

# Ti-KNOT<sup>®</sup>

Titanium Suture Fastening Technology

Designed for the approximation of soft tissue,  
*Ti-KNOT<sup>®</sup>* delivers strong, secure, and  
reliable fasteners in minimally  
invasive procedures.

**STRONG**  
**SECURE**  
**RELIABLE**



**LS SOLUTIONS<sup>®</sup>**

# ***To Tie or NOT to Tie...***

## ***Ti-KNOT***<sup>®</sup>

Titanium Suture Fastening Technology

Laparoscopic knot tying is considered to be one of the most challenging skills to master in minimally invasive surgery. The *Ti-KNOT*<sup>®</sup> *DEVICE* offers an alternative to laparoscopic knots. With One Squeeze<sup>®</sup> technology, the *Ti-KNOT*<sup>®</sup> *DEVICE* secures a *Ti-KNOT*<sup>®</sup> *FASTENER* around the suture and trims the tails in seconds, all while providing excellent tactile feedback<sup>1</sup> when approximating soft tissue. Over the past 23 years more than 2 million titanium fasteners have been sold and proven to be as strong, secure, and reliable as laparoscopic knots<sup>2,3</sup>.

# STRONG

*Ti-KNOT*<sup>®</sup> FASTENERS are made from high grade surgical titanium and have been shown to be well above the minimum required USP knot-pull tensile strength<sup>2</sup>.

