

Astra Tech presents new OsseoSpeed™ data from the global clinical research program at the World Congress

Mölndal, Sweden, May 12, 2012 – During the Astra Tech World Congress, held in Gothenburg, Sweden, May 9-12, Astra Tech presents new data from their global clinical research program, confirming yet again the benefits of the Astra Tech Implant System™.

“We are very proud to present continuous positive data from our global clinical research program at the Astra Tech World Congress. For us it is of utmost importance that clinicians feel confident when using our implant system to care for their patients. Ninety percent of all dental implant systems available today have no clinical documentation.” says AnnaKarin Lundgren, Head of Global Scientific Management.

Five-year clinical evidence for early loading of OsseoSpeed™ implants

In a recently published prospective study by H. Schliephake et al.¹, the 5-year clinical outcome from 44 patients treated with 123 implants placed in the posterior mandible and early loaded, was presented. The study focused on clinical efficacy; hence, survival rate, implant stability and marginal bone level change were evaluated. All implants survived the whole study period giving a 100% implant survival rate. Implant stability, by means of ISQ values, increased during the first year and the marginal bone level change was minimal ending in a total mean change from implant placement to 5-year of -0.08 mm. The authors concluded that implants with the fluoride-modified OsseoSpeed™ surface provide auspicious results for the early loading protocol in the posterior mandible.

Evaluation of OsseoSpeed™ 3 mm narrow implant

A prospective multicenter study by P. King et al.², included 69 patients, together treated with a total of 97 implants. The OsseoSpeed™ narrow implants were replacing a single tooth in the anterior region and the study was designed to evaluate clinical performance using one stage surgery with an early loading protocol. Two-year follow up indicates that treatment with OsseoSpeed™ TX 3.0 implants is a safe and predictable treatment option in the anterior region when interdental space is limited. Soft tissue and marginal bone levels were well preserved.

Marginal bone support around OsseoSpeed™ Profile implants

In a prospective multicenter study by R. Nölken et al.³, 65 patients with a need of single tooth replacements were included. The aim of the study was to clinically and radiographically evaluate the position of lingual, buccal and interproximal marginal bone support after placing and restoring a single OsseoSpeed™ Profile implant in sloped healed ridges. After 1 year, the results revealed small marginal bone level alterations indicating that the OsseoSpeed™ Profile implant is a predictable treatment option where the alveolar crest anatomy is sloped in a lingual to buccal direction.

Astra Tech Dental products – supported by more than 600 publications

Astra Tech Dental has reached an important milestone: the product portfolio is now supported by more than 600 articles, published in renowned, peer-reviewed, scientific journals.

The articles are written by scientists and clinicians from all over the world, and have been scrutinized by independent editorial review board members before being accepted for publication. With this clinical evidence, clinicians can expect predictable and excellent treatment outcome when using Astra Tech Implant System™.

References:

- ¹ Schliephake H, Rodiger M, Phillips K, McGlumphy EA, Chacon GE, Larsen P. Early loading of surface modified implants in the posterior mandible - 5 year results of an open prospective non-controlled study. *J Clin Periodontol* 2012;39 (2):188-95. [Abstract in PubMed](#)
- ² King P, Galindo-Moreno P, Maiorana C, Schramm A, Øland J, Nilsson P. Clinical and radiographic evaluation of early loaded narrow diameter implant – a 2-year follow-up. *Astra Tech World Congress Gothenburg, Sweden, May 9-12, 2012.*
- ³ Nölkens R, Donati M, Fiorellini J, Gellrich N-C, Parker W, Berglundh T. Marginal bone support at OsseoSpeed™ Profile implants. *Astra Tech World Congress Gothenburg, Sweden, May 9-12, 2012.*

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About Astra Tech

Astra Tech AB is a global leader in dental, surgical and urological products, services and support. Since September 1, 2011, the company is a part of DENTSPLY International, Inc., a global leader in professional dental products. Astra Tech has continually developed market-leading solutions to meet health care needs based on user and medical community input since 1948. Ongoing research and development is aimed at finding new ways to support caregivers and improve quality of life for patients worldwide.

Astra Tech headquarters is located in Mölndal, Sweden, with production facilities in Sweden and North America. The company is represented globally by 16 subsidiaries and selected local distribution partners. Astra Tech has 2,200 employees worldwide and the revenue in 2011 was SEK 3.9 billion. The company invests five percent of its revenues annually in research.

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