

Restauraciones unitarias con el Astra Tech Implant System™

Los primeros estudios que evalúan los resultados de restauraciones unitarias con el Astra Tech Implant System™ se publicaron en el año 1997¹⁻⁴. Después de 1-2 años de seguimiento, fueron reportadas elevadas tasas de supervivencia de implantes (más del 97,8%), cambios extremadamente pequeños en el nivel de hueso marginal (0,0-0,3 mm) y sorprendentemente muy pocos casos de aflojamiento de tornillos.

Hoy en día existen más de 40 artículos, incluyendo seguimientos a 10 años, en publicaciones revisadas por expertos que informan sobre el éxito de las rehabilitaciones unitarias sobre implantes Astra Tech. Algunos ejemplos son:

- Comportamiento clínico en localizaciones posteriores⁵⁻⁷ o anteriores^{4, 8-17}
- Comportamiento clínico al aplicar protocolos de una fase quirúrgica^{5, 7-9, 11, 18} combinados con carga inmediata^{10, 13, 19-21} o en alveolos postextracción^{11, 18, 22, 23}
- Evaluaciones estéticas minuciosas^{14, 18, 20, 24, 25}
- Resultados a largo plazo^{7, 11, 12, 15, 26-29}
- Regeneración ósea utilizando diferentes técnicas de elevación de seno^{5, 6, 30, 31}
- Pacientes periodontalmente comprometidos³²⁻³⁴
- Evaluación de parámetros microbiológicos^{16, 35} y uso de antibacterianos³⁶
- Evaluación de la calidad de vida de los pacientes³⁷

En general, las tasas de supervivencia de los implantes son del 94-100%, independientemente de la técnica quirúrgica o de la localización en la boca. La documentación demuestra claramente que el nivel del hueso de soporte, alrededor de los implantes Astra Tech, se mantiene. Los implantes colocados en la zona anterior del maxilar superior incluso pueden llegar a ganar hueso después de un periodo de 5 años¹⁵. Asimismo, también se consigue una buena estética, con una excelente opinión por parte de pacientes y clínicos¹⁴.

Referencias bibliográficas

Se pueden pedir separatas de los artículos acompañados por un ID No.
Puede leer más revisiones científicas en www.astratechdental.es