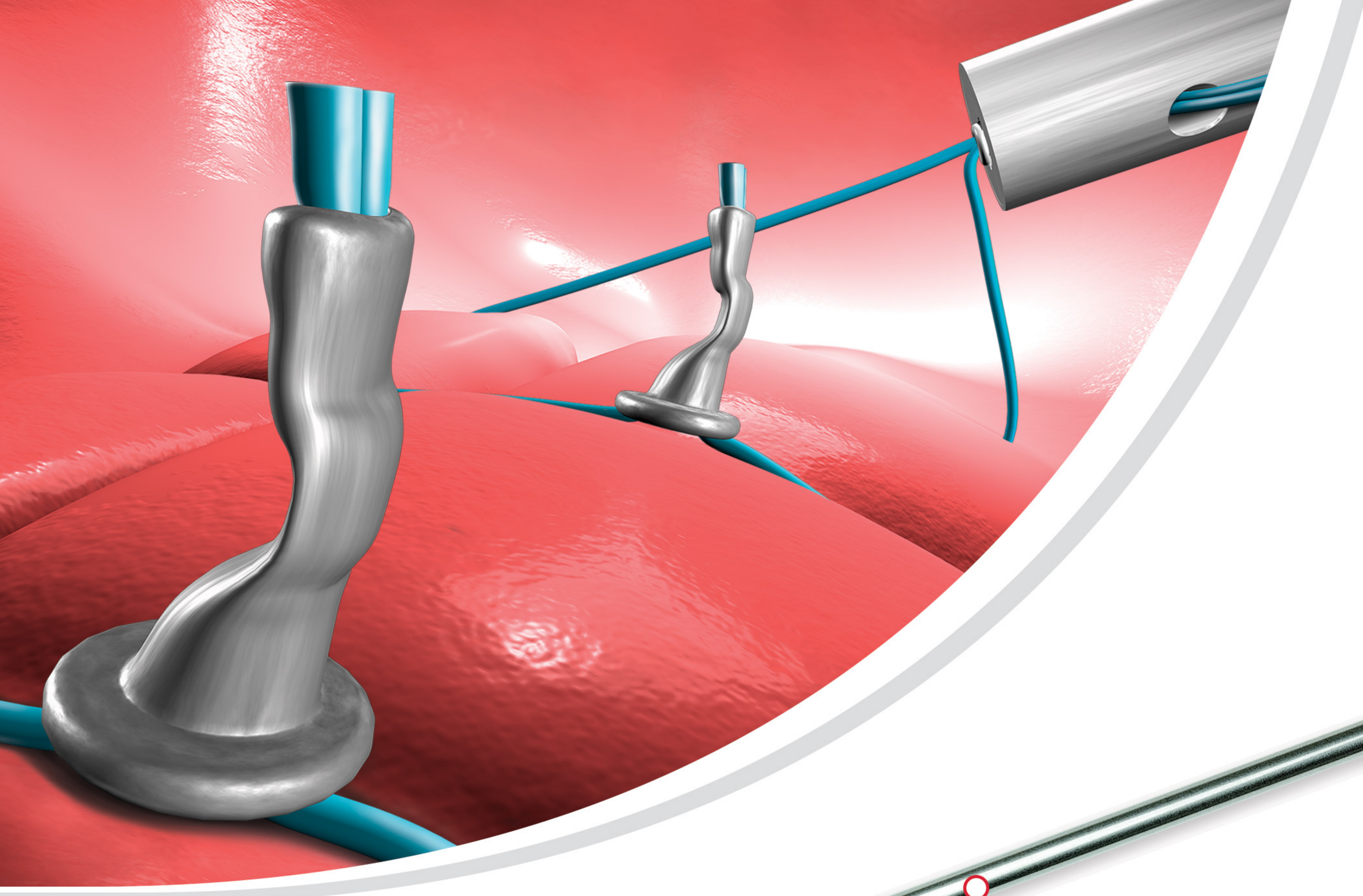


# SECURE

A crimped *Ti-KNOT*<sup>®</sup> FASTENER provides suture security with optimal placement and desired tension.

# RELIABLE

*Ti-KNOT*<sup>®</sup> FASTENERS have demonstrated how reliable they are over the past 23 years with more than 2 million fasteners sold.

