

Cresco™ – Perfect fit every time

Cresco™ Precision Method is a restorative solution for screw-retained prosthetic restorations. Cresco ensures a passive fit between the final prosthetic restoration and the implants¹⁻⁴. A Cresco bridge can be produced using different framework materials, and can be used on different implant systems⁵. The precision method makes it possible to avoid the use of angulated abutments (e.g. when implants have been placed in a non-parallel manner, proclined/inclined positions)⁴. Mechanical tests report that any mechanical fracture is not to be expected⁶. The publications reporting on the clinical use of the Cresco system cover detailed descriptions of the prosthetic technique, evaluation of the use of the Cresco system directly on implant level, and situations when an angulated abutment would have been required⁷. Also emphasized in the literature is the versatility in function with different implant systems and different casting materials. Clinical follow-up data, from 12 months up to more than 5 years of functional use of the Cresco system is presented and shows good results in terms of few mechanical complications, maintained bone and soft tissue health⁸⁻¹³.

References

Reprints can be ordered from references marked with Ref. No.

To read more Scientific Reviews please see: www.astratechdental.com

1. Calderini A, Maiorana C, Garlini G, Abbondanza T. A simplified method to assess precision of fit between framework and supporting implants: a preliminary study. *Int J Oral Maxillofac Implants* 2007;22(5):831-8 [Abstract in PubMed](#)
2. Helldén LB, Derand T. Description and evaluation of a simplified method to achieve passive fit between cast titanium frameworks and implants. *Int J Oral Maxillofac Implants* 1998;13(2):190-6 [Abstract in PubMed](#)
3. Helldén LB, Derand T, Johansson S, Lindberg A. The CrescoTi Precision method: description of a simplified method to fabricate titanium superstructures with passive fit to osseointegrated implants. *J Prosthet Dent* 1999;82(4):487-91 [Abstract in PubMed](#)
4. Helldén LB, Ericson G, Olsson CO. The Cresco Bridge and implant concept: presentation of a technology for fabrication of abutment-free, passively fitting superstructures. *Int J Periodontics Rest Dent* 2005;25(1):89-94 [Abstract in PubMed](#)
5. Hjalmarsson L, Smedberg JI. A 3-year retrospective study of Cresco frameworks: preload and complications. *Clin Impl Dent Rel Res* 2005;7(4):189-99 [Abstract in PubMed](#)
6. Uysal H, Kurtoglu C, Gurbuz R, Tutuncu N. Structure and mechanical properties of Cresco-Ti laser-welded joints and stress analyses using finite element models of fixed distal extension and fixed partial prosthetic designs. *J Prosthet Dent* 2005;93(3):235-44 [Abstract in PubMed](#)
7. Calderini A, Andreoni D, Abbondanza T. Prosthetic rehabilitation in advanced osseointegration: clinical aspects and passivation. In: Santoro F, Maiorana C, editors. *Advanced osseointegration*: RC Libri srl; 2005.
8. Hedkvist L, Mattsson T, Hellden LB. Clinical performance of a method for the fabrication of implant-supported precisely fitting titanium frameworks: a retrospective 5- to 8-year clinical follow-up study. *Clin Impl Dent Rel Res* 2004;6(3):174-80 (ID No. 78726). [Abstract in PubMed](#)
9. Helldén L, Ericson G, Elliot A, Fornell J, Holmgren K, Nilner K, et al. A prospective 5-year multicenter study of the Cresco implantology concept. *Int J Prosthodont* 2003;16(5):554-62 (ID No. 78728). [Abstract in PubMed](#)
10. Nordin T, Graf J, Frykholm A, Hellden L. Early functional loading of sand-blasted and acid-etched (SLA) Straumann implants following immediate placement in maxillary extraction sockets. Clinical and radiographic result. *Clin Oral Implants Res* 2007;18(4):441-51 [Abstract in PubMed](#)
11. 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).

Scientific Review

Documentation on Cresco™

79066-USX

Date of issue: May 2008

Page: 3/3

12. Testori T, Del Fabbro M, Capelli M, Zuffetti F, Francetti L, Weinstein RL. Immediate occlusal loading and tilted implants for the rehabilitation of the atrophic edentulous maxilla: 1-year interim results of a multicenter prospective study. Clin Oral Implants Res 2008;19(3):227-32 [Abstract in PubMed](#)

13. Thor A. Reconstruction of the anterior maxilla with platelet gel, autogenous bone, and titanium mesh: a case report. Clin Impl Dent Rel Res 2002;4(3):150-5 [Abstract in PubMed](#)

