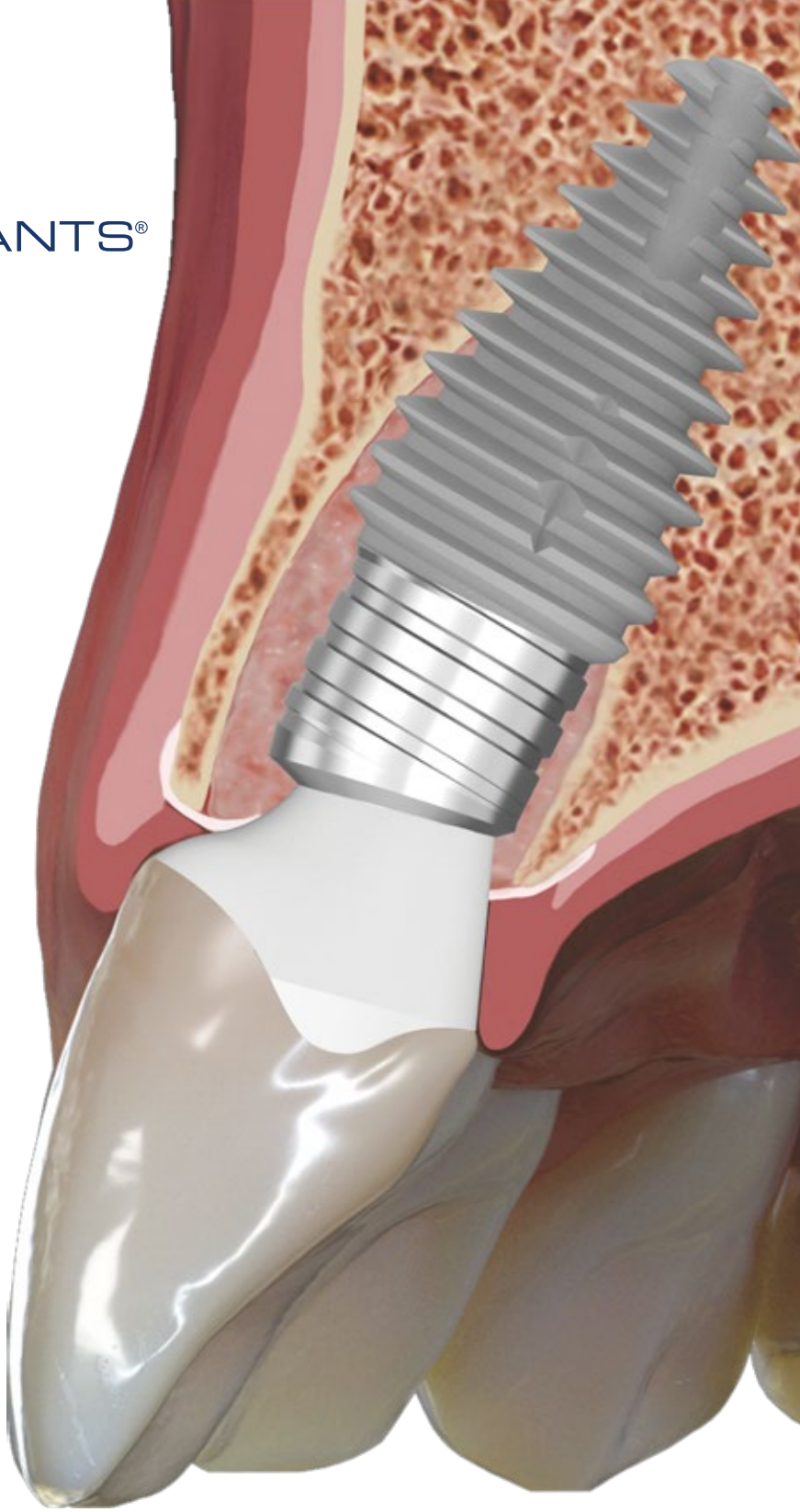
SOUTHERNIMPLANTS®
Innovative Treatment Solutions

MSC INVERTA®

Expanding trusted solutions



INVERTA® Implant Clinical Data

For over 7 years, the INVERTA® implant from Southern Implants has been a trusted solution in dental implantology, demonstrating exceptional performance and reliability. Backed by extensive research and clinical studies, INVERTA®'s success is well-documented, making it a preferred choice for dental professionals seeking proven results.

