

The Pterygoid Implant Range

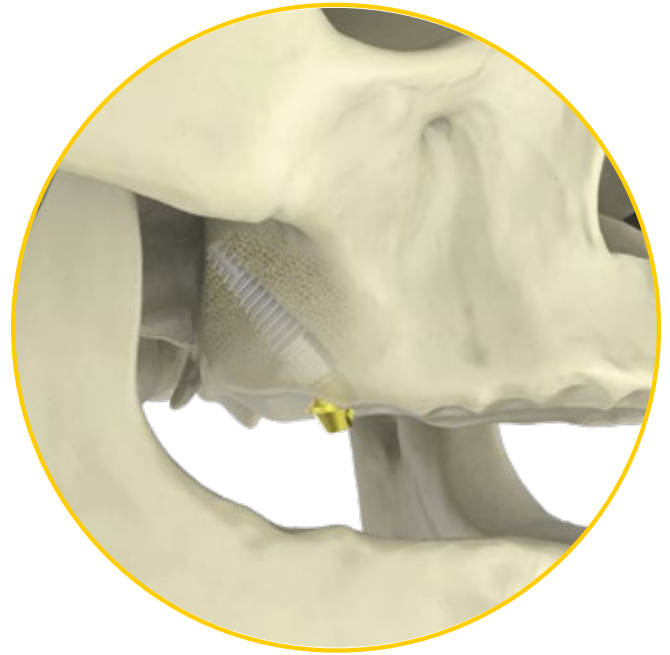


A solution for the atrophic maxilla by
achieving anchorage in the pterygoid



A new generation Pterygoid implants

In full arch cases, clinicians aim to maintain a large AP spread without compromising their primary stability. Southern's Pterygoid implant range adds another tool to the clinician's armamentarium to enable optimal clinical outcomes.



The Pterygoid Difference

Peri-implantitis prevention
MSC surface at the coronal end engineered to reduce bacterial adhesion.



Surgical versatility
Enabled by implant lengths ranging from 10 mm to 24 mm.



Optimised primary stability
Enabled by the self-tapping thread design and more aggressive thread pitch.



Restorative flexibility
Available in both DC and SP connections.



Soft tissue preservation
Enabled by the built-in platform shift design.



Stable initial insertion
Achieved through the narrow apex optimised for underprepared osteotomies.



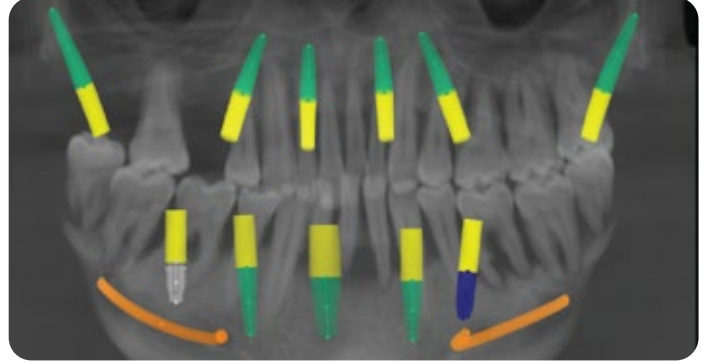
Utilising the Pterygoid implant in the pterygoid region to achieve an increased AP spread

Clinical Treatment By: **Dr Rudi Mukherjee** BDS PGCEdEd
(United Kingdom)

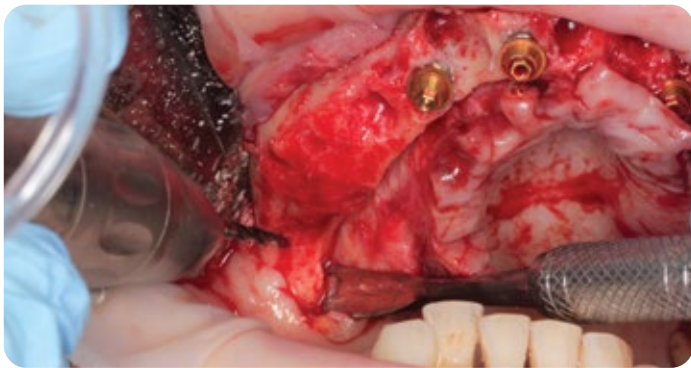
In full arch cases, clinicians aim to maintain a large AP spread without compromising their primary stability. Southern's Pterygoid implant adds another tool to the clinician's armamentarium to enable optimal clinical outcomes. Specialised design features increase the users' ability to attain high primary stability in soft bone sites, decreasing the need for bone grafting and sinus lifting. This allows clinicians to achieve better AP spread in cases of severe atrophy.



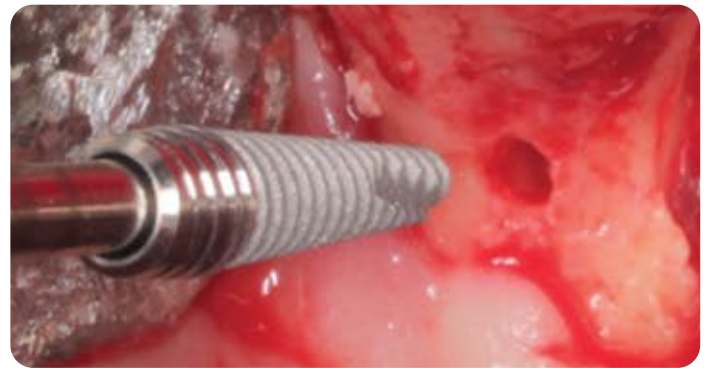
1. Patient presents with failing dentition requiring a full arch implant restoration. Preoperative planning indicates anatomical constraints suggesting the need for site specific implants.



