; 31 Suppl: s103-17. doi: 10. 11607/jomi. 16suppl. g3. Review. PMID: 27228244
- 112 Lambert FE, Lecloux G, Grenade C, Bouhy A, Lamy M, Rompen EH. Less Invasive Surgical Procedures Using Narrow-Diameter Implants: A Prospective Study in 20 Consecutive Patients. J Oral Implantol. 2015 Dec; 41(6): 693-9. doi: 10. 1563/AAID-JOI-D-13-00201. Epub 2014 Apr 25. PMID: 24766161
- 113 Landazuri-Del Barrio RA, Nunes de Paula W, Spin-Neto R, Chaves de Souza JA, Pimentel Lopes de Oliveira GJ, Marcantonio-Junior E. Effect of 2 Different Drilling Speeds on the Osseointegration of Implants Placed With Flapless Guided Surgery: A Study in Rabbits. Implant Dent. 2017 Dec; 26(6): 882-887. doi: 10. 1097/ID. 0000000000000654. PMID: 28984664
- 114 Lazić Z, Golubović M, Marković A, Šćepanović M, Mišić T, Vlahović Z. Immunohistochemical analysis of blood vessels in peri-implant mucosa: a comparison between mini-incision flapless and flap surgeries in domestic pigs. Clin Oral Implants Res. 2015 Jul; 26(7): 775-9. doi: 10. 1111/clr. 12337. Epub 2014 Jan 20. PMID: 24438481
- 115 Lazić Z, Golubović M, Marković A, Šćepanović M, Mišić T, Vlahović Z. Immunohistochemical analysis of blood vessels in peri-implant mucosa: a comparison between mini-incision flapless and flap surgeries in domestic pigs; Clin Oral Implants Res. 2014 Jan 20. doi: 10. 1111/clr. 12337
- 116 Lee DH, Choi BH, Jeong SM, Xuan F, Kim HR. University Wonju, South Korea Effects of flapless implant surgery on soft tissue profiles: a prospective clinical study. Clin Implant Dent Relat Res. 2011 Dec; 13(4): 324-9. doi: 10. 1111/j. 1708-8208. 2009. 00217. x. Epub 2009 Aug 5.
- 117 Lee EA, Gonzalez-Martin O, Fiorellini J. Lingualized flapless implant placement into fresh extraction sockets preserves buccal alveolar bone: a cone beam computed tomography study; Int J Periodontics Restorative Dent. 2014 Jan-Feb; 34(1): 61-8. doi: 10. 11607/prd. 1807
- 118 Lee J, Fiorini T, Gamborena I, Wenzel BA, Schüpbach P, Wikesjö UM, Susin C. Effect of Platform Shift/Switch on Crestal Bone Levels and Mucosal Profile Following Flapless Surgery and Crestal/Subcrestal Implant Placement. Clin Implant Dent Relat Res. 2016 Feb; 18(1): 73-81. doi: 10. 1111/cid. 12243. Epub 2014 May 29. PMID: 24889401

- 119 Lei Q, Chen J, Jiang J, Fu X, Lin H, Cai Z. Comparison of soft tissue healing around implants in beagle dogs: flap surgery versus flapless surgery; *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2013 Mar; 115(3): e21-7. doi: 10.1016/j.oooo.2011.11.025. Epub 2012 May 30
- 120 Liebaug F, Liebaug A. Bewährtes Augmentationsmaterial: neue Verpackung erleichtert Applikation, *ORALCHIRURGIE JOURNAL* 3/2012: 28-31
- 121 Liebaug F. Status quo Zahnarzt-Laser, *Dental Kompakt* 2013, Spitta Verlag GmbH & Co. KG: 378-381.
- 122 Liebaug F, Wu N. Er:YAG-laserunterstützte Socket und Ridge Preservation, *LaserJournal* 3-2012:10-13
- 123 Liebaug F, Wu N. CAD/CAM patientspecific abutments and a new implant design." *Implants, international magazine of oral implantology*. Vol. 2 (2012): 28-32.
- 124 Liebaug F, Wu N. Implantology in the atrophied alveolar ridge without augmentation: Case study on the anterior maxilla." *Implants, international magazine of oral implantology*. Vol. 2 (2012): 20-24.
- 125 Liebaug F, Wu N. Implantatversorgung ohne Augmentation bei schräg atrophierten Processus alveolaris: Klinische Falldarstellung am anterioren Oberkiefer. *Implantologie Journal*. Vol. 2, (2012): 36-40.
- 126 Liebaug F, Wu N. Individuelle CAD/CAM-Abutments und neues Implantatdesign für mehr Ästhetik. *Implantologie Journal*. Vol. 2 (2012): 14-20.
- 127 Lin GH, Chan HL, Bashutski JD, Oh TJ, Wang HL. The effect of flapless surgery on implant survival and marginal bone level: a systematic review and meta-analysis; *J Periodontol*. 2014 May; 85(5): e91-103. doi: 10.1902/jop.2013.130481. Epub 2013 Oct 23
- 128 Lindeboom JA, van Wijk AJ. A comparison of two implant techniques on patient-based outcome measures: a report of flapless vs. conventional flapped implant placement; *Clin Oral Implants Res*. 2010 Apr 1; 21(4): 366-70. doi: 10.1111/j.1600-0501.2009.01866.x. Epub 2010 Feb 1.