19

Publications on the INVERTA® since 2018

The consistent scholarly output indicates that the dental community remains actively engaged and recognises the INVERTA® implant as a topic of significant scientific relevance and importance.

12

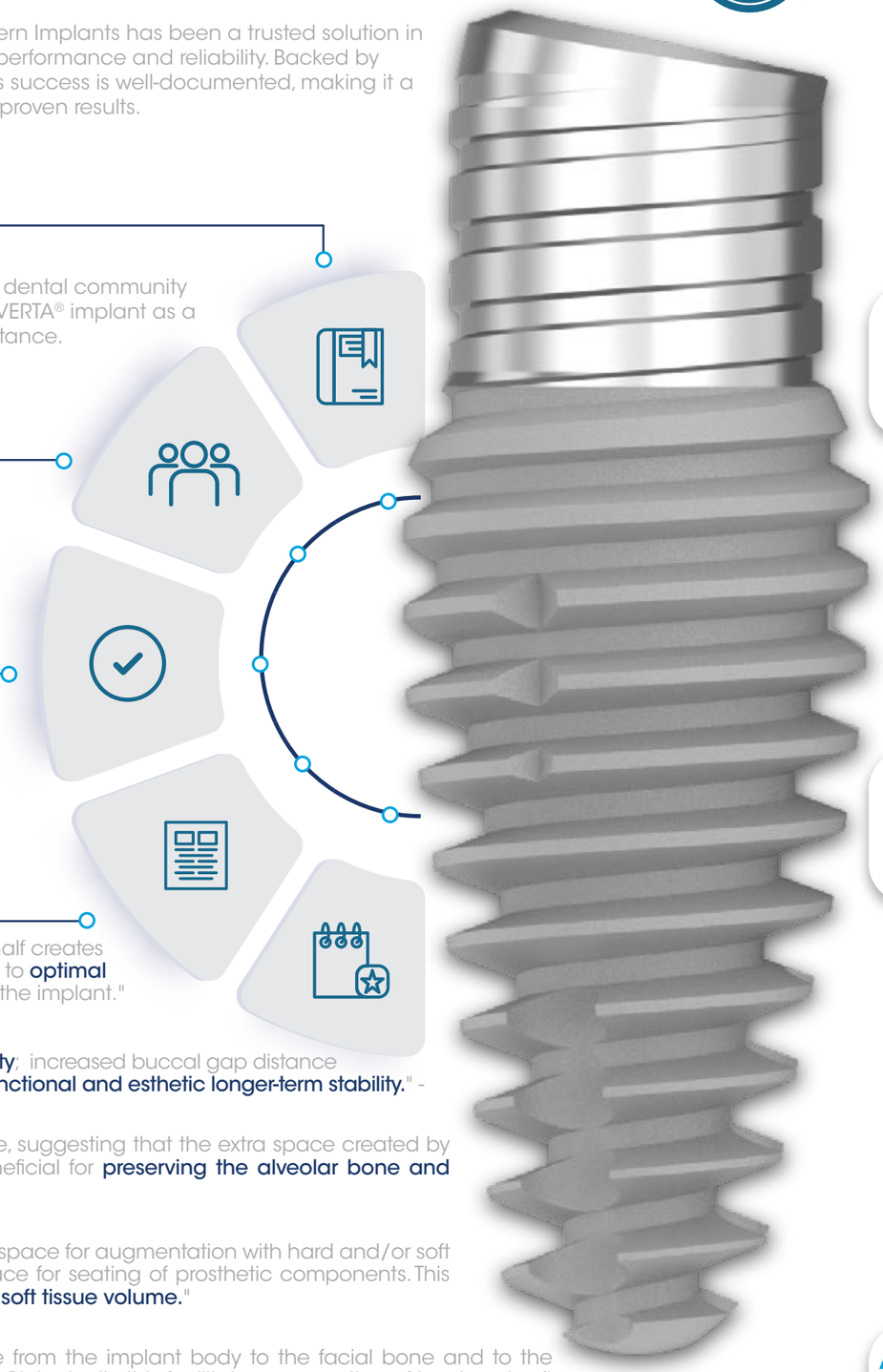
Studies reporting on clinical outcomes

Covering more than 330 implants in 290 patients.

100%

Success rate reported in 10 studies

All 10 studies reported a 100% success rate across more than 222 implants, with follow-up periods ranging from 1 to 5 years.



