

AXIUS™

ARTICULATING NEEDLE DRIVER

**ENABLING COMPLEX SUTURING IN
LAPAROSCOPIC HERNIA REPAIR**

with wristed dexterity and infinite rotation

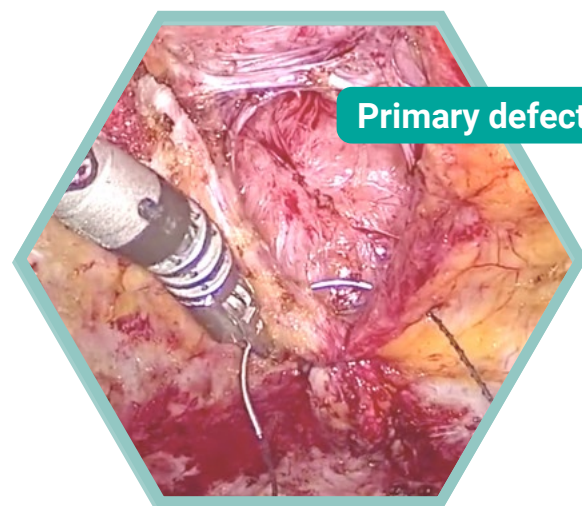


FlexDex
SURGICAL®



Scan to view
AXIUS in use

Hear from AXIUS Hernia Surgeons

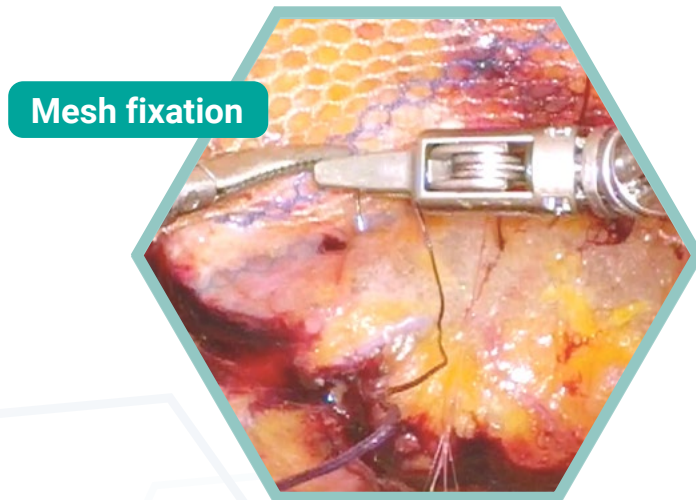


Primary defect closure

“Without the AXIUS, I would not attempt to sew closed the primary defect laparoscopically”

Dr Stuart Abel, University of Southern California

AXIUS enables fascial closure in challenging angles, such as on the anterior abdominal wall and in the confined working space of the pelvis

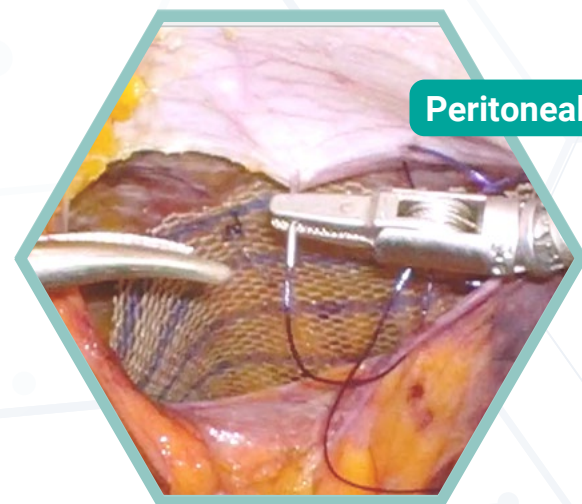


Mesh fixation

“The angles required for mesh fixation are **essentially impossible laparoscopically. The AXIUS is thus enabling technology”**

Dr Danny Sherwinter, Mount Sinai Brooklyn

AXIUS reduces reliance on tackers for mesh fixation and painful transfascial sutures¹