1. Karlsson U, Gøtfredsen K, Olsson C. Single-tooth replacement by osseointegrated Astra Tech dental implants: a 2-year report. *Int J Prosthodont* 1997;10(4):318-24. (ID No. 75067) [Abstract in PubMed](#)
2. Kemppainen P, Eskola S, Ylipaavalniemi P. A comparative prospective clinical study of two single-tooth implants: a preliminary report of 102 implants. *J Prosthet Dent* 1997;77(4):382-7. [Abstract in PubMed](#)
3. Norton MR. The Astra Tech single-tooth implant system: a report on 27 consecutively placed and restored implants. *Int J Periodontics Rest Dent* 1997;17(6):575-83.
4. Palmer RM, Smith BJ, Palmer PJ, Floyd PD. A prospective study of Astra single tooth implants. *Clin Oral Implants Res* 1997;8(3):173-9. (ID No. 75182) [Abstract in PubMed](#)
5. Diss A, Dohan DM, Mouhyi J, Mahler P. Osteotome sinus floor elevation using Choukroun's platelet-rich fibrin as grafting material: a 1-year prospective pilot study with microthreaded implants. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2008;105(5):572-9. [Abstract in PubMed](#)
6. Fermegård R, Åstrand P. Osteotome sinus floor elevation and simultaneous placement of implants – a 1-year retrospective study with Astra Tech implants. *Clin Impl Dent Rel Res* 2008;10(1):62-9. [Abstract in PubMed](#)
7. Norton MR. Multiple single-tooth implant restorations in the posterior jaws: maintenance of marginal bone levels with reference to the implant-abutment microgap. *Int J Oral Maxillofac Implants* 2006;21(5):777-84. (ID No. 78773) [Abstract in PubMed](#)
8. Cooper L, Felton DA, Kugelberg CF, Ellner S, Chaffee N, Molina AL, et al. A multicenter 12-month evaluation of single-tooth implants restored 3 weeks after 1-stage surgery. *Int J Oral Maxillofac Implants* 2001;16(2):182-92. (ID No. 75410) [Abstract in PubMed](#)
9. Cooper LF, Ellner S, Moriarty J, Felton DA, Paquette D, Molina A, et al. Three-year evaluation of single-tooth implants restored 3 weeks after 1-stage surgery. *Int J Oral Maxillofac Implants* 2007;22(5):791-800. (ID No. 78988) [Abstract in PubMed](#)
10. De Kok IJ, Chang SS, Moriarty JD, Cooper LF. A retrospective analysis of peri-implant tissue responses at immediate load/provisionalized microthreaded implants. *Int J Oral Maxillofac Implants* 2006;21(3):405-12. (ID No. 78727) [Abstract in PubMed](#)
11. Gøtfredsen K. A 5-year prospective study of single-tooth replacements supported by the Astra Tech implant: a pilot study. *Clin Impl Dent Rel Res* 2004;6(1):1-8. (ID No. 78273) [Abstract in PubMed](#)
12. Norton MR. Biologic and mechanical stability of single-tooth implants: 4- to 7-year follow-up. *Clin Impl Dent Rel Res* 2001;3(4):214-20. [Abstract in PubMed](#)
13. Norton MR. A short-term clinical evaluation of immediately restored maxillary TiOblast single-tooth implants. *Int J Oral Maxillofac Implants* 2004;19(2):274-81. (ID No. 78173) [Abstract in PubMed](#)
14. Palmer RM, Farkondeh N, Palmer PJ, Wilson RF. Astra Tech single-tooth implants: an audit of patient satisfaction and soft tissue form. *J Clin Periodontol* 2007;34(7):633-8. (ID No. 78941) [Abstract in PubMed](#)
15. Palmer RM, Palmer PJ, Smith BJ. A 5-year prospective study of Astra single tooth implants. *Clin Oral Implants Res* 2000;11(2):179-82. (ID No. 75352) [Abstract in PubMed](#)
16. Puchades-Roman L, Palmer RM, Palmer PJ, Howe LC, Ide M, Wilson RF. A clinical, radiographic, and microbiologic comparison of Astra Tech and Bräemark single tooth implants. *Clin Impl Dent Rel Res* 2000;2(2):78-84. (ID No. 75354) [Abstract in PubMed](#)
17. Norton MR. Marginal bone levels at single tooth implants with a conical fixture design. The influence of surface macro- and microstructure. *Clin Oral Implants Res* 1998;9(2):91-9. [Abstract in PubMed](#)
18. Lops D, Chiapasco M, Rossi A, Bressan E, Romeo E. Incidence of inter-proximal papilla between a tooth and an adjacent immediate implant placed into a fresh extraction socket: 1-year prospective study. *Clin Oral Implants Res* 2008;19(11):1135-40. (ID No. 79132) [Abstract in PubMed](#)