Extracts from articles on INVERTA®

"The reduced diameter of the cylindrical coronal half creates **more space for bone formation** which contributes to **optimal bone thickness and gingival architecture** around the implant."
2024 - Gluckman, H.; Pohl, S. and Chen, J.

"Engaging more bone for **increased primary stability**; increased buccal gap distance resulting in optimisation of **thick buccal plate for functional and esthetic longer-term stability.**" -
2023 - Song, Y.

"The superior aesthetic outcomes remained stable, suggesting that the extra space created by the narrow cervical portion of the implant is beneficial for **preserving the alveolar bone and limiting internal shield exposure.**"
2023 - Gluckman, H.; Pontes, C.C. and Chu, S.

"The narrower cylindrical coronal portion provides space for augmentation with hard and/or soft tissue grafting and the restoratively increased space for seating of prosthetic components. This allows for the **maximum preservation of hard and soft tissue volume.**"
2022 - Levin, B.P.; Saito,H.; Chu, S.; Rubin,J. and Chu, S.J.

"This design facilitates greater horizontal distance from the implant body to the facial bone and to the proximal surfaces of adjacent teeth and implants. Biologically, this facilitates preservation of hard and soft tissues, **allowing for augmentation and maintenance of esthetics.**"
2021 - Levin, B.P., Saito, H., Chu, S., Nevins, M. and Levin, J.P.

"A macro-hybrid implant design showed **high levels of primary stability and stable ridge contour** which may be a critical factor in providing **stable, long-term esthetic outcomes.**"
2021 - Chu, S.J.; Saito, H.; Levin, B.P.; Baumgarten, H.; Egbert,N.; Wills,M.J. ; del Castillo, R.A. and Tarnow, D.P.

For a full list of references visit: https://southernimplants.com/inverta-implants/

Timeline of INVERTA® Implant Development

1987 — Southern Implants is Founded
Mr. Blackbeard formed Southern Implants in RSA over 30 years ago.

1997 — Surface Enhancement Introduced
Sandblasted surface enhancement is introduced on all implants, evidence of successful osseointegration for over 25 years.

2003 — Introduction of Co-Axis® Implants
Transforming implantology by enabling angulation within the implant itself, eliminating the need for large angle-correcting compact conical abutments.

2016 — The INVERTA® Concept is Born
Dr. Chu and Mr. Blackbeard discuss how the benefits of the MAX implant can be integrated into a novel new implant design by combining a MAX and narrow implant to create the INVERTA®.

Meeting with Dr Phylippe Khayat regarding the MSC
Initial discussions begin to incorporate a hybrid implant surface, providing peace of mind in case of implant exposure in soft tissue.

Launch of MSC Surface
Providing a predictable treatment alternative compared to moderately rough implants.

2017 — Prototyping and Testing
Dr. Chu and Mr. Blackbeard discuss how the MAX implant benefits can be integrated into a novel implant by combining a wide and narrow macrodesign to create the INVERTA®.

2018 — Clinical Cohort Study Success
A 1-year clinical cohort study shows successful immediate anterior tooth replacement with high aesthetic results, an intact labial plate and ideal papillae preservation.

2019 — Release of the INVERTA® Implant Range
Launches worldwide, receiving positive feedback from early adopters and clinical users.