- 129 Llamas-Monteaugudo O, Girbés-Ballester P, Viña-Almunia J, Peñarrocha-Oltra D, Peñarrocha-Diago M. Clinical parameters of implants placed in healed sites using flapped and flapless techniques: A systematic review. *Med Oral Patol Oral Cir Bucal*. 2017 Sep 1; 22(5): e572-e581. doi: 10.4317/medoral.21897. PMID: 28809375
- 130 Lopes A, Maló P, de Araújo Nobre M, Sánchez-Fernández E, Gravito I. The NobelGuide All-on-4 Treatment Concept for Rehabilitation of Edentulous Jaws: A Retrospective Report on the 7-Years Clinical and 5-Years Radiographic Outcomes. *Clin Implant Dent Relat Res*. 2017 Apr; 19(2): 233-244. doi: 10.1111/cid.12456. Epub 2016 Oct 18. PMID: 27758069
- 131 Lopes A, Maló P, de Araújo Nobre M, Sanchez-Fernández E. The NobelGuide All-on-4 Treatment Concept for Rehabilitation of Edentulous Jaws: A Prospective Report on Medium- and Long-Term Outcomes. *Clin Implant Dent Relat Res*. 2015 Oct; 17 Suppl 2: e406-16. doi: 10.1111/cid.12260. Epub 2014 Sep 5. PMID: 25195544
- 132 Maia LP, Reino DM, Muglia VA, Almeida AL, Nanci A, Wazen RM, de Oliveira PT, Palioto DB, Novaes AB Jr. Influence of periodontal tissue thickness on buccal plate remodelling on immediate implants with xenograft. *J Clin Periodontol*. 2015 Jun; 42(6): 590-8. doi: 10.1111/jcpe.12405. Epub 2015 May 4. PMID: 25875308
- 133 Maia LP, Reino DM, Muglia VA, de Souza SL, Palioto DB, Novaes AB Jr. The influence of the periodontal biotype on peri-implant tissues around immediate implants with and without xenografts. *Clinical and micro-computerized tomographic study in small Beagle dogs*. *Clin Oral Implants Res*. 2015; 26(1): 35-43. doi: 10.1111/clr.12298. Epub 2013 Dec 4. PMID: 24303896
- 134 Maia LP, Reino DM, Novaes Junior AB, Muglia VA, Taba Junior M, Grisi MF, Souza SL, Palioto DB. Influence of periodontal biotype on buccal bone remodeling after tooth extraction using the flapless approach with a xenograft: a histomorphometric and fluorescence study in small dogs. *Clin Implant Dent Relat Res*. 2015 Jan; 17 Suppl 1: e221-35. doi: 10.1111/cid.12182. Epub 2013 Dec 16. PMID: 24341781
- 135 Maier FM. Initial Crestal Bone Loss After Implant Placement with Flapped or Flapless Surgery-A Prospective Cohort Study. *Int J Oral Maxillofac Implants*. 2016 Jul-Aug; 31(4): 876-83. doi: 10.11607/jomi.4283. PMID: 27447156
- 136 Maiorana C, Poli PP, Poggio C, Barbieri P, Beretta M. Oral Rehabilitation of a Patient with Ectodermal Dysplasia Treated With Fresh-Frozen Bone Allografts and Computer-Guided Implant Placement: A Clinical Case Report. *J Oral Maxillofac Surg*. 2017 May; 75(5): 939-954. doi: 10.1016/j.joms.2017.01.010. Epub 2017 Jan 20. PMID: 28208056
- 137 Maló P, de Araújo Nobre M, Lopes A. Three-Year Outcome of Fixed Partial Rehabilitations Supported by Implants Inserted with Flap or Flapless Surgical Techniques. *J Prosthodont*. 2016 Jul; 25(5): 357-63. doi: 10.1111/jopr.12400. Epub 2015 Nov 20. PMID: 26588599
- 138 Mandelaris GA, Vlk SD. Guided implant surgery with placement of a presurgical CAD/CAM patient-specific abutment and provisional in the esthetic zone. *Compend Contin Educ Dent*. 2014 Jul-Aug; 35(7): 494-504. PMID: 25198877
- 139 Marra R, Acocella A, Alessandra R, Ganz SD, Blasi A. Rehabilitation of Full-Mouth Edentulism: Immediate Loading of Implants Inserted with Computer-Guided Flapless Surgery Versus Conventional Dentures: A 5-Year Multicenter Retrospective Analysis and OHIP Questionnaire. *Implant Dent*. 2017 Feb; 26(1): 54-58. doi: 10.1097/ID.0000000000000492. PMID: 27749520

