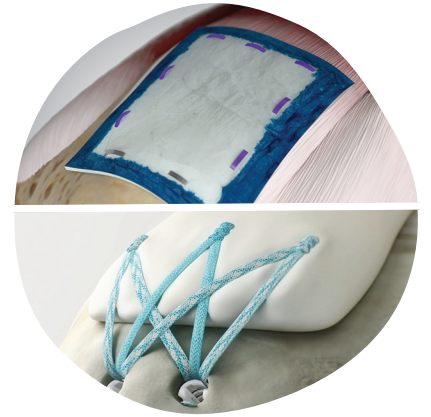
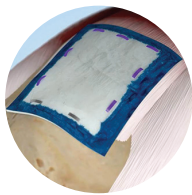


+ Advanced healing solutions

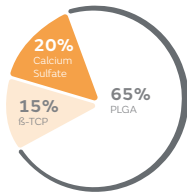


Redefining healing potential for rotator cuff repair

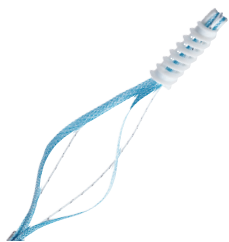
Smith+Nephew



REGENETEN
Bioinductive Implant



REGENESORB
Material



HEALICOIL
REGENESORB
Suture Anchor



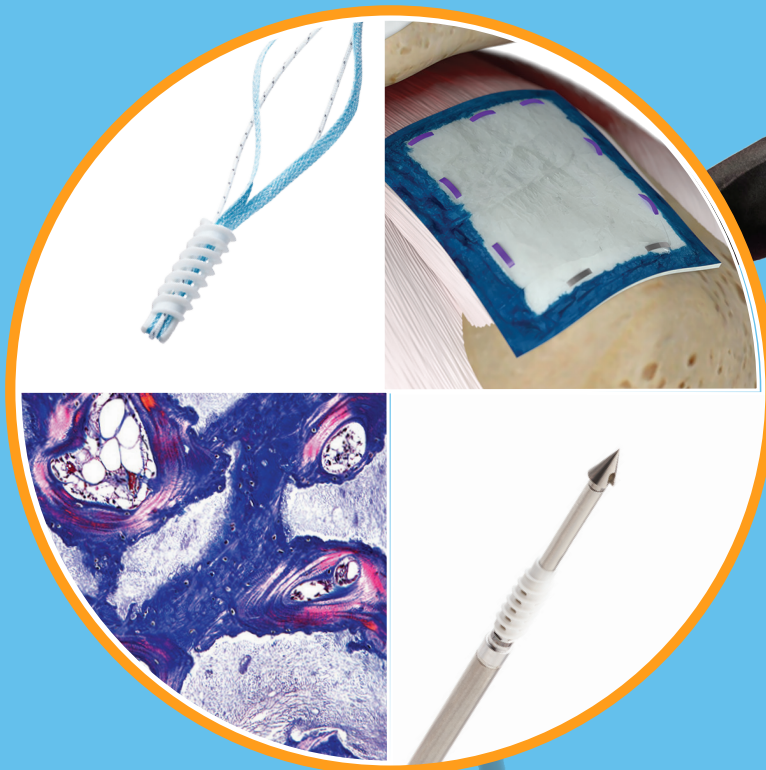
HEALICOIL
KNOTLESS
Suture Anchor



Powered by evidence.

