

Клиническая документация по системе имплантатов XiVE®

Система имплантатов XiVE используется в клинической практике уже больше 10 лет. Система отличается высокой хирургической гибкостью и универсальностью протезирования благодаря широкому выбору имплантатов и абатментов, двум вариантам соединения имплантата и абатмента (внутреннее шестигранное и внешнее квадратное) и гибкому протоколу лечения.

Согласно опубликованным данным, установка имплантатов XiVE — безопасная и предсказуемая процедура при таких показаниях, как съемные протезы¹⁻³, реставрации одиночного зуба⁴⁻¹⁷ и несъемные частичные или полные протезы¹⁸⁻²⁴. Более того, получены предсказуемые результаты с показателями приживаемости имплантатов от 95 до 100 %^{1-6, 8, 10, 14, 18-31}, в том числе в исследованиях с немедленной нагрузкой имплантатов^{1, 5, 18, 19, 21-23, 26, 27, 29}, даже для имплантата диаметром 3,0 мм^{6, 14, 15, 17}. Также имеются опубликованные клинические результаты для немедленной установки имплантатов в лунки удаленных зубов^{5, 13, 32, 33} и трансплантированную кость^{14, 34, 35}.

Благодаря патентованной комбинации уплотняющего дизайна резьбы и протокола подготовки в зависимости от кости достигается хорошая первичная стабильность имплантатов XiVE^{32, 34, 36}. Среднее значение усилия фиксации составляет от 28,7 до 40,1 Нсм^{21-23, 32, 36}, а среднее значение ISQ (КСИ) при установке имплантата — от 61 до 74^{21-23, 32, 34, 36}. Схожие значения получены для узкого имплантата диаметром 3,0 мм^{14, 17, 20, 32}, а также для имплантатов, установленных в лунки удаленных зубов³² и трансплантированную кость³⁴.

В нескольких клинических исследованиях сообщается о среднем изменении уровня кости в области шейки имплантатов XiVE после 1 года^{1, 3, 5, 6, 10, 14, 18, 19, 31, 37} (от +0,1 до -1,1 мм), 2 лет^{26, 27} (от -0,9 до -1,0 мм), 3 лет^{8, 13, 14, 17, 21-23} (от -0,53 до -1,37 мм), 4 лет²⁰ (-1,16 мм), 5 лет^{2-4, 29, 38} (от -0,88 до -1,9 мм) и 10 лет функционирования²⁸ (-1,27 мм).