- 140 Martins da Rosa JC, Fadanelli MA, Zimmerman D, de Oliveira Rosa ACP. The application of rapid prototyping to improve bone reconstruction in immediate dentoalveolar restoration: a case report. *Int J Esthet Dent*. 2017; 12(2): 258-270. PMID: 28653055
- 141 Maryod WH, Ali SM, Shawky AF. Immediate versus early loading of mini-implants supporting mandibular overdentures: a preliminary 3-year clinical outcome report. *Int J Prosthodont*. 2014 Nov-Dec; 27(6): 553-60. doi: 10.11607/ijp.3845. PMID: 25390870
- 142 Meizi E, Meir M, Laster Z.: New-design dental implants: a 1-year prospective clinical study of 344 consecutively placed implants comparing immediate loading versus delayed loading and flapless versus full-thickness flap. *Int J Oral Maxillofac Implants*. 2014 Jan-Feb; 29(1): e14-21. doi: 10.11607/jomi.te37. PMID: 24451883
- 143 Meloni SM, Tallarico M, De Riu G, Pisano M, Deledda A, Lolli FM, Massarelli O, Tullio A.: Guided implant surgery after free-flap reconstruction: Four-year results from a prospective clinical trial. *J Craniomaxillofac Surg*. 2015 Oct; 43(8): 1348-55. doi: 10.1016/j.jcms.2015.06.046. Epub 2015 Jul 11. PMID: 26297420
- 144 Merheb J, Vercruyssen M, Coucke W, Beckers L, Teughels W, Quirynen M. The fate of buccal bone around dental implants. A 12-month postloading follow-up study. *Clin Oral Implants Res*. 2017 Jan; 28(1): 103-108. doi: 10.1111/clr.12767. Epub 2016 Jan 8. PMID: 26749417
- 145 Migliorati M, Amorfi ni L, Signori A, Barberis F, Biavati AS, Benedicenti S. Internal bone temperature change during guided surgery preparations for dental implants: an in vitro study. *Int J Oral Maxillofac Implants*. 2013 Nov-Dec; 28(6): 1464-9. doi: 10.11607/jomi.2854.
- 146 Migliorati M, Amorfini L, Signori A, Biavati AS, Benedicenti S. Clinical and Aesthetic Outcome with Post-Extractive Implants with or without Soft Tissue Augmentation: A 2-Year Randomized Clinical Trial. *Clin Implant Dent Relat Res*. 2015 Oct; 17(5): 983-95. doi: 10.1111/cid.12194. Epub 2013 Dec 27. PMID: 24373419
- 147 Min HG, Kim SG, Oh JS, You JS, Lim SC, Jeong MA. Comparative Study on Osseointegration of Implants After Flap and Flapless Surgery in the Mandible of Dogs. *Implant Dent*. 2017 Oct; 26(5): 730-734. doi: 10.1097/ID.0000000000000648. PMID: 28846560
- 148 Miranda M, Bollero P, D'Ovidio N, Marsango V, Barlattani A Jr. Implant surgery and oral anticoagulant therapy: case report. *Oral Implantol (Rome)*. 2014 Dec 27; 7(2): 51-6. eCollection 2014 Apr-Jun. PMID: 25694802
- 149 Moraschini V, Velloso G, Luz D, Barboza EP. Implant survival rates, marginal bone level changes, and complications in full-mouth rehabilitation with flapless computer-guided surgery: a systematic review and meta-analysis. *Int J Oral Maxillofac Surg*. 2015 Jul; 44(7): 892-901. doi: 10.1016/j.ijom.2015.02.013. Epub 2015 Mar 17. Review. PMID: 25790741
- 150 Morgan N, Khawaja N, Obisesan O. Flapless sectioning; *Br Dent J*. 2013 May; 214(10): 485. doi: 10.1038/sj.bdj.2013.486
- 151 Mueller CK, Thorwarth M, Chen J, Schulze-Mosgau S. A. (Universität Jena, Deutschland) Laboratory study comparing the effect of ridge exposure using tissue punch versus mucoperiosteal flap on the formation of the implant-epithelial junction. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*. 2012 Jan 25
- 152 Nkenke E, Eitner S, Radespiel-Troger M, Vairaktaris E, Neukam FW, Fenner M. Patient-centred outcomes comparing transmucosal implant placement with an open approach in the maxilla: A prospective, non-randomized pilot study. *Clin Oral Implants Res* 2007; 18:197–203.