HEALICOIL[®]
REGENESORB[®]
Suture Anchor

REGENESORB
Material



REGENETEN[®]
Bioinductive Implant

HEALICOIL
KNOTLESS
Suture Anchor



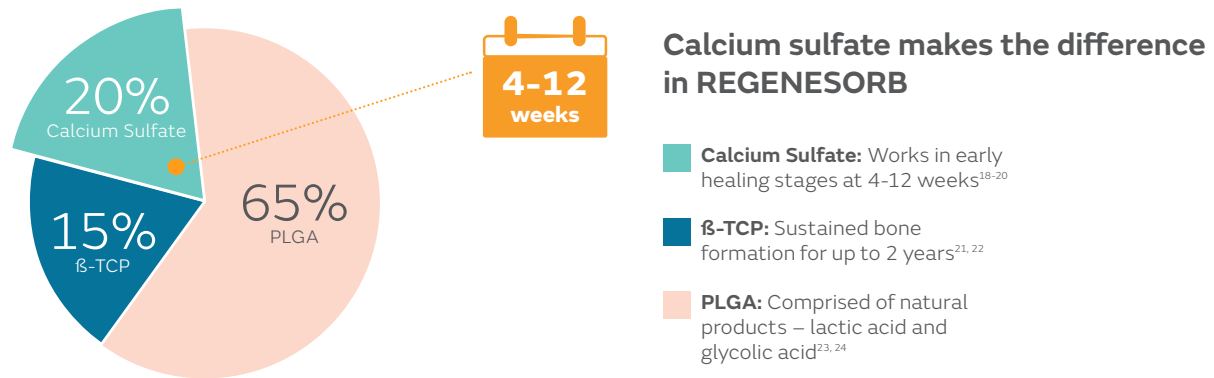


REGENESORB[®] Material

No other biocomposite can do this.
A unique formulation of proven materials.

Full absorption and bone replacement in 24 months.^{15-17 *}

REGENESORB material is designed to provide a jump start in bone healing and formation.



Absorption and bone replacement The timeline of implant

REGENESORB material is designed to remain mechanically stable for a minimum of six months** before being absorbed and replaced by bone within 24 months.^{15-17, 25, 26*}



* Demonstrated clinically and *in vivo*

** As demonstrated *in vivo*



“The difference for me with REGENESORB is its base is PLGA, which has different resorption characteristics and tends to resorb. On MRI follow-ups of patients, we noticed the material is actually changing to bone, and much earlier too – usually in less than two years – it’s a major advantage.”

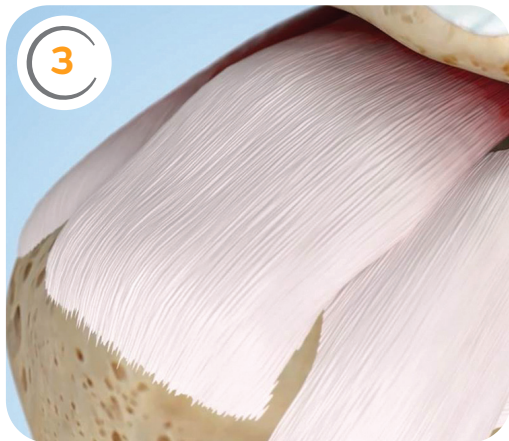
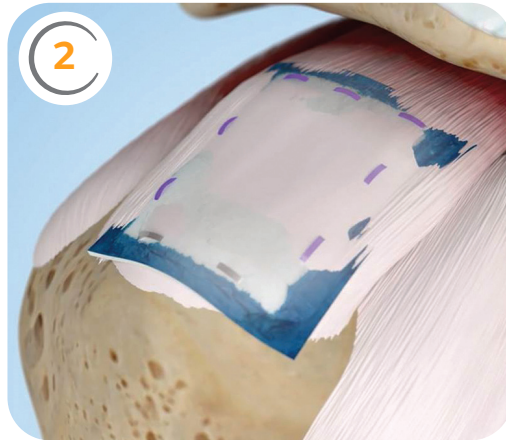
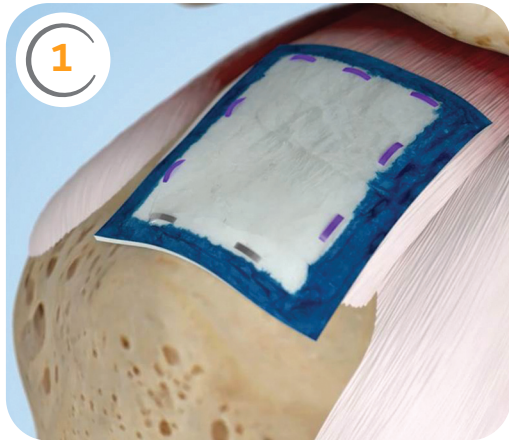
Ian Lo, MD FRCS(C) Assistant Professor,
University of Calgary



