

T3[®] Short Implant Reference List

PMID	REFERENCE	STUDY TYPE Variables	STUDY IMPLANTS: Lengths	Implant (N)	CSRs (%)
22631883	Sivolella S, Stellini E, Testori T, Di Fiore A, Berengo M, Lops D. Splinted and unsplinted short implants in mandibles: a retrospective evaluation with 5 to 16 years of follow-up. J Periodontol. 2013;84(4):502-12.	RETRO 109 Patients 9 years	Osseotite [®] and Machined: 7.0 and 8.5 mm	Oss: 104 Mach: 176	Oss = 97.2 Mach = 95.7
16160574	Goené R, Bianchesi C, Hüerzeler M, Del Lupo R, Testori T, Davarpanah M, Jalbout Z. Performance of short implants in partial restorations: 3-year follow-up of Osseotite implants. Implant Dent. 2005;14(3):274-80.	RETRO 188 Patients 3 years	Osseotite: 7.0 and 8.5 mm	Total: 311	95.8
25422824	Felice P, Cannizzaro G, Barausse C, Pistilli R, Esposito M. Short implants versus longer implants in vertically augmented posterior mandibles: a randomised controlled trial with 5-year after loading follow-up. Eur J Oral Implantol. 2014;7(4):359-69.	RCT 60 Patients 5 years	NanoTite [®] External Hex: 7.0 mm	Short: 60 Aug: 61	Short = 91.7 Aug = 95.1
20467635	Cannizzaro G, Leone M, Torchio C, Viola P, Esposito M. Immediate versus early loading of 7-mm-long flapless-placed single implants: a split-mouth randomized controlled clinical trial. Eur J Oral Implantol. 2008;1(4):277-92.	RCT 30 Patients 4 years	NanoTite External Hex: 7.0 mm	IMM: 29 Early: 31	IMM = 96.6 Early = 96.8
26669547	Felice P, Pistilli R, Barausse C, et al. Short implants as an alternative to crestal sinus lift: A 1-year multicentre randomised controlled trial. Eur J Oral Implantol. 2015;8(4):375-84.	RCT 20 Patients 1 year	T3-Surfaced Biomax Implants: 5.0 and 6.0 mm	Short: 16 Long: 18	Short = 100 Long = 100
25738177	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;8(1):27-36.	RCT 30 Patients 1 year	T3-Surfaced Biomax Implants: 5.0 and 6.0 mm	Short: 152 Long: 151	Short = 98.7 Long = 99.3
26804969	Lemos CA, Ferro-Alves ML, Okamoto R, Mendonça MR, Pellizzer EP. Short dental implants versus standard dental implants placed in the posterior jaws: A systematic review and meta-analysis. J Dent. 2016; 47:8-17.	META-ANALYSIS 13 clinical studies 0.3 to 12 years	AstraTech, Biomet 3i, Conexao, Global, MegaGen, Southern, Straumann, Zimmer: 4 to 7 mm , 8 mm	Short: 981 Total: 2,631	Short = 96.13 Stand = 97.28 [diff CI: 0.82-2.22]
25216134	Lee SA, Lee CT, Fu MM, Elmisalati W, Chuang SK. Systematic review and meta-analysis of randomized controlled trials for the management of limited vertical height in the posterior region: short implants (5 to 8 mm) vs longer implants (> 8 mm) in vertically augmented sites. Int J Oral Maxillofac Implants. 2014;29(5):1085-97.	META-ANALYSIS 4 RCTs 5 year	AstraTech, Biomet 3i, MegaGen, Zimmer: 5 to 8 mm	Short: 265 Total: 539	Short = 93.6 [CI: 89.8 - 97.5] Longer = 90.3 [CI: 85.2 - 95.4]
25997901	Thoma DS, Zeltner M, Hüsler J, Hämmerle CH, Jung RE. Short implants versus sinus lifting with longer implants to restore the posterior maxilla: a systematic review. Clin Oral Implants Res. 2015 Sep;26 Suppl 11:154-69.	POOLED ANALYSIS 8 RCTs 8 to 18 months	AstraTech, MegaGen, Southern: 5 and 6 mm	Short: 306 Total: 634	Short = 99.0 [CI: 96.4-99.8] Longer = 99.5 [CI: 97.6-99.9]
23189293	Srinivasan M, Vazquez L, Rieder P, Moraguez O, Bernard JP, Belser UC. Efficacy and predictability of short dental implants (<8 mm): a critical appraisal of the recent literature. Int J Oral Maxillofac Implants. 2012;27(6):1429-37.	DESCRIPTIVE ANALYSIS 17 clinical studies 0.4 to 9 years	AstraTech, Bicon, Biomet 3i, BTI, Endopore, MegaGen, Nobel, Straumann: 4 to 7.5 mm	Short: 1,828	Short = 97.53 Range: 92.2-100

T3[®] Short Implants

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Your progress. Our promise.™

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The T3 Short Implant's length and features provide an implant treatment option in those cases where vertical bone height is insufficient for a traditional length (>6 mm) implant.

- **T3 Surface**

Blasted and acid-etched implant surface with an average roughness of 1.4 μm along the full length of the implant.¹

- **Implant/Abutment Clamping Force**

Use of the Gold-Tite[®] Screw increases the implant/abutment clamping force by 83% vs. a non-coated screw.^{2*} Manual platform switching is recommended.**

- **Initial Bone-to-Implant Contact (IBIC)**

The dimensions of the surgical instrumentation and the T3 Short Implant provide a tight implant-to-osteotomy fit, which can assist with primary stability.³

- **Compact Surgical Kit And Instrumentation**

Designed to specifically support site preparation and placement of T3 Short Implants.

¹ Gubbi P[†], Towse R[†]. Quantitative and Qualitative Characterization of Various Dental Implant Surfaces. Poster Presentation: European Association for Osseointegration, 21st Annual Meeting; October 2012; Copenhagen, Denmark. To view the poster, please visit www.biomet3i.com/Pdf/Posters/Poster_421_EAO_Final.pdf

² Suttin Z[†], Towse R[†]. Effect of Abutment Screw Design on the Seal Performance of an External Hex Implant System. Presented at the European Association for Osseointegration, 22nd Annual Scientific Meeting; October 2013; Dublin, Ireland. http://biomet3i.com/Pdf/Posters/P-450_Effect_of_Screw_Design_on_Implant_Seal.pdf

³ Meltzer AM[‡]. Primary stability and initial bone-to-implant contact: The effects on immediate placement and restoration of dental implants. *J Implant Reconstr Dent.* 2009;1(1):35-41.

[†] The authors conducted this research while employed at Biomet 3i.

[‡] Dr. Meltzer has a financial relationship with Zimmer Biomet Dental, resulting from speaking engagements, consulting engagements and other retained services.

* Bench test results are not necessarily indicative of clinical performance.

** Placement of a smaller diameter restorative component than the diameter of the implant seating surface.