- 153 Nocini PF, Castellani R, Zanotti G, Bertossi D, Luciano U, De Santis D. The use of computer-guided flapless dental implant surgery (NobelGuide) and immediate function to support a fixed full-arch prosthesis in fresh-frozen homologous patients with bone grafts. *J Craniofac Surg*. 2013 Nov; 24(6): e551-8. doi: 10.1097/SCS.0b013e31829ac8e2. PMID: 24220464
- 154 Noelken R, Oberhansl F, Kunkel M, Wagner W. Immediately provisionalized OsseoSpeed™ Profile implants inserted into extraction sockets: 3-year results. *Clin Oral Implants Res*. 2016 Jun; 27(6): 744-9. doi: 10.1111/clr.12651. Epub 2015 Aug 24. PMID: 26300062
- 155 Odin G, Petitbois R, Cotten P, Philip P. Distraction Osteogenesis Using Bone Matrix Osteotensors in Ectodermal Dysplasia: A Case Report. *Implant Dent*. 2015 Oct; 24(5): 612-9. doi: 10.1097/ID.0000000000000310. PMID: 26317574
- 156 Oh JH, An X, Jeong SM, Choi BH. Digital Workflow for Computer-Guided Implant Surgery in Edentulous Patients: A Case Report. *J Oral Maxillofac Surg*. 2017 Dec; 75(12): 2541-2549. doi: 10.1016/j.joms.2017.08.008. Epub 2017 Aug 12. PMID: 28881181
- 157 Oliveira LB, Gabrielli MA, Gabrielli MF, Pereira-Filho VA. Implant-supported rehabilitation after treatment of atrophic mandibular fractures: report of two cases. *Oral Maxillofac Surg*. 2015 Dec; 19(4): 427-31. doi: 10.1007/s10006-015-0507-4. Epub 2015 May 22. PMID: 25994530
- 158 Oliver R1. Flapless dental implant surgery may improve hard and soft tissue outcomes; *J Evid Based Dent Pract*. 2012 Sep; 12(3 Suppl): 87-8. doi: 10.1016/S1532-3382(12)70020-9

- 159 Omura Y, Kanazawa M, Sato D, Kasugai S, Minakuchi S. Comparison of patient-reported outcomes between immediately and conventionally loaded mandibular two-implant overdentures: A preliminary study. *J Prosthodont Res.* 2016 Jul; 60(3): 185-92. doi: 10. 1016/j. jpor. 2015. 12. 010. Epub 2016 Jan 21. PMID: 26803560
- 160 Papaspyridakos P, Chen CJ, Chuang SK, Weber HP. Implant loading protocols for edentulous patients with fixed prostheses: a systematic review and meta-analysis. *Int J Oral Maxillofac Implants.* 2014; 29 Suppl: 256-70. doi: 10. 11607/jomi. 2014suppl. g4. 3. Review. PMID: 24660202
- 161 Papaspyridakos P, Rajput N, Kudara Y, Weber HP. Digital Workflow for Fixed Implant Rehabilitation of an Extremely Atrophic Edentulous Mandible in Three Appointments. *J Esthet Restor Dent.* 2017 May 6; 29(3): 178-188. doi: 10. 1111/jerd. 12290. Epub 2017 Mar 18. PMID: 28316122
- 162 Papaspyridakos P. Full Mouth Implant Rehabilitation with Staged Approach: 6-Year Clinical Follow-Up. *J Esthet Restor Dent.* 2015 Jul-Aug; 27(4): 213-23. doi: 10. 1111/jerd. 12158. Epub 2015 May 18. PMID: 25988909
- 163 Parmigiani-Izquierdo JM, Sánchez-Pérez A, Cabaña-Muñoz ME. A pilot study of postoperative pain felt after two implant surgery techniques: a randomized blinded prospective clinical study; *Int J Oral Maxillofac Implants.* 2013 Sep-Oct; 28(5): 1305-10. doi: 10. 11607/jomi. 3027
- 164 Passoni BB, Marques de Castro DS, de Araújo MA, de Araújo CD, Piatelli A, Benfatti CA. Influence of immediate/delayed implant placement and implant platform on the peri-implant bone formation. *Clin Oral Implants Res.* 2016 Nov; 27(11): 1376-1383. doi: 10. 1111/clr. 12750. Epub 2016 Feb 5. PMID: 26848887
- 165 Pérez-Albacete Martínez C, Vlahović Z, Šćepanović M, Videnović G, Barone A, Calvo-Guirado JL. Submerged flapless technique vs. conventional flap approach for implant placement: experimental domestic pig study with 12-month follow-up. *Clin Oral Implants Res.* 2016 Aug; 27(8): 964-8. doi: 10. 1111/clr. 12665. Epub 2015 Jul 3. PMID: 26147852
- 166 Pisoni L, Ordesi P, Siervo P, Bianchi AE, Persia M, Siervo S. Flapless Versus Traditional Dental Implant Surgery: Long-Term Evaluation of Crestal Bone Resorption. *J Oral Maxillofac Surg.* 2016 Jul; 74(7): 1354-9. doi: 10. 1016/j. joms. 2016. 01. 053. Epub 2016 Feb 13. PMID: 26954560
- 167 Pommer B, Becker K, Arnhart C, Fabian F, Rathe F, Stigler RG. How meta-analytic evidence impacts clinical decision making in oral implantology: a Delphi opinion poll. *Clin Oral Implants Res.* 2016 Mar; 27(3): 282-7. doi: 10. 1111/clr. 12528. Epub 2014 Dec 18. PMID: 25523402
- 168 Pommer B, Busenlechner D, Fürhauser R, Watzek G, Mailath-Pokorny G, Haas R. Trends in techniques to avoid bone augmentation surgery: Application of short implants, narrow-diameter implants and guided surgery. *J Craniomaxillofac Surg.* 2016 Oct; 44(10): 1630-1634. doi: 10. 1016/j. jcms. 2016. 08. 012. Epub 2016 Aug 21. PMID: 27637478