1. Degidi M, Piattelli A. Comparative analysis study of 702 dental implants subjected to immediate functional loading and immediate nonfunctional loading to traditional healing periods with a follow-up of up to 24 months. *Int J Oral Maxillofac Implants* 2005;20(1):99-107. [Abstract in PubMed](#)
2. Heschl A, Payer M, Clar V, et al. Overdentures in the edentulous mandible supported by implants and retained by a Dolder bar: a 5-year prospective study. *Clin Impl Dent Rel Res* 2013;15(4):589-99. [Abstract in PubMed](#)
3. Geckili O, Mumcu E, Bilhan H. Radiographic evaluation of narrow diameter implants after 5 years of clinical function: a retrospective study. *J Oral Implantol* 2011;E-pub Feb 5, doi:10.1563/AAID-JOI-D-10-00158.1 [Abstract in PubMed](#)
4. Moeintaghavi A, Radvar M, Arab H, Boostani H, Ghiami E. Evaluation of 3- to 8-year treatment outcomes and success rates with six implant brands in partially edentulous patients. *J Oral Implantol* 2012;38(s1):441-48. [Abstract in PubMed](#)
5. Redemagni M, Cremonesi S, Garlini G, Maiorana C. Soft tissue stability with immediate implants and concave abutments. *Eur J Esthet Dent* 2009;4(4):328-37. [Abstract in PubMed](#)
6. Oyama K, Kan JY, Rungcharassang K, Lozada J. Immediate provisionalization of 3.0-mm-diameter implants replacing single missing maxillary and mandibular incisors: 1-year prospective study. *Int J Oral Maxillofac Implants* 2012;27(1):173-80. [Abstract in PubMed](#)
7. Payer M, Kirmeier R, Jakse N, et al. Immediate provisional restoration of XiVE screw-type implants in the posterior mandible. *Clin Oral Implants Res* 2008;19(2):160-5. [Abstract in PubMed](#)
8. Merli M, Lombardini F, Esposito M. Vertical ridge augmentation with autogenous bone grafts 3 years after loading: resorbable barriers versus titanium-reinforced barriers. A randomized controlled clinical trial. *Int J Oral Maxillofac Implants* 2010;25(4):801-7. [Abstract in PubMed](#)
9. Merli M, Migani M, Esposito M. Vertical ridge augmentation with autogenous bone grafts: resorbable barriers supported by osteosynthesis plates versus titanium-reinforced barriers. A preliminary report of a blinded, randomized controlled clinical trial. *Int J Oral Maxillofac Implants* 2007;22(3):373-82. [Abstract in PubMed](#)
10. Nothdurft F, Pospiech P. Prefabricated zirconium dioxide implant abutments for single-tooth replacement in the posterior region: evaluation of peri-implant tissues and superstructures after 12 months of function. *Clin Oral Implants Res* 2010;21(8):857-65. [Abstract in PubMed](#)
11. Gehrke P, Lobert M, Dhom G. Reproducibility of the pink esthetic score--rating soft tissue esthetics around single-implant restorations with regard to dental observer specialization. *J Esthet Restor Dent* 2008;20(6):375-84; discussion 85. [Abstract in PubMed](#)
12. Cortes AR, Cortes DN. Nontraumatic bone expansion for immediate dental implant placement: an analysis of 21 cases. *Implant Dent* 2010;19(2):92-7. [Abstract in PubMed](#)
13. Degidi M, Nardi D, Piattelli A. Peri-implant tissue and radiographic bone levels in the immediately restored single-tooth implant: a retrospective analysis. *J Periodontol* 2008;79(2):252-9. [Abstract in PubMed](#)
14. Degidi M, Daprile G, Piattelli A. RFA values of implants placed in sinus grafted and nongrafted sites after 6 and 12 months. *Clin Impl Dent Rel Res* 2009;11(3):178-82. [Abstract in PubMed](#)
15. Degidi M, Novaes AB, Jr., Nardi D, Piattelli A. Outcome analysis of immediately placed, immediately restored implants in the esthetic area: the clinical relevance of different interimplant distances. *J Periodontol* 2008;79(6):1056-61. [Abstract in PubMed](#)
16. Gehrke P, Degidi M, Lulay-Saad Z, Dhom G. Reproducibility of the implant crown aesthetic index--rating aesthetics of single-implant crowns and adjacent soft tissues with regard to observer dental specialization. *Clin Impl Dent Rel Res* 2009;11(3):201-13. [Abstract in PubMed](#)
17. Degidi M, Nardi D, Piattelli A. Immediate versus one-stage restoration of small-diameter implants for a single missing maxillary lateral incisor: a 3-year randomized clinical trial. *J Periodontol* 2009;80(9):1393-8. [Abstract in PubMed](#)
18. Degidi M, Daprile G, Piattelli A. Implants inserted with low insertion torque values for intraoral welded full-arch prosthesis: 1-year follow-up. *Clin Impl Dent Rel Res* 2012;14(Supplement 1):e39-45. [Abstract](#)
19. Degidi M, Nardi D, Piattelli A. Immediate loading of the edentulous maxilla with a final restoration supported by an intraoral welded titanium bar: a case series of 20 consecutive cases. *J Periodontol* 2008;79(11):2207-13. [Abstract in PubMed](#)