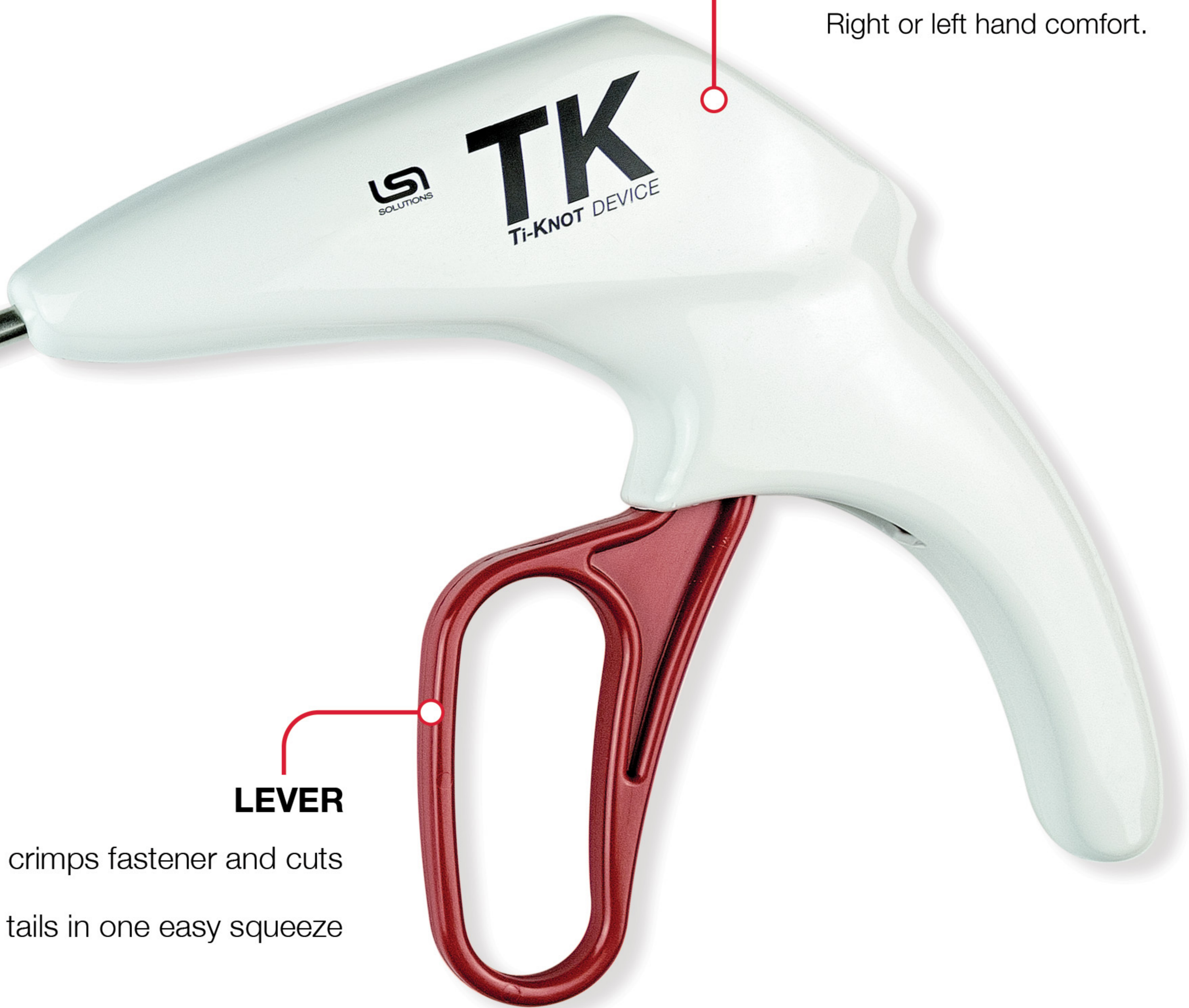


**5MM, 31CM LONG SHAFT**

Optimized for remote suture fastening during minimally invasive procedures

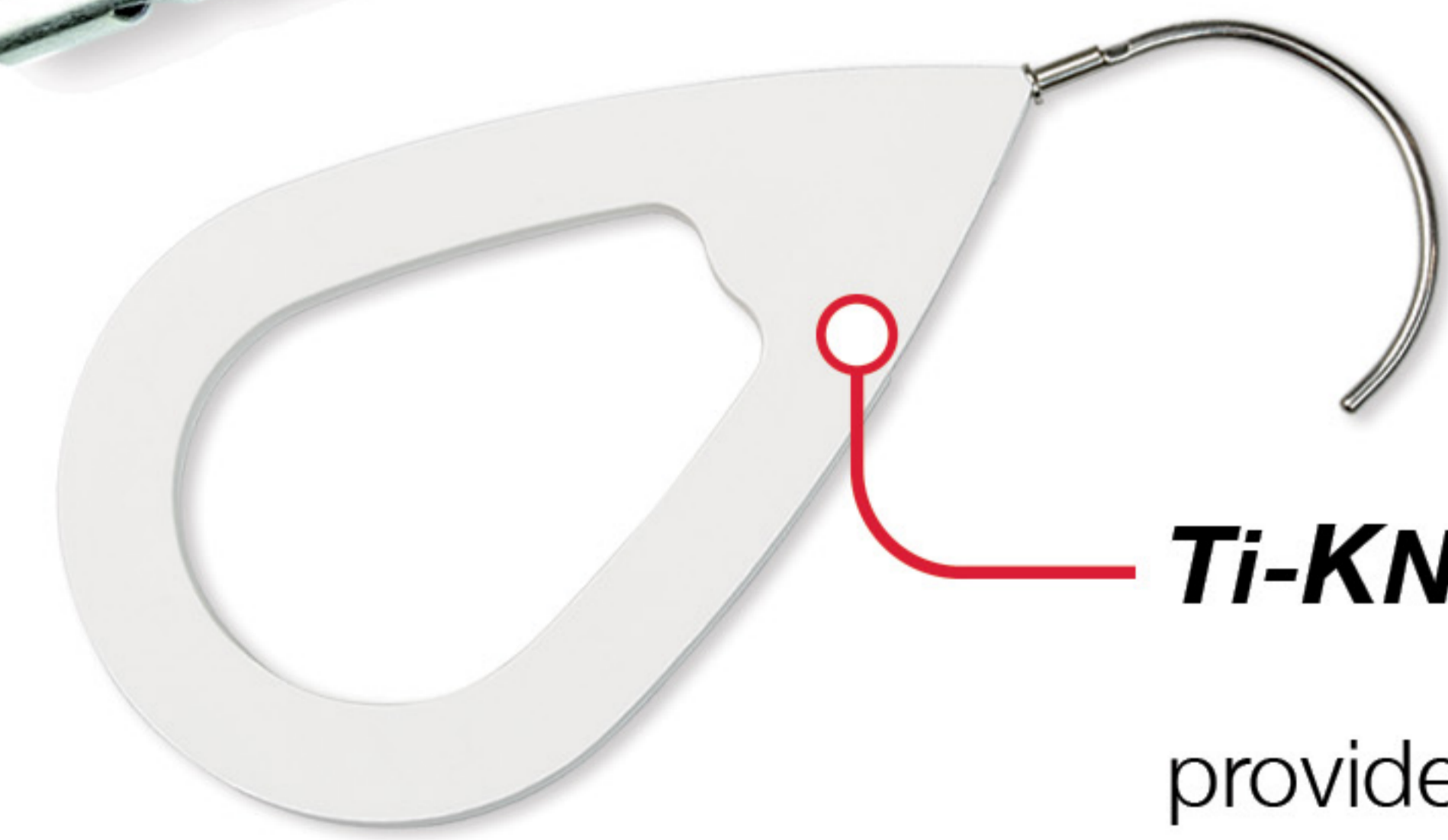
**ERGONOMIC HANDLE**

Right or left hand comfort.



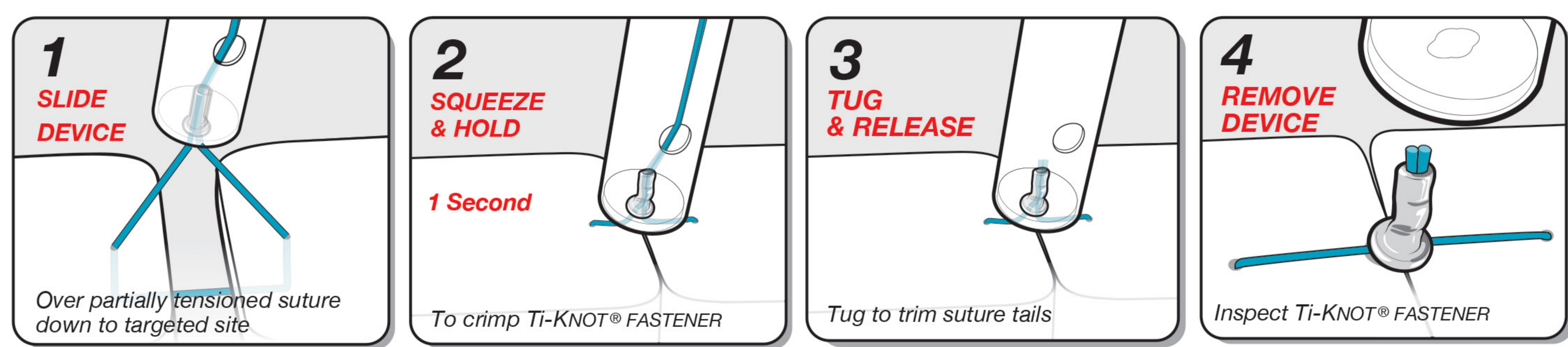
**LEVER**

crimps fastener and cuts suture tails in one easy squeeze





**Ti-KNOT® QUICK LOAD UNIT**

provides a rapid, easy, and reliable way to load a Ti-KNOT® FASTENER





Faster than hand-tying<sup>4</sup> | Short learning curve | Provides tactile feedback

**U.S.**

TK PRODUCT ORDERING		SUPPLIED: STERILE	INDIVIDUALLY PACKAGED
	REORDER	PRODUCT	DESCRIPTION
 x 6	REF 030404	<b>TK® Ti-KNOT® DEVICE</b>	Box of 6 DEVICES
 x 12	REF 030510	<b>TK® QUICK LOAD® UNIT</b>	Box of 12 QUICK LOAD® UNITS