- 169 Pommer B, Mailath-Pokorny G, Haas R, Busenlechner D, Fürhauser R, Watzek G. Patients' preferences towards minimally invasive treatment alternatives for implant rehabilitation of edentulous jaws. *Eur J Oral Implantol.* 2014 Summer; 7 Suppl 2: S91-109. Review. PMID: 24977244
- 170 Pommer B, Valkova V, Ubaidha Maheen C, Fürhauser L, Rausch-Fan X, Seeman R. Scientific Interests of 21st Century Clinical Oral Implant Research: Topical Trend Analysis. *Clin Implant Dent Relat Res.* 2016 Aug; 18(4): 850-6. doi: 10. 1111/cid. 12371. Epub 2015 Aug 28. Review. PMID: 26315310
- 171 Pozzi A, Tallarico M, Marchetti M, Scarfò B, Esposito M. Computer-guided versus free-hand placement of immediately loaded dental implants: 1-year post-loading results of a multicentre randomised controlled trial. *Eur J Oral Implantol.* 2014 Autumn; 7(3): 229-42. PMID: 25237668
- 172 Prati C, Zamparini F, Scialabba VS, Gatto MR, Piattelli A, Montebugnoli L, Gandolfi MG. A 3-Year Prospective Cohort Study on 132 Calcium Phosphate-Blasted Implants: Flap vs Flapless Technique. *Int J Oral Maxillofac Implants.* 2016 Mar-Apr; 31(2): 413-23. doi: 10. 11607/jomi. 4623. PMID: 27004288
- 173 Prithviraj DR, Gupta V, Muley N, Sandhu P. One-piece implants: placement timing, surgical technique, loading protocol, and marginal bone loss; *J Prosthodont.* 2013 Apr; 22(3): 237-44. doi: 10. 1111/j. 1532-849X. 2012. 00928. x. Epub 2012 Sep 17
- 174 Raghoobar GM, Meijer HJA, van Minnen B, Vissink A. Immediate Reconstruction of Failed Implants in the Esthetic Zone Using a Flapless Technique and Autogenous Composite Tuberosity Graft. *J Oral Maxillofac Surg.* 2017 Sep 11. pii: S0278-2391(17)31169-2. doi: 10. 1016/j. joms. 2017. 09. 005. PMID: 28972882
- 175 Rajput N, K P S, G R, S C C, Mohammed J. Minimally invasive transmucosal insertion and immediate provisionalization of one-piece implant in partially edentulous posterior mandible. *J Clin Diagn Res.* 2013 Sep; 7(9): 2070-3. doi: 10. 7860/JCDR/2013/5580. 3408. Epub 2013 Sep 10
- 176 Ren SX, Hu XL, Li JH, Jiang X, Lin Y. A minimally invasive extraction technique using Benex Extraction System in flapless immediate implant placement in anterior teeth. *Shanghai Kou Qiang Yi Xue.* 2016 Jun; 25(3): 334-9. Chinese. PMID: 27609389

- 177 Rocci A, Rocci M, Scoccia A, Martignoni M, Gottlow J, Sennerby L. Immediate loading of maxillary prostheses using flapless surgery, implant placement in predetermined positions, and prefabricated provisional restorations. Part 2: a retrospective 10-year clinical study; *Int J Oral Maxillofac Implants*. 2012 Sep-Oct; 27(5): 1199-204.
- 178 Romero-Ruiz MM, Mosquera-Perez R, Gutierrez-Perez JL, Torres-Lagares D. Flapless implant surgery: A review of the literature and 3 case reports. *J Clin Exp Dent*. 2015 Feb 1; 7(1): e146-52. doi: 10. 4317/jced. 51985. eCollection 2015 Feb. Review. PMID: 25810827
- 179 Sarnachiaro GO, Chu SJ, Sarnachiaro E, Gotta SL, Tarnow DP. Immediate Implant Placement into Extraction Sockets with Labial Plate Dehiscence Defects: A Clinical Case Series. *Clin Implant Dent Relat Res*. 2016 Aug; 18(4): 821-9. doi: 10. 1111/cid. 12347. Epub 2015 Apr 27. PMID: 25916859
- 180 Sato D, Kanazawa M, Kim YK, Yokoyama S, Omura Y, Ozeki M, Minakuchi S, Kasugai S, Baba K. Immediate loading of two freestanding implants placed by computer-guided flapless surgery supporting a mandibular overdenture with magnetic attachments. *J Prosthodont Res*. 2016 Jan; 60(1): 54-62. doi: 10. 1016/j. jpor. 2015. 09. 002. Epub 2015 Oct 1. PMID: 26431687
- 181 Sato RK, Thomé G, Fontão FNGK, de Melo Filho A, Melo ACM. Morse Taper Implants Immediately Loaded in Fresh Extraction Sockets: A Prospective Cohort Study. *Implant Dent*. 2017 Jun; 26(3): 345-350. doi: 10. 1097/ID. 0000000000000575. PMID: 28362688
- 182 Schaefer F, Pistner H, Sieger J, Schaefer D. Interdisziplinäre Zusammenarbeit bei navigierter Implantation; *Jahrbuch Implantologie* 2012; 128-131
- 183 Schaefer F, Schaefer D, Zäuner MC, Sieger J. Sicher interdisziplinär navigieren; *Digital dentistry Ausgabe 1-2013* Seite 6-9
- 184 Scherer MD, Ingel AP, Rathi N. Flapped or flapless surgery for narrow-diameter implant placement for overdentures: advantages, disadvantages, indications, and clinical rationale; *Int J Periodontics Restorative Dent*. 2014; 34 Suppl 3: s89-95. doi: 10. 11607/prd. 1581.