2. A surgical plan is formed to utilise 6 implants in the maxilla and 5 implants in the mandible. To increase the AP spread, the DC pterygoid implant is utilised.



3. A 2 mm twist drill is used to prepare the osteotomy in the pterygoid region.



4. The Deep Conical Pterygoid implant is placed into the pterygoid region.



5. An angled compact conical abutment is placed for prosthetic angle correction.



6. Post-operative panoramic radiograph shows a wide AP spread and stability in a low density bone site enabling an immediate loading prosthesis to be fitted.

“The Pterygoid region is a unique anatomical area that requires a specially designed implant for predictable placement and optimal primary stability. My go-to is Southern's SP1 and DC Pterygoid range.”

Dr Costa Nicolopoulos
(Greece)

“I use these implants in the Pterygoid region 99% of the time when I require high primary stability in soft bone sites.”

Dr Rudi Mukherjee
(UK)


“Southern Implants' pterygoids are the perfect companion to Nazalus and Zygomatic atrophic maxillae treatment enabling great AP spread and enhanced biomechanics to obtain consistent long-term results.”

Drs Ferraris and Nicoli
(Italy)



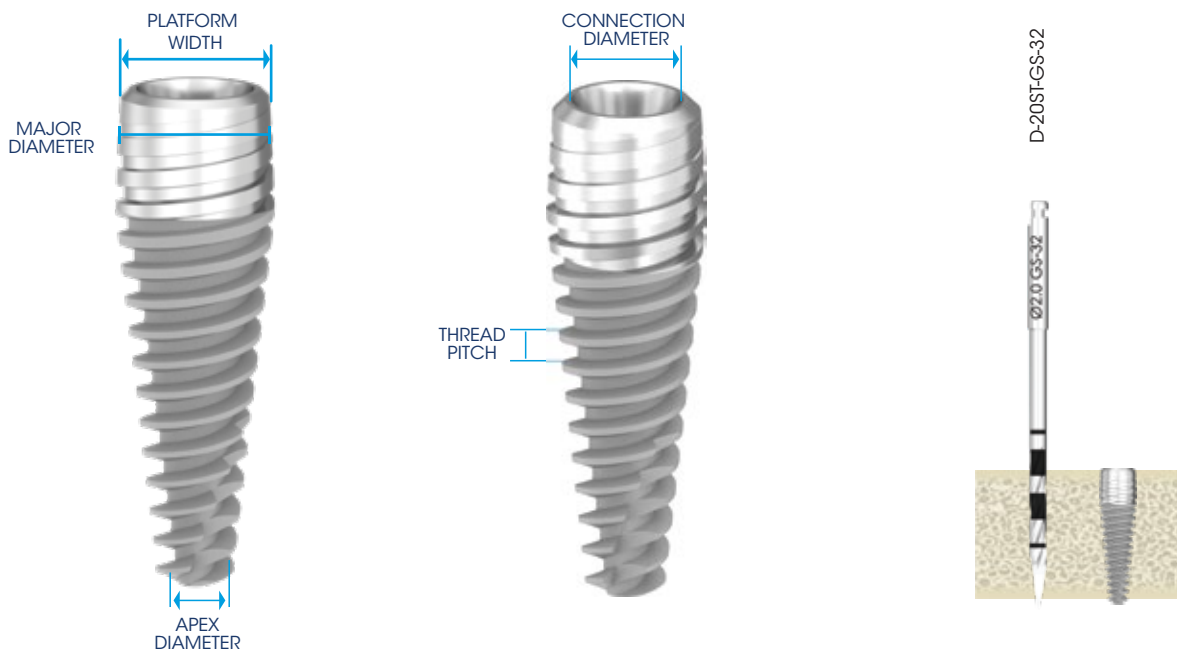
Implant Range

DEEP CONICAL (DC)

PRODUCT CODE	Major Diameter	Platform Width	Prosthetics	Connection Diameter	Thread Pitch	Apex Diameter	LENGTH (MM)							
							10	11.5	13	15	18	20	22	24
PT-DC40xx	4.0	3.7	 4.0	2.8	1.6	2.0	✓	✓	✓	✓	✓	✓	✓	✓

SINGLE PLATFORM (SP1)

PRODUCT CODE	Major Diameter	Platform Width	Prosthetics	Connection Diameter	Thread Pitch	Apex Diameter	LENGTH (MM)							
							10	11.5	13	15	18	20	22	24
PT-SP40xx	4.0	3.7	 2.95	2.95	1.6	2.0	✓	✓	✓	✓	✓	✓	✓	✓



References

1. Abboud, M., Rugova, S. and Orentlicher, G., 2020. Immediate Loading: Are Implant Surface and Thread Design More Important Than Osteotomy Preparation?. Compendium, 41(7).
2. Caricasulo, R., Malchiodi, L., Ghensi, P., Fantozi, G. and Cucchi, A., 2018. The influence of implant-abutment connection to peri-implant bone loss: A systematic review and meta-analysis. Clinical Implant Dentistry and Related, 20(4), pp.653-664.
3. Ackermann, K.L., Barth, T., Cacaci, C., Kistler, S., Schlee, M. and Stiller, M., 2020. Clinical and patient-reported outcome of implant restorations with internal conical connection in daily dental practices: prospective observational multicenter trial with up to 7-year follow-up. International journal of implant dentistry, 6(1), pp.1-9.

For more information scan the below



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