20. Degidi M, Nardi D, Piattelli A. Immediate restoration of small-diameter implants in cases of partial posterior edentulism: a 4-year case series. *J Periodontol* 2009;80(6):1006-12. [Abstract in PubMed](#)
21. Degidi M, Nardi D, Piattelli A. A comparison between immediate loading and immediate restoration in cases of partial posterior mandibular edentulism: a 3-year randomized clinical trial. *Clin Oral Implants Res* 2010;21(7):682-87. [Abstract in PubMed](#)
22. Degidi M, Nardi D, Piattelli A. Immediate definitive rehabilitation of the edentulous patient using an intraorally welded titanium framework: a 3-year prospective study. *Quintessence Int* 2010;41(8):651-9. [Abstract in PubMed](#)
23. Degidi M, Nardi D, Piattelli A. Immediate loading of the edentulous maxilla with a definitive restoration supported by an intraorally welded titanium bar and tilted implants. *Int J Oral Maxillofac Implants* 2010;25(6):1175-82. [Abstract in PubMed](#)
24. Degidi M, Nardi D, Piattelli A, Malevez C. Immediate loading of zygomatic implants using the intraoral welding technique: a 12-month case series. *Int J Periodontics Restorative Dent* 2012;32(5):e154-61. [Abstract in PubMed](#)
25. Cortes AR, Cortes DN, Arita ES. Correction of buccal dehiscence at the time of implant placement without barrier membranes: a retrospective cone beam computed tomographic study. *Int J Oral Maxillofac Implants* 2013;28(6):1564-9. [Abstract in PubMed](#)
26. Degidi M, Piattelli A, Carinci F. Parallel screw cylinder implants: comparative analysis between immediate loading and two-stage healing of 1,005 dental implants with a 2-year follow up. *Clin Impl Dent Rel Res* 2006;8(3):151-60. [Abstract in PubMed](#)
27. Degidi M, Nardi D, Piattelli A. Immediate rehabilitation of the edentulous mandible with a definitive prosthesis supported by an intraorally welded titanium bar. *Int J Oral Maxillofac Implants* 2009;24(2):342-7. [Abstract in PubMed](#)
28. Heschl A, Payer M, Platzer S, et al. Immediate rehabilitation of the edentulous mandible with screw type implants: results after up to 10 years of clinical function. *Clin Oral Implants Res* 2012;23(10):1217-23. [Abstract in PubMed](#)
29. Payer M, Heschl A, Wimmer G, et al. Immediate provisional restoration of screw-type implants in the posterior mandible: results after 5 years of clinical function. *Clin Oral Implants Res* 2010;21(8):815-21. [Abstract in PubMed](#)
30. Tunkel J, de Stavola L, Khoury F. Changes in soft tissue dimensions following three different techniques of stage-two surgery: a case series report. *Int J Periodontics Restorative Dent* 2013;33(4):411-8. [Abstract in PubMed](#)
31. Turk AG, Ulusoy M, Toksavul S, Guneri P, Koca H. Marginal bone loss of two implant systems with three different superstructure materials: a randomised clinical trial. *J Oral Rehabil* 2013;40(6):457-63. [Abstract in PubMed](#)
32. Degidi M, Daprile G, Piattelli A. Primary stability determination by means of insertion torque and RFA in a sample of 4,135 implants. *Clin Impl Dent Rel Res* 2012;14(4):501-07. [Abstract in PubMed](#)
33. Bilhan H, Mumcu E, Geckili O, Atalay B. The evaluation of the success of immediately placed single implants: a retrospective clinical study. *Implant Dent* 2011;20(3):215-25. [Abstract in PubMed](#)
34. Degidi M, Daprile G, Piattelli A, Carinci F. Evaluation of factors influencing resonance frequency analysis values, at insertion surgery, of implants placed in sinus-augmented and nongrafted sites. *Clin Impl Dent Rel Res* 2007;9(3):144-9. [Abstract in PubMed](#)
35. De Stavola L, Tunkel J. A new approach to maintenance of regenerated autogenous bone volume: delayed relining with xenograft and resorbable membrane. *Int J Oral Maxillofac Implants* 2013;28(4):1062-7. [Abstract in PubMed](#)
36. Degidi M, Daprile G, Piattelli A. Determination of primary stability: a comparison of the surgeon's perception and objective measurements. *Int J Oral Maxillofac Implants* 2010;25(3):558-61. [Abstract in PubMed](#)
37. Degidi M, Piattelli A, Gehrke P, Carinci F. Clinical outcome of 802 immediately loaded 2-stage submerged implants with a new grit-blasted and acid-etched surface: 12-month follow-up. *Int J Oral Maxillofac Implants* 2006;21(5):763-8. [Abstract in PubMed](#)
38. Degidi M, Nardi D, Piattelli A. A six-year follow-up of full-arch immediate restorations fabricated with an intraoral welding technique. *Implant Dent* 2013;22(3):224-31. [Abstract in PubMed](#)