- 185 Scherer MD, Ingel AP, Rathi N. Flapped or flapless surgery for narrow-diameter implant placement for overdentures: advantages, disadvantages, indications, and clinical rationale. *Int J Periodontics Restorative Dent*. 2014; 34 Suppl 3: s89-95. doi: 10. 11607/prd. 1581. Review. PMID: 24956097
- 186 Schimmel M, Müller F, Suter V, Buser D. Implants for elderly patients. *Periodontol* 2000. 2017 Feb; 73(1): 228-240. doi: 10. 1111/prd. 12166. Review. PMID: 28000268
- 187 Schirotti G, Angiero F, Zangerl A, Benedicenti S, Ferrante F, Widmann G. Accuracy of a flapless protocol for computer-guided zygomatic implant placement in human cadavers: expectations and reality. *Int J Med Robot*. 2016 Mar; 12(1): 102-8. doi: 10. 1002/rcs. 1646. Epub 2015 Jan 27. PMID: 25625236
- 188 Schnitman PA, Hayashi C, Han RK. Why guided when freehand is easier, quicker, and less costly?; *J Oral Implantol*. 2014 Dec; 40(6): 670-8. doi: 10. 1563/aaid-joi-D-14-00231.
- 189 Schnutenhaus S. Navigiertes Implantieren – Probleme erkennen und vermeiden; *Jahrbuch der Implantologie* 2012; 48-50
- 190 Sclar AG. Guidelines for flapless surgery. *J Oral Maxillofac Surg* 2007; 65:20–32.
- 191 Sclar AG. Preserving alveolar ridge anatomy following tooth removal in conjunction with immediate implant placement. The Bio-Col technique. *Atlas Oral Maxillofac Surg Clin North Am* 1999; 7:39–59.
- 192 Shadid RM, Sadaqah NR, Othman SA. Does the Implant Surgical Technique Affect the Primary and/or Secondary Stability of Dental Implants? A Systematic Review. *Int J Dent*. 2014; 2014: 204838. doi: 10. 1155/2014/204838. Epub 2014 Jul 7. Review. PMID: 25126094
- 193 Shen P, Zhao J, Fan L, Qiu H, Xu W, Wang Y, Zhang S, Kim YJ. Accuracy evaluation of computer-designed surgical guide template in oral implantology. *J Craniomaxillofac Surg*. 2015 Dec; 43(10): 2189-94. PMID: 26776292
- 194 Singhal MK, Billing RK, Srivastava N, Khan Z. A 2D Panoramic Surgical Stent Imaging: Complete Arch Mandibular Implant Fixed Prosthesis along with Bar Supported Maxillary over Denture. *Contemp Clin Dent*. 2017 Apr-Jun; 8(2): 332-336. doi: 10. 4103/ccd. ccd_472_17. PMID: 28839424
- 195 Soardi CM, Bramanti E, Cicciù M. Clinical and radiological 12-year follow-up of full arch maxilla prosthetic restoration supported by dental implants positioned through guide flapless surgery. *Minerva Stomatol*. 2014 Mar; 63(3): 85-94. English, Italian. PMID: 24632800
- 196 Spinelli D, Ottria L, DE Vico G, Bollero R, Barlattani A, Bollero P. Full rehabilitation with nobel clinician and proclera implant bridge: case report. *Oral Implantol (Rome)*. 2013 Oct 15; 6(2): 25-36. eCollection 2013. PMID: 24175051
- 197 Stoupel J, Lee CT, Glick J, Sanz-Miralles E, Chiuzan C, Papapanou PN. Immediate implant placement and provisionalization in the aesthetic zone using a flapless or a flap-involving approach: a randomized controlled trial. *J Clin Periodontol*. 2016 Dec; 43(12): 1171-1179. doi: 10. 1111/jcpe. 12610. Epub 2016 Oct 17. PMID: 27501953

- 198 Suárez-López Del Amo F, Lin GH, Monje A, Galindo-Moreno P, Wang HL. Influence of Soft Tissue Thickness on Peri-Implant Marginal Bone Loss: A Systematic Review and Meta-Analysis. *J Periodontol*. 2016 Jun; 87(6): 690-9. doi: 10.1902/jop.2016.150571. Epub 2016 Jan 16. PMID: 26777766
- 199 Sunitha RV, Sapthagiri E. Flapless implant surgery: a 2-year follow-up study of 40 implants; *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2013 Oct; 116(4): e237-43. doi: 10.1016/j.oooo.2011.12.027. Epub 2012 Jul 20
- 200 Tarnow DP, Chu SJ, Salama MA, Stappert CF, Salama H, Garber DA, Sarnachiaro GO, Sarnachiaro E, Gotta SL, Saito H. Flapless postextraction socket implant placement in the esthetic zone: part 1. The effect of bone grafting and/or provisional restoration on facial-palatal ridge dimensional change—a retrospective cohort study. *Int J Periodontics Restorative Dent*. 2014 May-Jun; 34(3): 323-31. doi: 10.11607/prd.1821. PMID: 24804283
