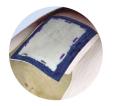
Advanced healing solutions

Redefining healing potential for rotator cuff repair

SmithNephew





- REGENETEN[◊] Bioinductive Implant
- REGENESORB[¢] Material



HEALICOIL^{\$} REGENESORB



HEALICOIL KNOTLESS Suture Anchor





Powered by evidence.

HEALICOIL° REGENESORB[°]



REGENESORB

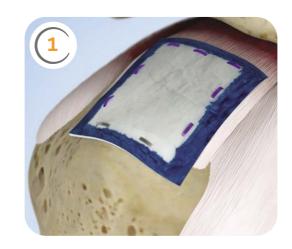


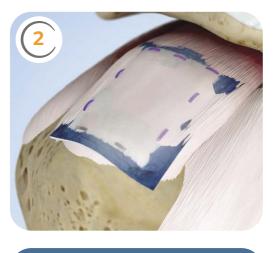
REGENETEN°



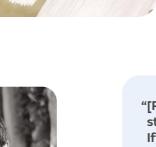
Changing the course of rotator cuff disease

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









Felix H. "Buddy" Savoie III, MD Chief of Sports Medicine New Orleans, LA



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

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."

Chairman of Orthopaedic Surgery; Tulane University School of Medicine

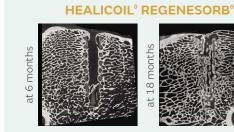
HEALICOIL Suture Anchor

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.







Arthrex Biocomposite Corkscrew[®] FT

Comparisons of bone infill, measured via µCT, 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*

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 competitors¹²****

- 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}

* 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



94%

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

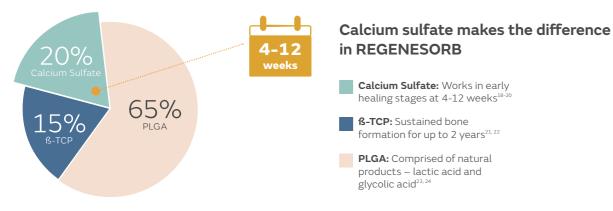
10301 THE 100

Least amount of foreign material vs competitors¹²****

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.**



Absorbtion 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."

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

Ordering information

Reference #	Description
	Medium Bioinductive Implant
72205306	with Arthroscopic Delivery (1)
72205307	Large Bioinductive Implant
	with Arthroscopic Delivery (1)
REGENETE	1 Anchors
Reference #	Description
72205205	Bone Anchors (3) with Arthroscopic Delivery System
72205201	Tendon Anchors (8)
REGENETE	N Accessory Devices
Reference #	Description
72205202	Tendon Marker (2)
72205206	Tendon Stabilizing Guide (1)
72205199	Bone Anchor (1)
FIRSTPASS	ST Suture Passer
Reference #	Description
22-4038	FIRSTPASS ST Suture Passer, Self Capture
22-4039	FIRSTPASS ST Suture Passer, Standard
ULTRATAPE	° Suture Passing Instrumentation
Reference #	Description
72204385	ARTHRO-PIERCE° ULTRATAPE, 35° up
	REGENESORB [°] Suture Anchors Pre-loaded TAPE and ULTRABRAID [°]
Reference #	Description
	HEALICOIL REGENESORB 4.75mm Suture
72203705	
72203705	Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture
	Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture
72203705	Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture
72203697	Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobra Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture
	Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobra Blue) and one #2 ULTRABRAID Suture
72203697	Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobra Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture
72203697	Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobra Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture
72203697 72203708 72203801	 Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobra Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE (Cobraid Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE (Cobraid Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture
72203697 72203708	Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobrai Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE (Cobraid Blue) and one #2 ULTRABRAID Suture
72203697 72203708 72203801 72203704	 Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobra Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE (Cobraid Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE (Cobraid Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with two #2 ULTRABRAID^o sutures (Blue, Cobraid Blue) HEALICOIL REGENESORB 5.5mm Suture
72203697 72203708 72203801	Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobra Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE (Cobraid Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE (Cobraid Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with two #2 ULTRABRAID° sutures (Blue, Cobraid Blue)
72203697 72203708 72203801 72203704	 Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with one ULTRATAPE Suture (Cobra Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE Suture (Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE (Cobraid Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 5.5mm Suture Anchor with one ULTRATAPE (Cobraid Blue) and one #2 ULTRABRAID Suture HEALICOIL REGENESORB 4.75mm Suture Anchor with two #2 ULTRABRAID° sutures (Blue, Cobraid Blue) HEALICOIL REGENESORB 5.5mm Suture Anchor with two #2 ULTRABRAID° sutures

HEALICOIL F	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 F	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)
	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	
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	
	Description	
72201915	Tapered Awl, 3.8mm, reusable	
72201915	Tapered Awl, 3.8mm, reusable	
72201915 72202621	Tapered Awl, 3.8mm, reusable Tapered Awl, 3.8mm, disposable HEALICOIL Knotless Spade Drill, 4.75mm,	

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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