REGENETEN[®] Bioinductive Implant

Changing the course of rotator cuff disease

The REGENETEN Bioinductive Implant supports the body's natural healing response to facilitate new tendon-like tissue growth and disrupt disease progression.¹⁻⁵ Derived from highly purified bovine Achilles tendon, it creates an environment that is conducive to healing.¹⁻³



What it is + how it works

- Proprietary, highly porous implant design facilitates the formation of new tendon-like tissue.^{1,2}
- New tissue reduces the peak strain at the site of the tear.⁶
- Histology at 6 months show dense regularly tendon-like tissue at the site of implantation.^{3,7*}



“[REGENETEN is the] first regenerative pathway to stimulate angiogenesis and be restorative, not reparative. If you believe in biology, this is a big step.”

Felix H. “Buddy” Savoie III, MD
Chairman of Orthopaedic Surgery;
Chief of Sports Medicine
Tulane University School of Medicine
New Orleans, LA

* On human biopsy (n=1) and in-vivo sampling



HEALICOIL Suture Anchor

**Open-architecture.
Now open to even greater possibilities.**

The unique open-architecture design of HEALICOIL anchors reduces the amount of implanted material in the shoulder compared to traditional, solid-core anchors.

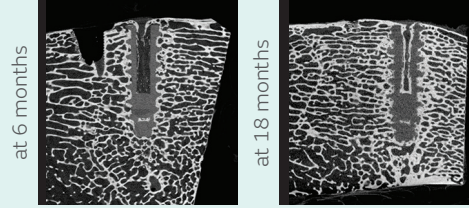
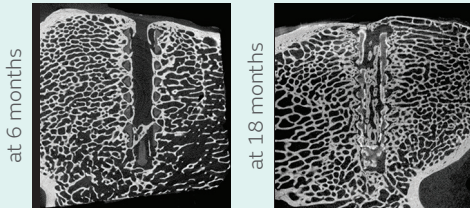


- May facilitate greater increase in rotator cuff thickness vs competitor⁸
- May provide a biologic healing advantage⁸

Faster, more complete bone infill than Arthrex's Biocomposite material.

HEALICOIL[®] REGENESORB[®]

Arthrex Biocomposite Corkscrew[®] FT



Comparisons of bone infill, measured via μ CT, at 6 and 18 months.⁹



“The real advantage of the [HEALICOIL] open architecture is that the stem cells from the bone marrow can reach the bone-tendon interface to promote healing where it is most needed.”

Jan Vonhoegen, MD
Specialist for Orthopaedics and Trauma Surgery



HEALICOIL[◇] KNOTLESS Suture Anchor

Least amount of suture displacement during cyclic loading vs competitors¹⁰

69%

less suture displacement than Arthrex BioComposite SwiveLock[®] 5.5mm Self-Punching (SP) after cyclic loading for 500 cycles*

94%

less suture displacement than Healix Advance[™] 5.5mm SP Biocomposite Anchor after cyclic loading for 500 cycles**

