

# BioWick™

*Introducing the First and Only*

**Interpositional Bioresorbable Scaffold Wick for Rotator Cuff Repair**

**BioWick™ SureLock™ Implant**

## Behind the Biology

### ⌚ Interpositional bioresorbable scaffold wick

- Arthroscopically deployed between tendon and bone

### ⌚ Aligned fibers in the scaffold wick

- Scaffold wick is composed of aligned, PLGA microfibers designed to mimic fiber alignment of the extracellular matrix (collagen) in the rotator cuff tendon

### ⌚ Statistically significant sheep study results

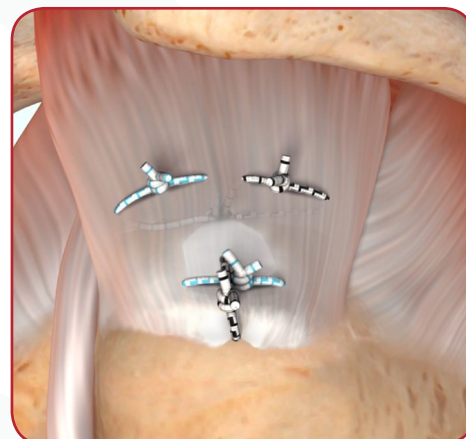
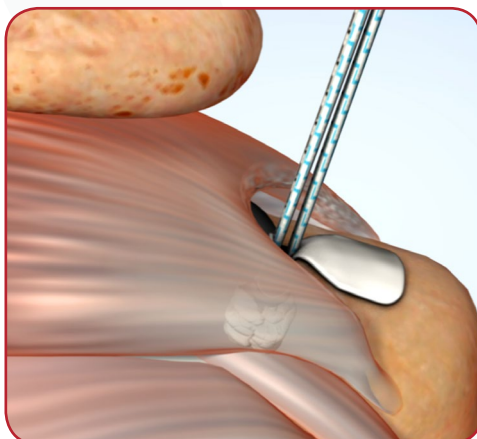
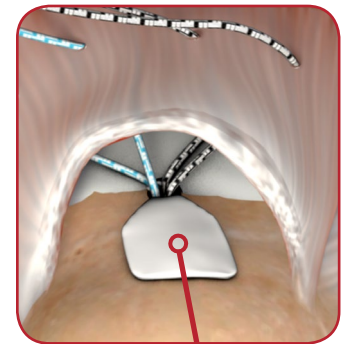
- Significant improvements in histology with no adverse tissue response in the treated vs. control group

### ⌚ Reduced bone removal

- Smaller pilot hole with no need for decortication to create bleeding bony bed

### ⌚ Simple, reproducible delivery

- Integrated anchor technology allows implant to be placed in between tendon and bone using current standard arthroscopic techniques



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## Interpositional Bioresorbable Scaffold Wick for Rotator Cuff Repair

### Behind the Data\*

BioWick™ GLP Sheep Study Conducted at Colorado State University:

The randomized, controlled 56 animal study yielded statistically significant improvements in the treated group versus the control group.\*

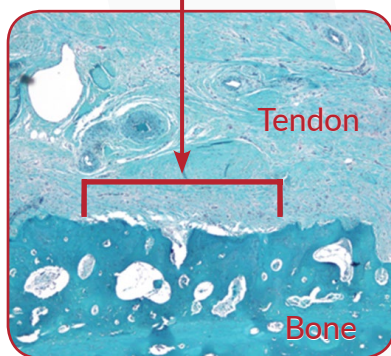
#### Improved Healing Parameters:

- Higher percentage of perpendicular fibers at the tendon-bone interface
- Higher percentage of tendon-bone integration with tissue
- Greater new bone formation at the tendon-bone interface
- Higher levels of Collagen III

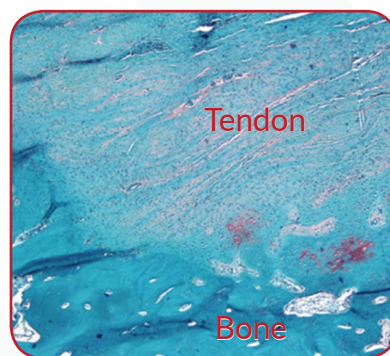
No persistent test article-related toxicologically relevant histopathologic findings compared to control

### Tissue Integration at the Tendon-Bone Interface

Bracketed area indicates lack of tendon - bone integration



Control Group - 12 Weeks



BioWick™ Group - 12 Weeks

*"The BioWick™ technology is an exciting innovation supported by robust scientific evidence that allows me to use my same surgical techniques for rotator cuff repair."*

- Mark Frankle, MD,  
Florida Orthopaedic Institute



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\*Animal study outcomes are not necessarily predictive of human results