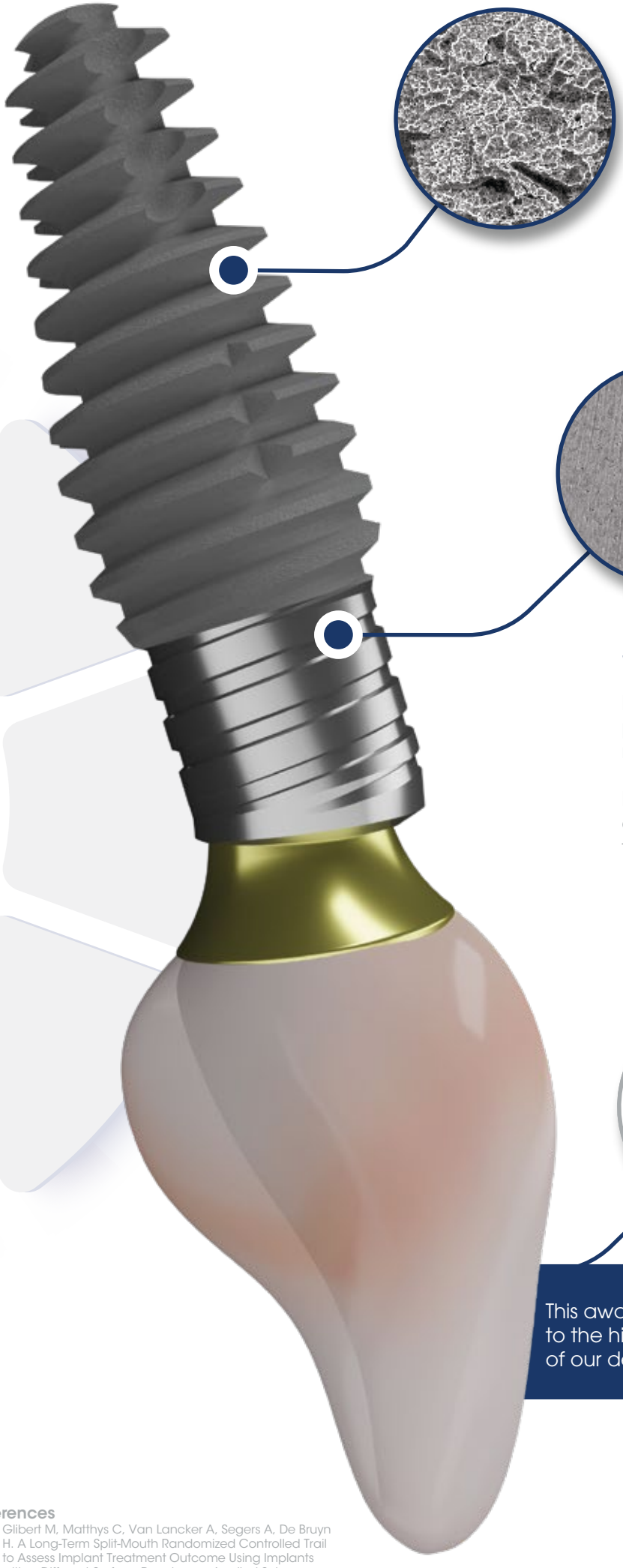
2023 — INVERTA® Awarded the Clean Implant Award
Recognition for the INVERTA® implant's exceptional cleanliness and quality.

Expansion of INVERTA® Range
Introduction of narrow and wider variations to expand INVERTA® indications for different regions of the mouth.

2024 — 19 Publications on INVERTA®
Since 2018, 19 publications covering more than 330 implants in 290 patients highlight the extensive research and clinical success of the INVERTA® implant.

Addition of the TOP Abutment to INVERTA®
Enhanced with the TOP abutment, improving prosthetic flexibility and patient outcomes.

Hybrid MSC Surface incorporated into INVERTA®
Combining the benefits of the body shift design of INVERTA® and the MSC hybrid surface.



SInergy surface

With over 25 years of clinical results.

3 mm MSC section

Machined Surface Coronally implants offer a predictable treatment alternative compared to moderately rough implants.[1]

MSC implants provide peace of mind to both clinicians and patients, knowing it's resilience if there is exposure to soft tissue.