Peritoneal closure

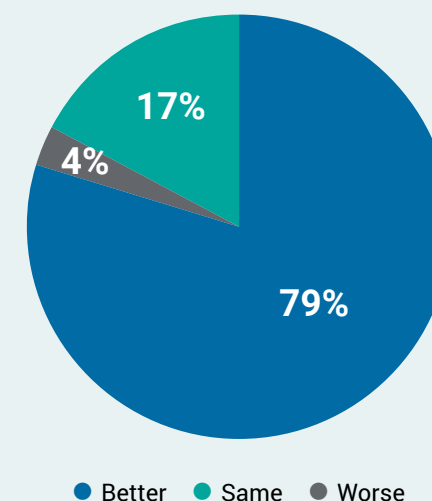
“AXIUS allows tack free hernia repair and peritoneal closure, reducing cost and use of pain medication”

Dr Kent Bowden, Munson Cadillac Hospital

AXIUS users perceive a better quality of closure over tackers due to the precision and dexterity required when working with thin and delicate peritoneal tissue

Benefits for Surgeons, Hospitals And Surgery Centers

Surgeons rated **AXIUS better for quality of suturing in hernia repair** than previous laparoscopic devices²



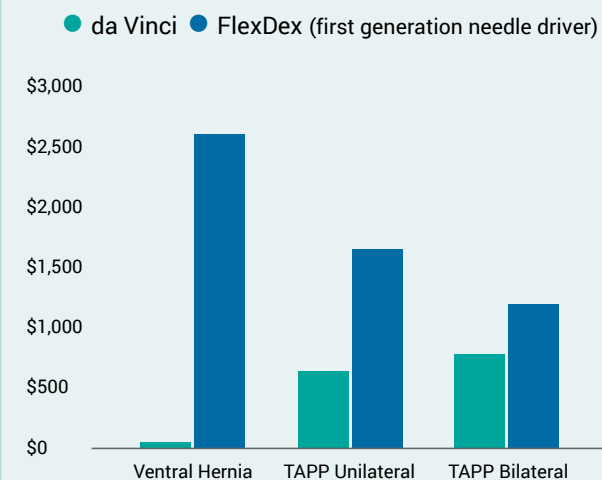
Elevates Traditional Laparoscopy

- ▶ Rated better for quality of suturing and surgeon ergonomics compared to laparoscopic alternatives³
- ▶ Enables new surgical approaches, such as ventral hernia sublay mesh placement[†]

Complementary to Robotics

- ▶ Increased access to high dexterity suturing **reduces patient waiting times**
- ▶ Off-loads low margin robotic cases back to laparoscopy (**significantly improved hospital margin shown in hernia repair⁴**)

FlexDex technology significantly **improved hospital revenue** compared to robotics⁴



Increased Hospital Revenue

- ▶ **Cost-effective multi-use solution to Medicare reimbursement reduction for laparoscopic hernia repair⁵**
- ▶ [†]Enables more cost-effective mesh choices

¹ Vermeulen, J., Alwayn, I. & Stassen, L. (2003). Prolonged abdominal wall pain caused by transfascial sutures used in the laparoscopic repair of incisional hernia. Surg Endosc 17, 1497

² Ventral and inguinal hernia repair. AXIUS Pilot Launch data

³ AXIUS Pilot Launch data

⁴ Bowden, K. (2018). Robotic-Like Suturing Without A Robotic Surgical System. SAGES Abstract ID 87350.