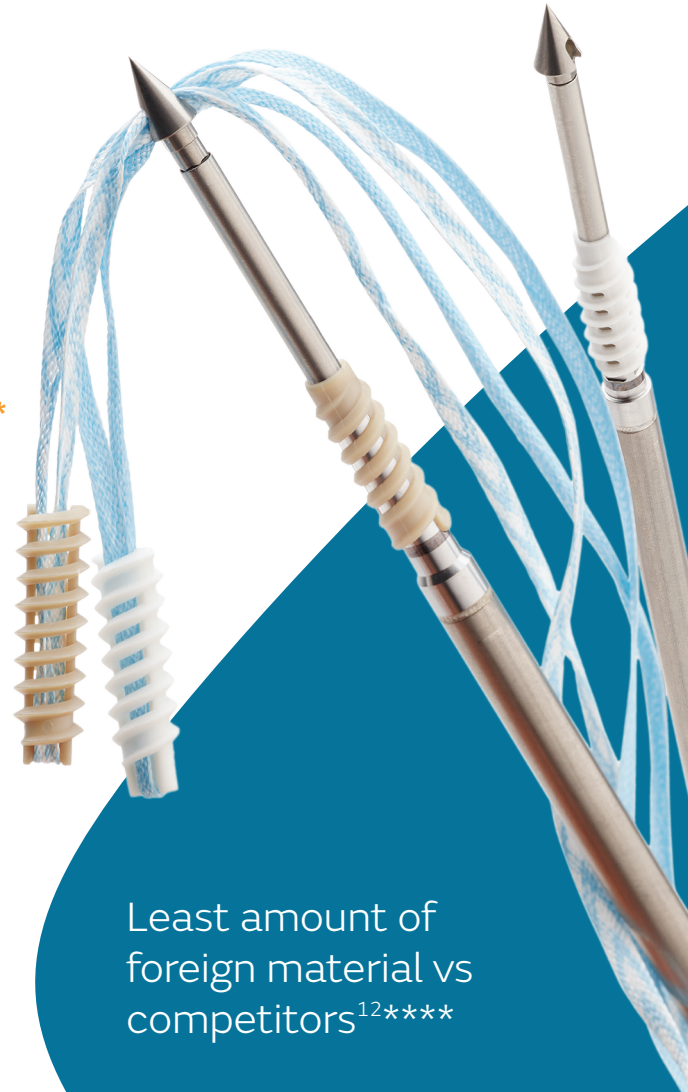
Proven internal locking mechanism¹¹

By descending a plug in the distal implant, the suture is securely locked in place providing an additional point of fixation.***



Most open architecture design vs competitors^{12****}

- Three times more open than Arthrex BioComposite SwiveLock[®] 4.75mm SP
- Four times more open than Arthrex BioComposite SwiveLock[®] 5.5mm SP
- May facilitate healing by allowing access of bone marrow and associated stem cells to the repair site^{8,13}
- Shown to facilitate better bone ingrowth than solid anchors^{13,14}



Least amount of foreign material vs competitors^{12****}

* As demonstrated in benchtop testing; p = 0.002

** As demonstrated in benchtop testing; p < 0.001; All Healix Advance 5.5 mm SP Biocomposite Anchors failed to complete the cyclic loading due to suture slipping within the anchor construct under the maximum cyclic load of 45 N

*** As demonstrated in benchtop testing

**** Compared to Arthrex, BioComposite SwiveLock 4.75mm SP, 5.5mm SP and Healix Advance 5.5 mm SP Biocomposite Anchor

Ordering information

REGENETEN® Implants

Reference #	Description
4565	Medium Bioinductive Implant with Arthroscopic Delivery (1)
4566	Large Bioinductive Implant with Arthroscopic Delivery (1)

REGENETEN Anchors

Reference #	Description
4403	Bone Anchors (3) with Advanced Delivery System
2504-1	Tendon Anchors (8)

REGENETEN Accessory Devices

Reference #	Description
4173-1	Tendon Marker (2)
4402	Tendon Stabilizing Guide (1)
2503-S	Bone Anchor (1)