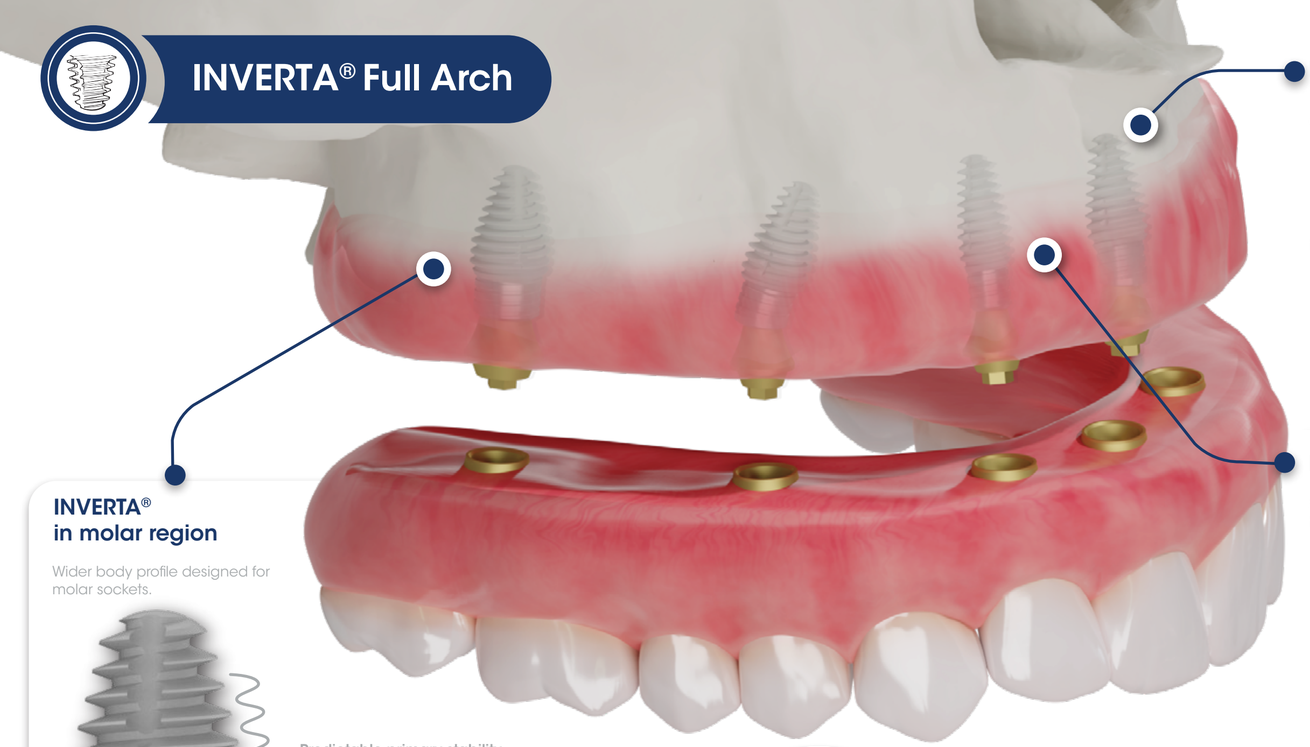
TRUSTED QUALITY 2023-2025
CLEAN IMPLANT
Southern Implants • Inverta

This award confirms Southern's adherence to the highest quality level in the production of our dental implant ranges.

References

1. Glibert M, Matthys C, Van Lancker A, Segers A, De Bruyn H. A Long-Term Split-Mouth Randomized Controlled Trail to Assess Implant Treatment Outcome Using Implants with a Different Surface Roughness. Applied Sciences. 2024; 14(4):1658

INVERTA® Full Arch



INVERTA® in anterior

Optimal primary stability in extraction sites
Due to the taper and thread design.

Preservation of crestal bone and enhanced biological width
Due to platform shifting which can result in better soft tissue aesthetics and improved long-term outcomes.

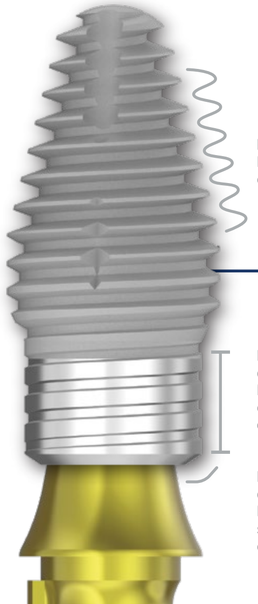
Narrow INVERTA®

Suitable for a variety of clinical scenarios, including those with limited inter-dental spacing, thin ridges or reduced bone volume.

Enhanced emergence profile provides a superior tissue seal, promoting healthier gingiva and better aesthetic outcomes.

INVERTA® in molar region

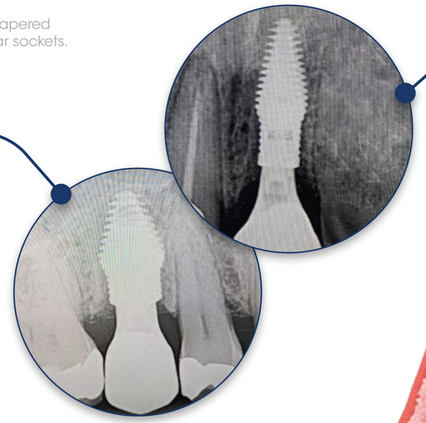
Wider body profile designed for molar sockets.



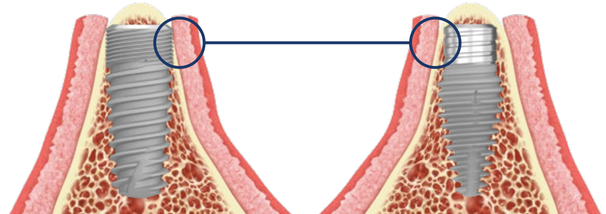
Predictable primary stability
Due to a wider body profile and tapered apical section to engage in molar sockets.