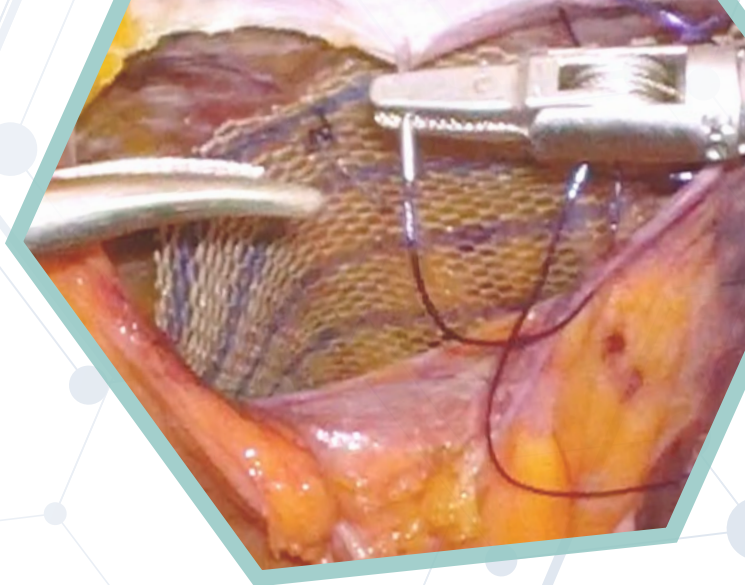
<https://www.sages.org/meetings/annual-meeting/abstracts-archive/robotic-like-suturing-without-a-robotic-surgical-system/>

⁵ 18% decrease between 2012 and 2022. Vlessides, M. (April 2024). Medicare Pay Drops Sharply for General Surgical Procedures. Gen Surg News, 51(3)

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The AXIUS™ 8mm Needle Driver is FDA registered and commercially available in the United States.



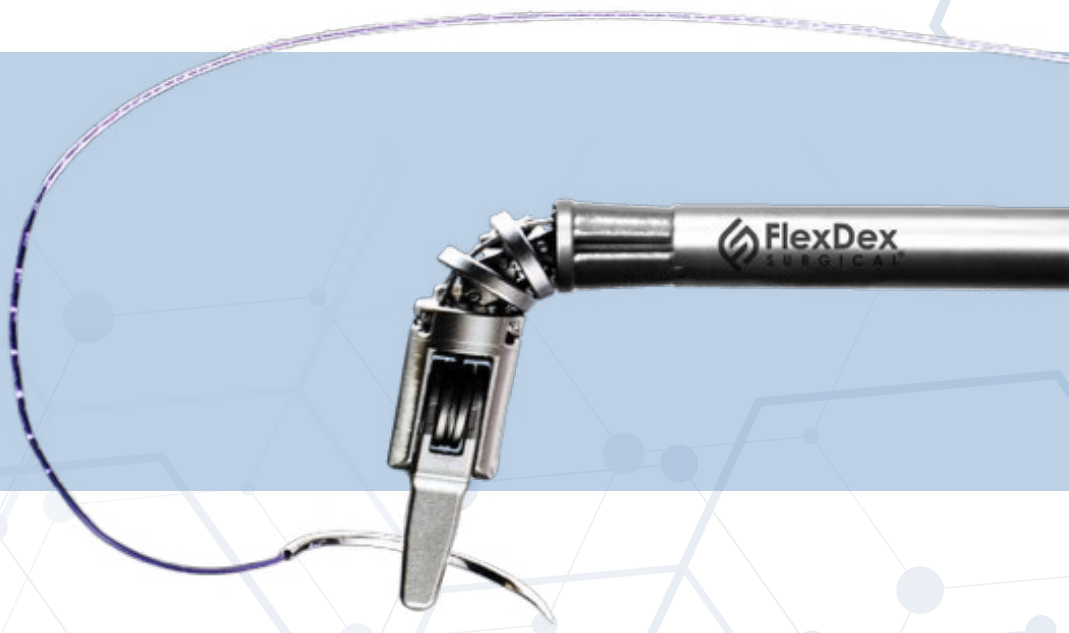
Description	Product Code	Shaft Length
AXIUS 8mm Needle Driver - Medium	8ND1M	37 cm
AXIUS 8mm Needle Driver - Long	8ND1L	43 cm
AXIUS Instrument Tray	OM-1000-FD	-

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Designed and manufactured in the USA

Products protected by U.S. patents and patents pending. For more information: flexdex.com/patents