

# Astra Tech Implant System® – Clinical documentation\*

## Well documented, consistently reliable and safe

- More than 9,000 patients followed prospectively up to 16 years
- >98% implant survival rate at 5 years of follow-up
- ~ 0.3 mm bone loss at 5 years of follow-up

## Four implant design features behind the clinical success

Since 1991, Astra Tech Implant System is based on 4 key features\*\*:

- Moderately rough surface, e.g. OsseoSpeed since 2004 with 10 years of documented clinical follow-up
- Conical implant-abutment connection, Conical Seal Design
- MicroThread on the implant neck
- Unique Connective Contour, i.e. horizontal offset

Portfolio of implant designs range from short (6 mm)<sup>1-14</sup>, narrow (Ø3.0 mm)<sup>15-20</sup> and sloped implant neck contour (Profile)<sup>21-24</sup> to OsseoSpeed EV<sup>25, 26</sup>, all being well documented in the scientific community.

	<5 years	5-9 years	>10 years
Single tooth	5, 7, 9, 13-17, 21, 22, 25-46	47-49	
Fixed prosthesis	1, 3, 8, 10, 11, 50-63	64-68	69-76
Overdenture	4, 77-83	84-86	87, 88
Esthetic focus	18, 23, 24, 89-102	92	
Surgical focus	6, 103-125	118, 126, 127	
Peri-implantitis focus	128-130		131
Patients evaluation	2, 12, 132-143	144	

Astra Tech Implant System literature sorted per primary indication and scientific focus, and length of prospective follow-up period.

## Conclusion

Extensive literature shows safe, consistent and predictable results for Astra Tech Implant System in terms of high implant survival rate and well maintained marginal bone.

\* This Scientific Review on Astra Tech Implant System only cites articles based on prospective studies where ≥5 patients have been followed for ≥1 year with OsseoSpeed implants or ≥5 patients have been followed for >5 year with TiOblast implants

\*\* For literature about the specific key features of Astra Tech Implant System, please see [www.dentsplysirona.com/implants/science](http://www.dentsplysirona.com/implants/science)

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Dentsply Sirona Implants offers comprehensive solutions for all phases of implant therapy, including Ankylos®, Astra Tech Implant System® and Xive® implant lines, digital technologies, such as Atlantis® patient-specific solutions and Simplant® guided surgery, Symbios® regenerative solutions, and professional and business development programs, such as STEPPS™. Dentsply Sirona Implants creates value for dental professionals and allows for predictable and lasting implant treatment outcomes, resulting in enhanced quality of life for patients.

### About Dentsply Sirona

Dentsply Sirona is the world's largest manufacturer of professional dental products and technologies, with a 130-year history of innovation and service to the dental industry and patients worldwide. Dentsply Sirona develops, manufactures, and markets a comprehensive solutions offering including dental and oral health products as well as other consumable medical devices under a strong portfolio of world class brands. As The Dental Solutions Company™, Dentsply Sirona's products provide innovative, high-quality and effective solutions to advance patient care and deliver better, safer and faster dentistry. Dentsply Sirona's global headquarters is located in York, Pennsylvania, and the international headquarters is based in Salzburg, Austria. The company's shares are listed in the United States on NASDAQ under the symbol XRAY.

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