ULTRATAPE® Suture Passing Instrumentation

Reference #	Description
72204385	ARTHRO-PIERCE® ULTRATAPE, 35° up

HEALICOIL® REGENESORB® Suture Anchors Pre-loaded with ULTRATAPE and ULTRABRAID®

Reference #	Description
72203705	HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture
72203697	HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobraid Blue) and one #2 ULTRABRAID Suture
72203708	HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture
72203801	HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE (Cobraid Blue) and one #2 ULTRABRAID Suture
72203704	HEALICOIL REGENESORB 4.75mm Suture Anchor with two #2 ULTRABRAID® sutures (Blue, Cobraid Blue)
72203706	HEALICOIL REGENESORB 5.5mm Suture Anchor with two #2 ULTRABRAID sutures (Blue, Cobraid Blue)
72203707	HEALICOIL REGENESORB 5.5mm Suture Anchor with three #2 ULTRABRAID sutures (Blue, Cobraid Blue, Cobraid Black)

HEALICOIL REGENESORB Accessory Devices

Reference #	Description
72203709	HEALICOIL REGENESORB 4.75mm Threaded Dilator, reusable
72203710	HEALICOIL REGENESORB 5.5mm Threaded Dilator, reusable
72203951	HEALICOIL REGENESORB 4.75mm Threaded Dilator, disposable
72203952	HEALICOIL REGENESORB 5.5mm Threaded Dilator, disposable

HEALICOIL PK Suture Anchor Pre-loaded with ULTRATAPE and ULTRABRAID

Reference #	Description
72203981	HEALICOIL PK 4.5mm Suture Anchor with one ULTRATAPE Suture (Blue)
72203982	HEALICOIL PK 4.5mm Suture Anchor with one ULTRATAPE Suture (Cobraid Blue)
72203983	HEALICOIL PK 5.5mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture
72203984	HEALICOIL PK 5.5mm Suture Anchor with one ULTRATAPE Suture (Cobraid Blue) and one #2 ULTRABRAID Suture
72203378	HEALICOIL PK 4.5mm Suture Anchor with two #2 ULTRABRAID Sutures (Blue, Cobraid Blue)
72203379	HEALICOIL PK 5.5mm Suture Anchor with two #2 ULTRABRAID Sutures (Blue, Cobraid Blue)
72203380	HEALICOIL PK 5.5mm Suture Anchor with three #2 ULTRABRAID Sutures (Blue, Cobraid Blue, Cobraid Black)

HEALICOIL PK Accessory Devices

Reference #	Description
72202621	3.8mm Tapered Awl, disposable
72201915	3.8mm Tapered Awl, reusable
72202633	4.5mm HEALICOIL/TWINFIX® ULTRA Threaded Dilator, reusable
72203634	5.5mm HEALICOIL/TWINFIX ULTRA Threaded Dilator, reusable

Ordering information (cont.)

HEALICOIL [®] Knotless Suture Anchors	
Reference #	Description
72205135	HEALICOIL Knotless REGENESORB [®] Suture Anchor, 5.5mm
72205136	HEALICOIL Knotless REGENESORB Suture Anchor, 5.5mm, Self-Tapping
72205137	HEALICOIL Knotless PK Suture Anchor, 5.0mm
72205138	HEALICOIL Knotless PK Suture Anchor, 5.0mm, Self-Tapping

HEALICOIL Knotless Suture Anchor Hole Prep	
Reference #	Description
72201915	Tapered Awl, 3.8mm, reusable
72202621	Tapered Awl, 3.8mm, disposable
72205308	HEALICOIL Knotless Spade Drill, 4.75mm, reusable
72203710	5.5mm Reusable Threaded Dilator
72203952	5.5mm Disposable Threaded Dilator

ULTRATAPE [®] Suture	
Reference #	Description
72203896	ULTRATAPE Suture (Blue, 6 per box)
72203897	ULTRATAPE Suture (Cobraid Blue, 6 per box)

Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Smith+Nephew representative or distributor if you have questions about the availability of Smith+Nephew products in your area.

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