**OUTSIDE U.S.**

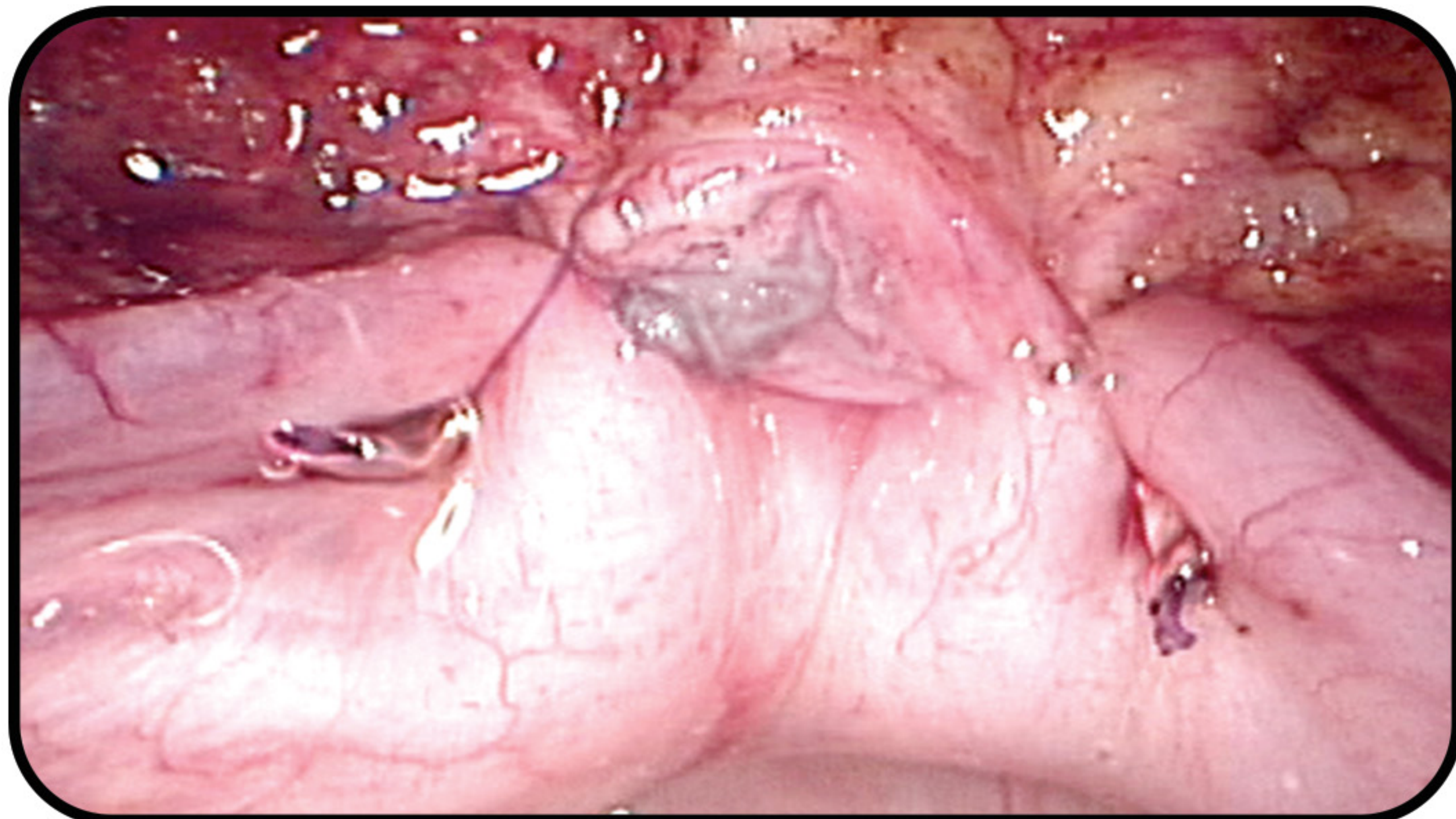
TK PRODUCT ORDERING		SUPPLIED: STERILE	INDIVIDUALLY PACKAGED
	REORDER	PRODUCT	DESCRIPTION
 x 6	REF 032495	<b>TK® Ti-KNOT® DEVICE</b>	Box of 6 DEVICES
 x 12	REF 032496	<b>TK® QUICK LOAD® UNIT</b>	Box of 12 QUICK LOAD® UNITS

