



SOUTHERNIMPLANTS®
Innovative Treatment Solutions

INTRODUCING



SIREAL

Guided Surgery System



The universal guided surgery tool

Welcome to SIREAL

INNOVATION AT ITS BEST



The universal guided surgery tool

ONE TOOL = ONE SOLUTION

4 VERSATILE OFFSET SLEEVES

9 mm, 10.5 mm, 12 mm and 14 mm to accommodate anatomical variation

UTILISE STANDARD SURGICAL KITS



Utilising the SIREAL System to achieve predictable and prosthetically driven results

Clinical Treatment By: **Dr Howard Gluckman**, PhD, MChD, BDS
(South Africa)

A patient with missing teeth at the 11 and 21 sites was treated by Dr. Howard Gluckman. Using CBCT imaging and intraoral scans, a customised surgical guide was developed and fitted. With the use of the SIREAL system, Dr Gluckman was able to utilise standard drills to prepare the osteotomy and place the implant with pre-planned positioning. Provisional restoration followed, with periapical imaging to verify implant alignment and depth as planned.



1. Patient presents with missing dentition in the 11 and 21 sites. Computer-assisted dental planning is performed, utilising CBCT imaging and intraoral scans, to create a patient specific surgical guide.



2. A surgical guide is fitted in-situ. During guide design procedures, windows are "cut-out" in the software, to confirm the seating of the surgical guide onto the patient's dentition.



3. SIREAL universal guided surgery tool (I-DE-GS4) is loaded with a pre-planned offset sleeve determined during the implant planning phase. Standard Southern Implants drills are used to prepare the osteotomy for implant placement.



4. The implants are placed fully guided through the surgical guide utilising the SIREAL universal guided surgery tool and placement tools (available for DC, TRI-NEX®, Internal Hex / M-series and PROVATA®).



5. A provisional restoration is made and a periapical is taken to verify implant depth and angulation as planned during the prosthetically driven planning phase.

“A 21st century guide system catering for tapered drills, Co-Axis® implants and integrating with existing surgical sets. SIREAL ticks these boxes.”

Graham Blackbeard
(CEO, Southern Implants)

“The SIREAL Guided Solution is simplistic, using standard surgical kits and planning software makes this system a must have.”

Dr Howard Gluckman
(South Africa)

“By far one of the fastest, simplest, intuitive and flexible systems I have used across a range of implant procedures and ease guided surgery.”

Dr Evan Jones
(Adelaide, Australia)

Universal Guided Surgery Tool

I-DE-GS4



OR-DC3



I-DE-GS5-10



Features a built-in standard offset of 10.5 mm, eliminating the need for offset sleeves.



For more information scan the code or contact your Southern Implants Representative or visit southernimplants.com

Ø5.1mm STANDARD

Offset Sleeves

- I-GSS05-9 Ø5.1 x 9 mm Offset Sleeve
- I-GSS05-10.5 Ø5.1 x 10.5 mm Offset Sleeve
- I-GSS05-12 Ø5.1 x 12 mm Offset Sleeve
- I-GSS05-14 Ø5.1 x 14 mm Offset Sleeve

Guided Sleeves

- I-GS-6252-L4 Ø6.2 (outer) / Ø5.2 (inner) LENGTH 4 mm Closed Guide Sleeve
- I-GS-6252-L9 Ø6.2 (outer) / Ø5.2 (inner) LENGTH 9 mm Closed Guide Sleeve
- I-GSC-6252-L4 Ø6.2 (outer) / Ø5.2 (inner) LENGTH 4 mm Open Guide Sleeve
- I-GSC-6252-L9 Ø6.2 (outer) / Ø5.2 (inner) LENGTH 9 mm Open Guide Sleeve

Tissue Cutters

- I-TC-GS4 Tissue Cutter Ø5.1 outer Ø4.1 inner
- I-TC-GS5 Tissue Cutter Ø5.1 outer Ø4.7 inner

Cortical Perforator

- D-GS-CP Cortical Perforator Ø5.1

Ø4.1mm NARROW

Offset Sleeves

- I-GSS04-9 Ø4.1 x 9 mm Offset Sleeve
- I-GSS04-10.5 Ø4.1 x 10.5 mm Offset Sleeve
- I-GSS04-12 Ø4.1 x 12 mm Offset Sleeve
- I-GSS04-14 Ø4.1 x 14 mm Offset Sleeve

Guided Sleeves

- I-GS-5142-L4 Ø5.1 (outer) / Ø4.2 (inner) LENGTH 4 mm Closed Guide Sleeve
- I-GS-5142-L9 Ø5.1 (outer) / Ø4.2 (inner) LENGTH 9 mm Closed Guide Sleeve
- I-GSC-5142-L4 Ø5.1 (outer) / Ø4.2 (inner) LENGTH 4 mm Open Guide Sleeve
- I-GSC-5142-L9 Ø5.1 (outer) / Ø4.2 (inner) LENGTH 9 mm Open Guide Sleeve

Tissue Cutter

- I-TC-GS3 Tissue Cutter Ø4.1 outer Ø3.5 inner

Cortical Perforator

- D-GS-CP4 Cortical Perforator Ø4.1



- D-3SPADE-1.8M Pilot drill Ø1.8 mm
- D-16-T Pilot drill - side cutting Ø1.6 mm
- D-20T-M10 Twist drill Ø2.0 mm x 10 mm

Drills

- D-20T-M15 Twist drill Ø2.0 mm x 15 mm
- D-DC20 Twist drill Ø2.0 mm x 15 mm
- D-220C Twist drill Ø2.0 mm x 15 mm



- D-12T-M15 Drill Ø1.2 x 15 mm

Guide Fixation Components

- I-D12T-GP Guide Fixation Pin
- I-GS-2513-L6 Guide Fixation Pin Sleeve

Instrument tray inserts (to keep the offset sleeves upright)

- I-GS-TP Offset Sleeve Tray Pin - Silicone

Fully Guided Implant Placement Tools

DC (Deep Conical)			Internal Hex (M-Series) and PROVATA®			TRI-NEX®		
I-HDC3-GS	Ø3.0 DC	Straight	I-H-PRO3-GS	Ø3.0 PROVATA®	Straight	I-HLH-35GS	Ø3.5 TRI-NEX®	Straight
I-HDC4-GS	Ø4.0 DC	Straight	I-H-PRO-GS		Straight	I-HLH-43GS	Ø4.3 TRI-NEX®	Straight
I-HDC5-GS	Ø5.0 DC	Straight	I-H-PRO12D-GS		Co-Axis®	I-HLH-50GS	Ø5.0 TRI-NEX®	Straight
For tapered implants only.			Internal Octagon (IT)			I-L43-12D-GS	Ø4.3 TRI-NEX®	Co-Axis®
			I-HITS-GS		Straight	I-L50-12D-GS	Ø5.0 TRI-NEX®	Co-Axis®



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