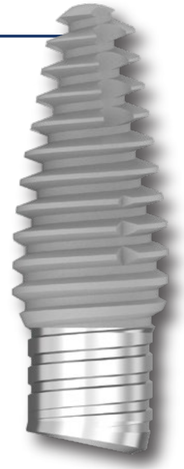
Maximum preservation of hard and soft tissue volume
Narrower coronal region to create space for bone encapsulation.

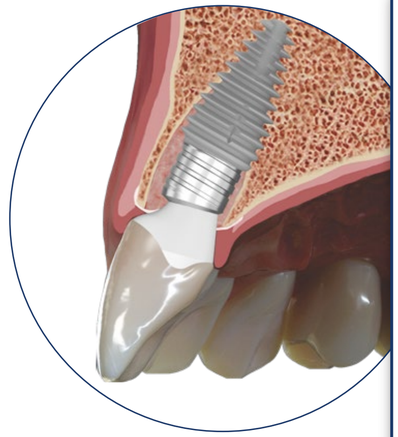
Ideal prosthetic emergence and stability
Due to the built in platform shift and wide implant to abutment interface.



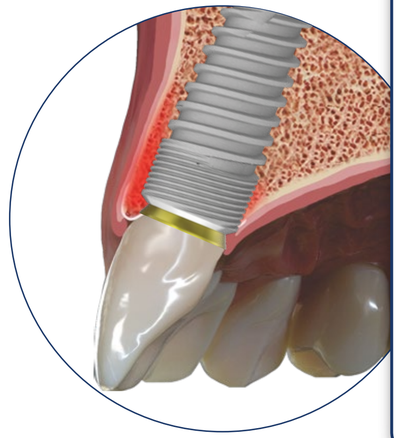
Increased bone preservation
The narrow diameter reduces the amount of bone removal required during placement, preserving more of the patient's natural bone.







Ideal aesthetic outcomes
The increased buccal gap distance and decreased pressure on the thin labial plate is beneficial for preserving the alveolar bone which biologically facilitates the preservation of hard and soft tissues.



TOP Abutment

THE PERFECT PAIR

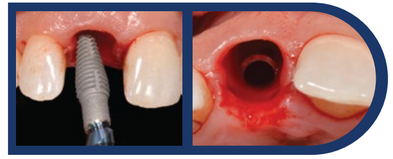
Save Time

A PEEK abutment solution for making simple and time-saving chairside provisionals with premanufactured emergence profiles for optimal tissue contouring.

Optimal Tissue Profile

Anatomically shaped to match the topographical shape of the tooth leading to ideal soft tissue management for anterior sites.

Soft tissue preservation at the time of tooth removal is paramount to the long-term success of the treatment.[2]



Images courtesy of Dr Chu

Available in 4 Variations

Central Lateral Canine Premolar

Also available in healing abutment variants.

References

2.Crespi, R., Toti, P., Covani, U., Crespi, G., Brevi, B.C. and Gli, M.F., 2023. Preformed customized healing abutments in biologically oriented preparation technique procedure: a 3-year retrospective case-control study. International Journal of Computerized Dentistry, pp.0-0.

