

Influx<sup>TM</sup>  
FIBRANT

A N C H O R

isto  
BIOLOGICS

# READY, SET, REINFORCE.



Loosening of screws is a common complication in osteoporotic patients undergoing fusion.<sup>1,2</sup> So when it comes to revisions, screw refinement, and patients with compromised bone, you will need immediate fixation strength. Fibrant™ Anchor offers just that.

Fibrant Anchor is made from 100% cortical allograft in a form designed to fit screws of varying diameters. The unique form allows for bone grafting around the screw and cortical bone interface that improves insertion torque and pullout force.

- ▶ Screw centering design and tapered shape to ease insertion into prepared sites
- ▶ Proximal flare resists downward migration during insertion
- ▶ Delivers osteoconductive graft material with osteoinductive potential to stimulate bone formation for long-term fixation

# STRENGTH YOU CAN COUNT ON



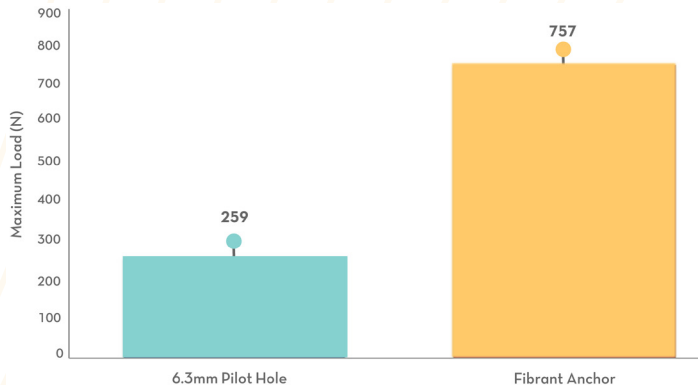
**Anchor your pedicle screws in place with longer, stronger fibers.**

- ▶ Anchor offers stability and bone preservation in revision surgeries
- ▶ Anchor eliminates the need to up-size the screw in revised screw placement
- ▶ Anchor increases fixation in compromised bone when inserted prior to the screw
- ▶ Cannulation allows for optimal placement over a guidewire to improve accuracy during insertion, if desired

# PHENOMENAL FIXATION

## ANCHOR IMPROVED FIXATION 2.9X

### OSTEOPOROTIC MODEL

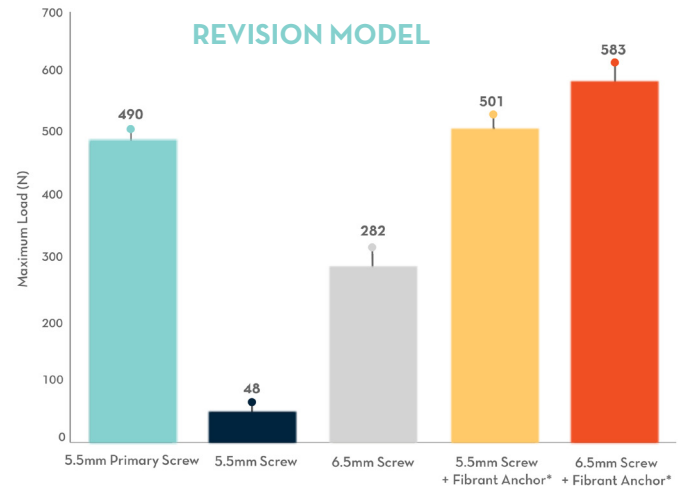


- ▶ Pull-out force for a 7.5mm screw in the 6.3mm control hole was compared with pull-out force for Anchor + 7.5mm screw inserted in the same size hole

Pull-out strength testing was performed using sawbone foam (1522-09;10pfc), a bone analog specified in ASTM standards for screw pull-out testing. (Screw pull-out at 20mm/min. N=5 per group)

## ANCHOR RESTORED FIXATION STRENGTH

### REVISION MODEL



- ▶ In the above model of revision surgery, the initial 5.5mm primary screw provides a revision site when pulled out

*\*Using corresponding Anchor size*

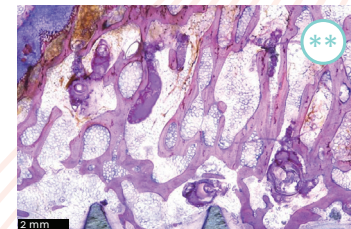
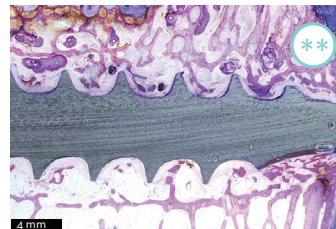
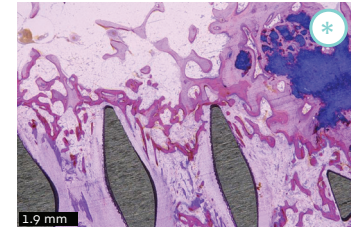
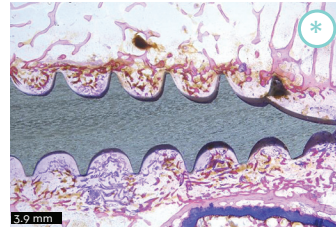


# FORM & REMODEL

Ovine Anchor implants were evaluated in the metaphysis of the proximal tibia and distal femur of sheep using an established model for investigation of the implant-bone interface. Anchors were inserted into 6.0mm diameter cancellous defects and then 5.5mm pedicle screws were inserted into the Anchor.

## HISTOLOGY

- ▶ Samples were processed for histology and analyzed at four and 12 weeks
- ▶ New bone formation was confirmed at four weeks\*
- ▶ *At 12 weeks, bone remodeling progressed forming new woven bone in apposition to the screw and the edge of the defect \*\**



# PRODUCT OPTIONS

## ANCHOR

Product Size	Product Code
Fits 5.5/6.0 mm screw	IFLX-FA-5560
Fits 6.5/7.0 mm screw	IFLX-FA-6570
Fits 7.5/8.0 mm screw	IFLX-FA-7580
Fits 8.5/9.0 mm screw	IFLX-FA-8590

## SEE THE FIBRANT DIFFERENCE IN YOUR NEXT CASE.

Proprietary Fibrant™ technology offers longer and stronger fibers that deliver game-changing advancements over standard DBMs.



45 South Street • Hopkinton, MA 01748 • 1.888.705.ISTO

AMS98282LBL Rev 5

©2022 Isto Biologics. All rights reserved. Fibrant™ is a trademarks of Isto Biologics. Products are processed by Pinnacle Tissue Transplant. One or more implants, instruments, and/or techniques associated with the product names above may be covered by one or more of the United States Patents indicated: US 9,486,557 and US 9,572,912. Visit [www.istobiologics.com/patents](http://www.istobiologics.com/patents) to view all patent information.

**References:** 1. Saman AE et al., Reduced loosening rate and loss of correction following posterior stabilization with or without PMMA augmentation of pedicle screws in vertebral fractures in the elderly, Eur J Trauma Emerg Surg 2013;39:455-460 2. Rometsch E et al., Screw-Related Complications After Instrumentation of the Osteoporotic Spine: A Systematic Literature Review With Meta-Analysis. AO Spine 2020 ;10(1):69-88