- 201 Tarnow DP, Pérez JM, Ghamid SS, Manasse M, Froum SJ, Shabeesh M, Cho SC. A new technique to identify the location of the mucogingival junction on computer tomographic scans before implant placement. *Implant Dent*. 2015 Jun; 24(3): 338-42. doi: 10.1097/ID.0000000000000260. PMID: 25909489
- 202 Tian JH, Di P, Lin Y, Zhang Y, Wei DH, Cui HY. A pilot clinical study of immediate provisionalization with a chairside computer aided design and computer aided manufacture monolithic crown for single tooth immediate implant placement. *Zhonghua Kou Qiang Yi Xue Za Zhi*. 2017 Jan 9; 52(1): 3-9. doi: 10.3760/cma.j.issn.1002-0098.2017.01.002. Chinese. PMID: 28072987
- 203 Tsoukaki M, Kalpidis CD, Sakellari D, Tsalikis L, Mikrogioigis G, Konstantinidis A. Clinical, radiographic, microbiological, and immunological outcomes of flapped vs. flapless dental implants: a prospective randomized controlled clinical trial. *Clinic Oral Implants Res*. 2012 Jun 18
- 204 Van der Zee E, Oosterveld P, Van Waas MA. Effect of GBR and fixture installation on gingiva and bone levels at adjacent teeth. *Clin Oral Implants Res* 2004; 15:62–65.
- 205 van Steenberghe D. Periodontal aspects of osseointegrated oral implants modum Brånemark. *Dent Clin North Am* 1988; 32:355–370.
- 206 Vercruyssen M, De Laat A, Coucke W, Quirynen M. An RCT comparing patient-centred outcome variables of guided surgery (bone or mucosa supported) with conventional implant placement. *J Clin Periodontol*. 2014 Jul; 41(7): 724-32. doi: 10.1111/jcpe.12257. Epub 2014 May 27. PMID: 24708422
- 207 Verhamme LM, Meijer GJ, Bergé SJ, Soehardi RA, Xi T, de Haan AF, Schutyser F, Maal TJ. An Accuracy Study of Computer-Planned Implant Placement in the Augmented Maxilla Using Mucosa-Supported Surgical Templates. *Clin Implant Dent Relat Res*. 2015 Dec; 17(6): 1154-63. doi: 10.1111/cid.12230. Epub 2014 Sep 2. PMID: 25181255
- 208 Verhamme LM, Meijer GJ, Soehardi A, Bergé SJ, Xi T, Maal TJJ. An accuracy study of computer-planned implant placement in the augmented maxilla using osteosynthesis screws. *Int J Oral Maxillofac Surg*. 2017 Apr; 46(4): 511-517. doi: 10.1016/j.ijom.2016.10.013. Epub 2016 Nov 22. PMID: 27887876
- 209 Vlahovic Z, Markovic A, Golubovic M, Scepanovic M, Kalanovic M, Djinic A. Histopathological comparative analysis of peri-implant soft tissue response after dental implant placement with flap and flapless surgical technique. Experimental study in pigs. *Clin Oral Implants Res*. 2015 Nov; 26(11): 1309-14. doi: 10.1111/clr.12456. Epub 2014 Jul 14. PMID: 25039366
- 210 Vlahović Z, Marković A, Lazić Z, Šćepanović M, Đinić A, Kalanović M. Histopathological comparative analysis of periimplant bone inflammatory response after dental implant insertion using flap and flapless surgical technique. An experimental study in pigs. *Clin Oral Implants Res*. 2017 Sep; 28(9): 1067-1073. doi: 10.1111/clr.12919. Epub 2016 Jul 8. PMID: 27393033
- 211 Vlahovic Z, Markovic A, Golubovic M, Scepanovic M, Kalanovic M, Djinic A. Histopathological comparative analysis of peri-implant soft tissue response after dental implant placement with flap and flapless surgical technique. Experimental study in pigs; *Clin Oral Implants Res*. 2014 Jul 14. doi: 10.1111/clr.12456.
- 212 Vlahović Z, Mihailović B, Lazić Z, Golubović M. Comparative radiographic and resonance frequency analyses of the peri-implant tissue after dental implants placement using flap and flapless techniques: an experimental study on domestic pigs; *Vojnosanit Pregl*. 2013 Jun; 70(6): 586-94.
- 213 Vohra F, Al-Kheraif AA, Almas K, Javed F. Comparison of crestal bone loss around dental implants placed in healed sites using flapped and flapless techniques: a systematic review. *J Periodontol*. 2015 Feb; 86(2): 185-91. doi: 10.1902/jop.2014.140355. Epub 2014 Sep 4. Review. PMID: 25186777
- 214 Voulgarakis A, Strub JR, Att W. Outcomes of implants placed with three different flapless surgical procedures: A systematic review. *Int J Oral Maxillofac Surg*. 2013 Nov 27. pii: S09015027(13)01163-6. doi: 10.1016/j.ijom.2013.10.024.