Implant Range

Deep Conical INVERTA®

RANGE		CORONAL DIAMETER	MAXIMUM DIAMETER	PROSTHETICS	CONNECTION DIAMETER	THREAD PITCH	APEX DIAMETER	PLATFORM ANGLE	LENGTH (mm)				
									8	10	11.5	13	15
IV-DC30-37xx	Ø3.0 mm - Ø3.7 mm	3.0	3.75		2.3	0.6	2.6	0°	√	√	√	√	√
IVM-DC30-37xx	Ø3.0 mm - Ø3.7 mm	3.0	3.75		2.3	0.8	2.6	0°	√	√	√	√	√
IV-DC35-45xx	Ø3.5 mm - Ø4.5 mm	3.6	4.5		2.8	0.6	2.6	0°	√	√	√	√	√
IVM-DC35-45xx	Ø3.5 mm - Ø4.5 mm	3.6	4.5		2.8	0.8	2.6	0°	√	√	√	√	√
IV-DC40-50xx	Ø4.0 mm - Ø5.0 mm	4.0	5.0		2.8	0.6	2.6	0°	√	√	√	√	√
IVM-DC40-50xx	Ø4.0 mm - Ø5.0 mm	4.0	5.0		2.8	0.8	2.6	0°	√	√	√	√	√
IV-DC50-60xx	Ø5.0 mm - Ø6.0 mm	5.0	6.0		3.83	0.6	3.13	0°		√	√	√	√
IVM-DC50-60xx	Ø5.0 mm - Ø6.0 mm	5.0	6.0		3.83	0.8	3.13	0°		√	√	√	√
IV-DC3512D-45xx	Ø3.5 mm - Ø4.5 mm	3.6	4.5		2.8	0.6	2.6	12°			√	√	√
IVM-DC3512D-45xx	Ø3.5 mm - Ø4.5 mm	3.6	4.5		2.8	0.8	2.6	12°			√	√	√
IV-DC4012D-50xx	Ø4.0 mm - Ø5.0 mm	4.0	5.0		2.8	0.6	2.6	12°			√	√	√
IVM-DC4012D-50xx	Ø4.0 mm - Ø5.0 mm	4.0	5.0		2.8	0.8	2.6	12°			√	√	√
External Hex INVERTA®													
IV-EX30-37xx	Ø3.0 mm - Ø3.7 mm	3.0	3.75		3.0	0.6	2.6	0°		√	√	√	√
IVM-EX30-37xx	Ø3.0 mm - Ø3.7 mm	3.0	3.75		3.0	0.8	2.6	0°		√	√	√	√
IV-EX35-45xx	Ø3.5 mm - Ø4.5 mm	3.5	4.5		3.4	0.6	2.6	0°		√	√	√	√
IVM-EX35-45xx	Ø3.5 mm - Ø4.5 mm	3.5	4.5		3.4	0.8	2.6	0°		√	√	√	√
IV-EX40-50xx	Ø4.0 mm - Ø5.0 mm	4.07	5.0		3.4	0.6	2.6	0°		√	√	√	√
IVM-EX40-50xx	Ø4.0 mm - Ø5.0 mm	4.07	5.0		3.4	0.8	2.6	0°		√	√	√	√
IV-EX52-60xx	Ø5.2 mm - Ø6.0 mm	5.2	6.0		5.0	0.6	3.13	0°		√	√	√	√
IVM-EX52-60xx	Ø5.2 mm - Ø6.0 mm	5.2	6.0		5.0	0.8	3.13	0°		√	√	√	√
IV-EX3512D-45xx	Ø3.5 mm - Ø4.5 mm	3.5	4.5		3.4	0.6	2.6	12°			√	√	√
IVM-EX3512D-45xx	Ø3.5 mm - Ø4.5 mm	3.5	4.5		3.4	0.8	2.6	12°			√	√	√
IV-EX4012D-50xx	Ø4.0 mm - Ø5.0 mm	4.0	5.0		3.4	0.6	2.6	12°			√	√	√
IVM-EX4012D-50xx	Ø4.0 mm - Ø5.0 mm	4.0	5.0		3.4	0.8	2.6	12°			√	√	√
IV-EX5212D-60xx	Ø5.2 mm - Ø6.0 mm	5.2	6.0		5.0	0.6	3.13	12°			√	√	√
IVM-EX5212D-60xx	Ø5.2 mm - Ø6.0 mm	5.2	6.0		5.0	0.8	3.13	12°			√	√	√

NOTE: 'xx' refers to implant length.

SOUTHERNIMPLANTS®
Innovative Treatment Solutions

South Africa – Headquarters 1 Albert Road, Irene, RSA
T: +27-12-667-1046 | **E**: info@southernimplants.com

EC REP
Southern Implants Europe AB Holmgatan 30, S-791 71, Falun, Sweden
E: ecrep@southernimplants.com

Subsidiaries

Australia
Southern Implants Australia
T: +61-2-8076-9337
E: info@southernimplants.com.au

Spain and Portugal
Southern Implants Ibérica
T: +34 935 053 507
E: info@southernimplants.es

United Kingdom and Ireland
Southern Implants UK
T: +44-20-8899-6845 / 6 / 7
E: info@southernimplants.co.uk

USA and Canada
Southern Implants North America Inc.
T: +1-561-472-0990
E: customercare@southernimplants.com

Southern Implants® are distributed world-wide, please visit southernimplants.com for a list of Distributors.

For the latest and full assortment of Southern Implants® products, visit our current resources library at southernimplants.com.