PN030643D 02.16.23

EC REP

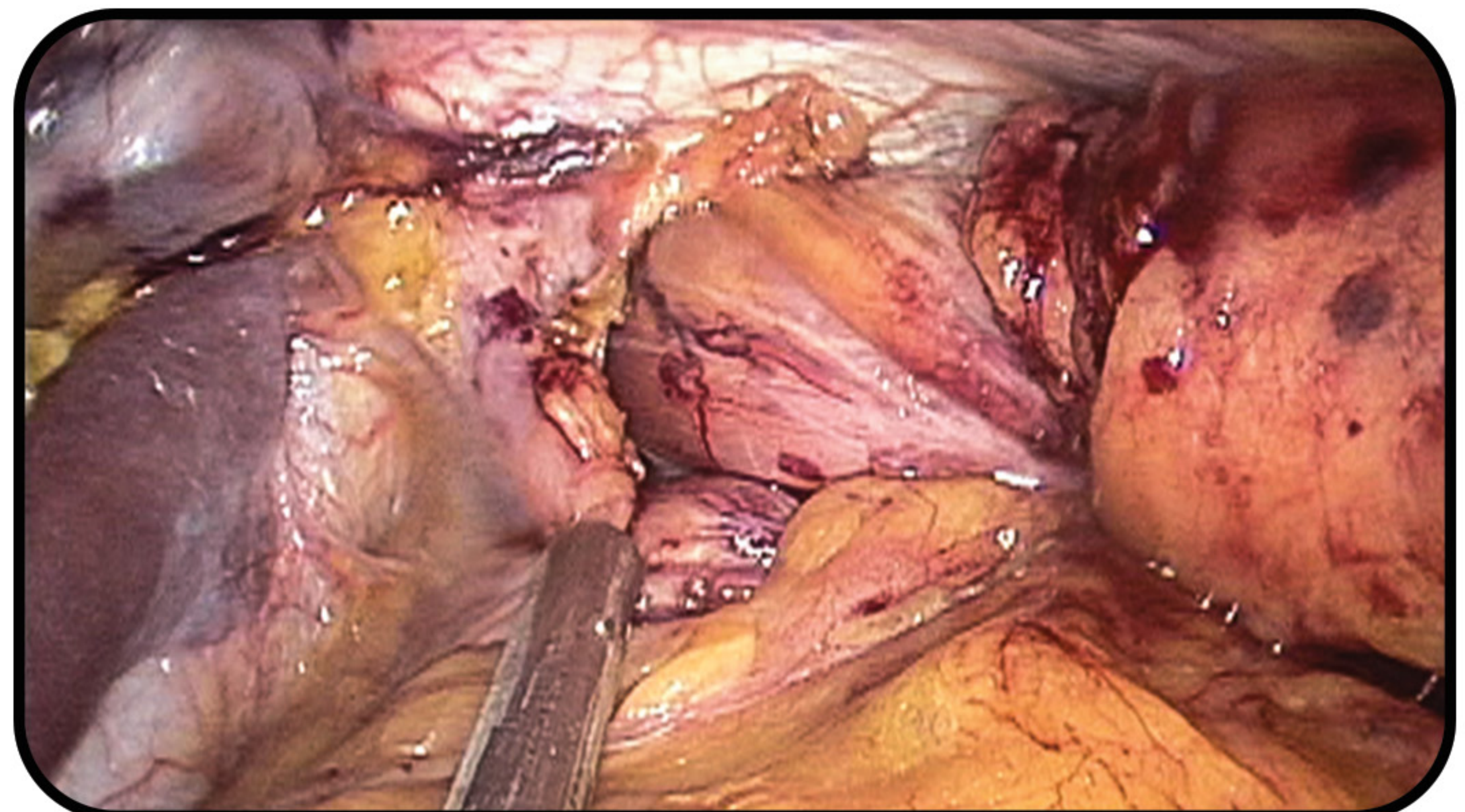


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**VAGINAL CUFF CLOSURE**

Titanium fasteners used to secure suture in a TLH



**CRURAL CLOSURE**

*Ti-KNOT® DEVICE* used to approximate crura in a Nissen Fundoplication

**REFERENCES**

1. Martellaro AJ. A new pressure mapping system towards optimizing cardiac prosthetic attachment. EACTS 2014 Abstract.
2. Giesler CG, Giesler EJ. Extracorporeally tied knots at laparoscopy versus the Ti-Knot placement device. J Am Assoc Gyn Laparoscopists. 2001;8(3):S21.
3. Rodriguez R. Clinical outcomes of patients more than one year after minimally invasive MV repair and replacement surgery with sutures secured using automated titanium fasteners. ISMICS 2013 Abstract.
4. Bhamidipati CM. Titanium knot fasteners in minimally invasive aortic valve replacement affect outcomes. ISMICS 2015 Poster.



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