19. Donati M, La Scala V, Billi M, Di Dino B, Torrisi P, Berglundh T. Immediate functional loading of implants in single tooth replacement: a prospective clinical multicenter study. *Clin Oral Implants Res* 2008;19:740-48. (ID No. 79065) [Abstract in PubMed](#)
20. Harvey BV. Optimizing the esthetic potential of implant restorations through the use of immediate implants with immediate provisories. *J Periodontol* 2007;78(4):770-6. [Abstract in PubMed](#)
21. Bilhan H, Sonmez E, Mumcu E, Bilgin T. Immediate loading: three cases with up to 38 months of clinical follow-up. *J Oral Implantol* 2009;35(2):75-81. [Abstract in PubMed](#)
22. Oxby G, Lindqvist J, Nilsson P. Early loading of Astra Tech OsseoSpeed implants placed in thin alveolar ridges and fresh extraction sockets. *Appl Osseointegration Res* 2006;5:68-72. (ID No. 78735)
23. Norton MR, Wilson J. Dental implants placed in extraction sites implanted with bioactive glass: human histology and clinical outcome. *Int J Oral Maxillofac Implants* 2002;17(2):249-57. (ID No. 75419) [Abstract in PubMed](#)
24. Cody RP. Esthetics in implant dentistry – a case report using the Astra Tech Zir Abutment in a maxillary anterior single tooth reconstruction. *US Dentistry* 2006;27-28.
25. Lee DW, Huh JK, Park KH, Choi JK, Kim CK, Moon IS. Comparison of interproximal soft tissue height for single implants and contra-lateral natural teeth. *Clin Oral Implants Res* 2009;E-pub Aug 26, DOI: 10.1111/j.1600-0501.2009.01737.x. [Abstract in PubMed](#)
26. Steveling H, Roos J, Rasmusson L. Maxillary implants loaded at 3 months after insertion: results with Astra Tech implants after up to 5 years. *Clin Impl Dent Rel Res* 2001;3(3):120-4. (ID No. 75414) [Abstract in PubMed](#)
27. Wennström JL, Ekestubbe A, Gröndahl K, Karlsson S, Lindhe J. Implant-supported single-tooth restorations: a 5-year prospective study. *J Clin Periodontol* 2005;32(6):567-74. (ID No. 78476) [Abstract in PubMed](#)
28. Gøtfredsen K. A 10-year prospective study of single tooth implants placed in the anterior maxilla. *Clin Implant Dent Relat Res* 2009;E-pub Aug 6, DOI: 10.1111/j.1708-8208.2009.00231.x. [Abstract in PubMed](#)
29. Chang M, Wennström J. Longitudinal changes in tooth/single-implant relationship and bone topography. An 8-year study. paper III in Thesis The peri-implant tissues from an aesthetic perspective 2009 (ISBN:978-91-628-7837-5).
30. Thor A, Sennerby L, Hirsch J-M, Rasmusson L. Bone formation at the maxillary sinus floor following simultaneous elevation of the mucosal lining and implant installation without graft material. – An evaluation of 20 patients treated with 44 Astra Tech implants. *J Oral Maxillofac Surg* 2007;65(Suppl 1):64-72. (ID No. 78929) [Abstract in PubMed](#)
31. Kahnberg KE, Wallstrom M, Rasmusson L. Local Sinus Lift for Single-Tooth Implant. I. Clinical and Radiographic Follow-Up. *Clin Implant Dent Relat Res* 2009;E-pub Sep 9, DOI: 10.1111/j.1708-8208.2009.00201.x. [Abstract in PubMed](#)
32. Baelum V, Ellegaard B. Implant survival in periodontally compromised patients. *J Periodontol* 2004;75(10):1404-12. [Abstract in PubMed](#)
33. Ellegaard B, Baelum V, Karring T. Implant therapy in periodontally compromised patients. *Clin Oral Implants Res* 1997;8(3):180-8. (ID No. 75060) [Abstract in PubMed](#)
34. Ellegaard B, Kolsen-Petersen J, Baelum V. Implant therapy involving maxillary sinus lift in periodontally compromised patients. *Clin Oral Implants Res* 1997;8(4):305-15. [Abstract in PubMed](#)
35. DeAngelo SJ, Kumar PS, Beck FM, Tatakis DN, Leblebicioglu B. Early soft tissue healing around one-stage dental implants: clinical and microbiologic parameters. *J Periodontol* 2007;78(10):1878-86. [Abstract in PubMed](#)
36. Khouri SB, Thomas L, Walters JD, Sheridan JF, Leblebicioglu B. Early Wound Healing Following One-Stage Dental Implant Placement With and Without Antibiotic Prophylaxis: A Pilot Study. *J Periodontol* 2008;79(10):1904-12. [Abstract in PubMed](#)
37. Goshima K, Lexner MO, Thomsen CE, Miura H, Gøtfredsen K, Bakke M. Functional aspects of treatment with implant-supported single crowns: a quality control study in subjects with tooth agenesis. *Clin Oral Implants Res* 2009;E-pub Oct 21, DOI: 10.1111/j.1600-0501.2009.01809.x. [Abstract in PubMed](#)