- 215 Voulgarakis A, Strub JR, Att W. Outcomes of implants placed with three different flapless surgical procedures: a systematic review. *Int J Oral Maxillofac Surg.* 2014 Apr; 43(4): 476-86. doi: 10. 1016/j. ijom. 2013. 10. 024. Epub 2013 Nov 27. Review. PMID: 24290308
- 216 Voulgarakis A, Strub JR, Att W. Outcomes of implants placed with three different flapless surgical procedures: a systematic review; *Int J Oral Maxillofac Surg.* 2014 Apr; 43(4): 476-86. doi: 10. 1016/j. ijom. 2013. 10. 024. Epub 2013 Nov 27
- 217 Wadhwa B, Jain V, Bhutia O, Bhalla AS, Pruthi G. Flapless versus open flap techniques of implant placement: A 15-month follow-up study. *Indian J Dent Res.* 2015 Jul-Aug; 26(4): 372-7. doi: 10. 4103/0970-9290. 167629. PMID: 26481883
- 218 Wallkamm B, Ciocco M, Ettlin D, Syfrig B, Abbott W, Listrom R, Levin BP, Rosen PS. Three-year outcomes of Straumann Bone Level SLActive dental implants in daily dental practice: a prospective non-interventional study. *Quintessence Int.* 2015 Jul-Aug; 46(7): 591-602. doi: 10. 3290/j. qi. a34076. PMID: 25918761
- 219 Wang F, Huang W, Zhang Z, Wang H, Monje A, Wu Y. Minimally invasive flapless vs. flapped approach for single implant placement: a 2-year randomized controlled clinical trial. *Clin Oral Implants Res.* 2017 Jun; 28(6): 757-764. doi: 10. 1111/clr. 12875. Epub 2016 May 19. PMID: 27198588
- 220 Warrer K, Buser D, Lang NP, Karring T. Plaque-induced periimplantitis in the presence or absence of keratinized mucosa. An experimental study in monkeys. *Clin Oral Implants Res* 1995; 6:131–138.
- 221 Weigl P, Strangio A. The impact of immediately placed and restored single-tooth implants on hard and soft tissues in the anterior maxilla. *Eur J Oral Implantol.* 2016; 9 Suppl 1: S89-106. Review. PMID: 27314114
- 222 Wennström JL, Bengazi F, Lekholm U. The influence of the masticatory mucosa on the peri-implant soft tissue condition. *Clin Oral Implants Res* 1994; 5:1–8.
- 223 Wood DL, Hoag PM, Donnenfeld OW, Rosenfeld LD. Alveolar crest reduction following full and partial thickness flaps. *J Periodontol* 1972; 43:141–144.
- 224 Xu L, Wang X, Zhang Q, Yang W, Zhu W, Zhao K. Immediate versus early loading of flapless placed dental implants: a systematic review. *J Prosthet Dent.* 2014 Oct; 112(4): 760-9. doi: 10. 1016/j. prosdent. 2014. 01. 026. Epub 2014 May 13. Review. PMID: 24831750
- 225 Xu L, Wang Y, Nguyen VT, Chen J. Effects of Topical Antibiotic Prophylaxis on Wound Healing After Flapless Implant Surgery: A Pilot Study. *J Periodontol.* 2016 Mar; 87(3): 275-80. doi: 10. 1902/jop. 2015. 150464. Epub 2015 Nov 5. PMID: 26537369
- 226 Yadav R, Agrawal KK, Rao J, Anwar M, Alvi HA, Singh K, Himanshu D. Crestal Bone Loss under Delayed Loading of Full Thickness Versus Flapless Surgically Placed Dental Implants in Controlled Type 2 Diabetic Patients: A Parallel Group Randomized Clinical Trial. *J Prosthodont.* 2016 Oct 12. doi: 10. 1111/jopr. 12549. PMID: 27731955
- 227 Yamada J, Kori H, Tsukiyama Y, Matsushita Y, Kamo M, Koyano K. Immediate loading of complete-arch fixed prostheses for edentulous maxillae after flapless guided implant placement: a 1-year prospective clinical study. *Int J Oral Maxillofac Implants.* 2015 Jan-Feb; 30(1): 184-93. doi: 10. 11607/jomi. 3679. PMID: 25615924
- 228 Yang W, Ouyang XY. Radiographic and Clinical Outcomes of Ridge Augmentation in Molar Extraction Sockets with Severe Bone Wall Defect. *Chin J Dent Res.* 2015; 18(4): 221-8. doi: 10. 3290/j. cjdr. a35146. PMID: 26629555
- 229 You TM, Choi BH, Li J, Xuan F, Jeong SM, Jang SO. Morphogenesis of the peri-implant mucosa: A comparison between flap and flapless procedures in the canine mandible. *Oral Surg Oral Med Oral Pathol Otol Radiol Endod* 2009; 107: 66-70



Champions-Implants GmbH

Im Baumfeld 30 | Champions Platz 1 | D-55237 Flonheim
 fon +49 (0)6734 91 40 80 | fax +49 (0)6734 10 53
 info@champions-implants.com