

## **Sofortversorgung mit Zygoma-Implantaten**

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1. Aparicio C 1, Olivo A 2, de Paz V 3, Kraus D 4, Luque MM 5, Crooke E 6, Simon P 7, Simon M 7, Ferreira J 8, Sakima Serrano A 9, Ilg JP 9, Bilbao A 10, Fernandez A 11, Guitián P 12, Neugarten J 13. The zygoma anatomy-guided approach (ZAGA) for rehabilitation of the atrophic maxilla. *Clinical Dentistry Reviewed* (2022) 6:2.
2. Aparicio C 1,2\*, Polido WD 3,4, Chow J 5, Davó R 6,7, Al-Nawas B. Round and fat zygomatic implants: effectiveness after a 1-year follow-up. *Non-interventional study International Journal of Implant Dentistry* (2022) 8: 13.
3. Aparicio C, Lopez-Piriz R, Albrektsson T, ORIS Criteria of Success for the Zygoma-Related Rehabilitation: The (Revisited) Zygoma Success Code. *Int J Oral Maxillofac Implants* 2020; 35: 366-378.
4. Balshi TJ, Wolfinger GJ. Immediate loading of Branemark implants in edentulous mandibles. A preliminary report. *ImplantDent* 1997; 6:83-88
5. Bedrossian E, Rangert B, Stumpel L, Indresano T. Immediate function with the zygomatic Implant: A graftless solution for the patient with mild to advanced atrophy of the maxilla. *Int Oral Maxillofac Implants* 2006; 21: 937 – 942.
6. Boyne PJ, James RA. Grafting of the maxillary sinus floor with autogenous marrow and bone. *J Oral Surg.* 1980; 38: 613 – 6.
7. Branemark PI, Gröndahl K, Ohrenell LO, Nilsson P, Petruson B, Svensson B, Engstrand P, Nannmark U. Zygoma fixture in the management of advanced atrophy of the maxilla: Technique and long-term results. *Scand J Plast Reconstr Surg Hand Surg* 2004; 38: 70-85.
8. Branemark PI. Surgery and fixture installation. *Zygomatic fixture clinical procedures*, Göteborg: Nobel Biocare AB; 1998, p. 1.
9. Brunski JB, Biomechanical aspects of tilted regular and zygoma implants. In: Aparicio C, editor. *Zygomatic implants: the anatomy-guided approach*: Quintessence Publishing Co Ltd. London; UK. 2012. P. 25 – 45.
10. Carlos Aparicio, Sanz Antonio. Zygoma Anatomy-Guided Approach "Scarf Graft" for Prevention of Soft Tissue Dehiscence Around Zygomatic Implants: Technical Note. *Int J Oral Maxillofac Implants.* 2020 Mar/Apr; 35(2): e21 - e26.
11. Carlos Aparicio, Waldemar D Polido, James Chow, Lesley David, Rubén Davo, Eduardo Jose De Moraes, Alex Fibishenko, Masami Ando, Guy Mclellan, Costa Nicolopoulos, Michael A Pikos, Hooman Zarrinkelk, Thomas J Balshi, Miguel Peñarrocha. Identification of the Pathway and Appropriate Use of Four Zygomatic Implants in the Atrophic Maxilla: A Cross-Sectional Study. *Int J Oral Maxillofac Implants.* 2021 Jul-Aug; 36(4): 807 - 817.
12. Chow J, Hui E, Lee PK, Li W. Zygomatic implants – protocol for immediate occlusal loading: a preliminary report. *J Oral Maxillofac Surg.* 2006; 64: 804 – 11.
13. Chow J, Wat P, Hui E, Lee P, Li W. A new method to eliminate the risk of maxillary sinusitis with zygomatic implants. *Int J Oral Maxillofac Implants.* 2010; 25 (6): 1233 – 40.
14. Chow J. A novel device for template-guided surgery of the zygomatic implants. *Int J Oral Maxillofac Surg.* 2016; 45(10): 1253 – 5.
15. De Moraes EJ. Closure of Oroantral Communication with Buccal Fat Pad Flap in Zygomatic Implant Surgery: A Case Report. *Int J Oral Maxillofac Implants* 2008; 23: 143 – 146.
16. De Moraes EJ. The Buccal Fat Pad GFlap: An Option to Prevent and Treat Complications Regarding Complex Zygomatic Implant Surgery. Preliminary Report. *Int J Oral Maxillofac Implants* 2012; 27: 905 – 910.

17. Higuchi KW. The zygomaticus fixture: an alternative approach for implant anchorage in the posterior maxilla. *Ann R Australas Coll Dent Surg.* 2000; 15: 28 – 33.
18. Hirsch JM, Ohrnell LO, Henry PJ, Andreasson L, Branemark PI. A clinical evaluation of the zygoma fixture. One year follow-up at 16 clinics. *J Oral Maxillofac Surg* 2004; 62: 22-9.
19. Kahnberg KE, Henry PJ, Hirsch JM, Ohrnell LO, Andreasson L, Branemark PI, Chiapasco M, Gynther G, Finne K, Higuchi KW, Isaksson S, Malevez C, Neukam FW, Sevetz E Jr., Urgell JP, Widmark G, Bolind P. Clinical evaluation of the zygoma implant: 3-year follow-up at 16 clinics. *J Oral Maxillofac Surg.* 2007; 66: 2033 – 8.
20. Malevez C, Abarca M, Durdu F, Daelemans P. Clinical outcome of 103 consecutive zygomatic implants: A 6 48 months follow-up study. *Clin Oral Implants Res* 2004; 15: 18-22.
21. Miron Richard J., Giovanni Zucchelli, Joseph Choukroun. Use of platelet-rich fibrin in regenerative dentistry: asystematic review. *Clin Oral Invest* 2017; 21:1913-1927
22. Neder A, Use of buccal fat pad for grafts. *J Oral Surg* 1983; 55: 349-350.
23. Paul S Petrungaro 1, Santiago Gonzales 2, Carlos Villegas 3, Jardin Yousef 4, Alejandro Arango 5. A Retrospective Study of a Multi-Center Case Series of 452 Zygomatic Implants Placed Over 5 Years for Treatment of Severe Maxillary Atrophy. *Compend Contin Educ Dent.* 2020 Apr; 41(4):232-241.
24. Peturson B. Sinuscopy in patients with titanium implants in the nose and sinuses. *Scand J Plast Reconstr Surg Hand Surg.* 2004; 38: 86 – 93.
25. Samman N, Cheung LK, Tidemann H. The buccal fat pad in oral reconstruction. *Int J Oral Maxillofac Surg* 1993; 22: 2-6.
26. Stella JP, Warner MP. Sinus slot technique for simplification and improved orientation of zygomaticus dental Implants: A technical note. *Int J Oral Maxillofac Implants* 2000; 15: 889-893.
27. Tuminelli FJ, Walter R, Neugarten J, Bedrossian E. Immediate Loading of zygomatic implants: Asystematic review of implant survival, prothesis survival and potential complications. *Eur J Oral Implantol* 2017; 10: 79-87.
28. Verstreken K, Van Cleynenbreugel J, Martens K, Marchal G, van Steenberghe D, Suetens P. An image-guided planning system for endosseous oral implants. *IEEE Rrans Med Imaging.* 1998; 17: 842 – 52.