

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)¹⁻¹⁴, narrow (Ø3.0 mm)¹⁵⁻²⁰ and sloped implant neck contour (Profile)²¹⁻²⁴ to OsseoSpeed EV^{25, 26}, 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

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