Minimally Invasive and Novel Therapeutics (M.I.N.T.) September 13th- 15th 2023

Robotic Transversus Abdominus Release: Complex Solution for Complex Hernias

Pete Santoro, MD, FACS

Director, Robotic Surgery

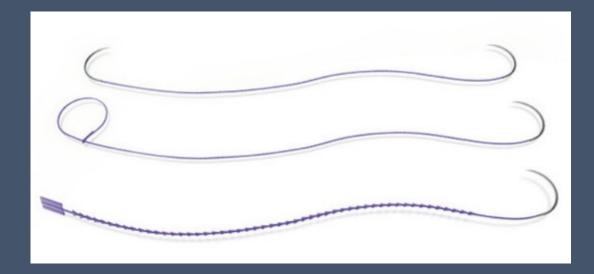
Medical Director, The Hernia Center at ChristianaCare
ChristianaCare





Disclosures

- Intuitive-Speaking/teaching
- J&J/Ethicon-Teaching/consultant









The American Journal of Surgery (2012) 204, 709-716

American Journal of Surgery*

Clinical Science

Transversus abdominis muscle release: a novel approach to posterior component separation during complex abdominal wall reconstruction

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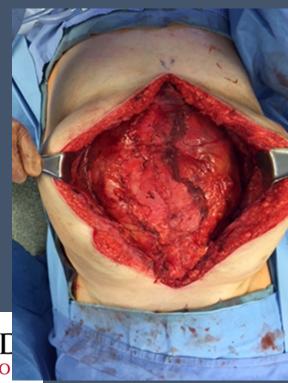
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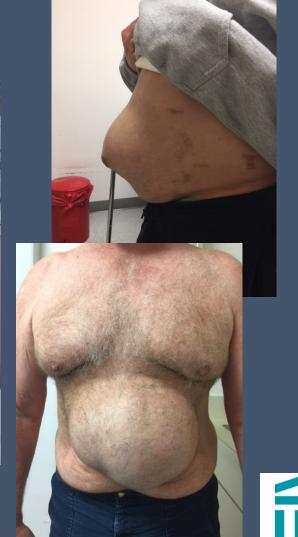




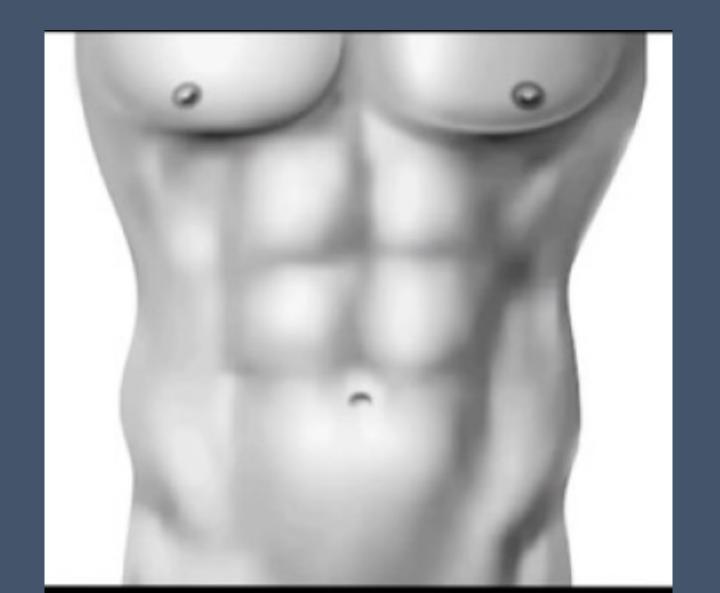
Patient Selection

- Large Defects (>7-8cm)
- Recurrent Hernias
- Extremes of Ab Wall
- Surgical History??
- Surgeon's experience



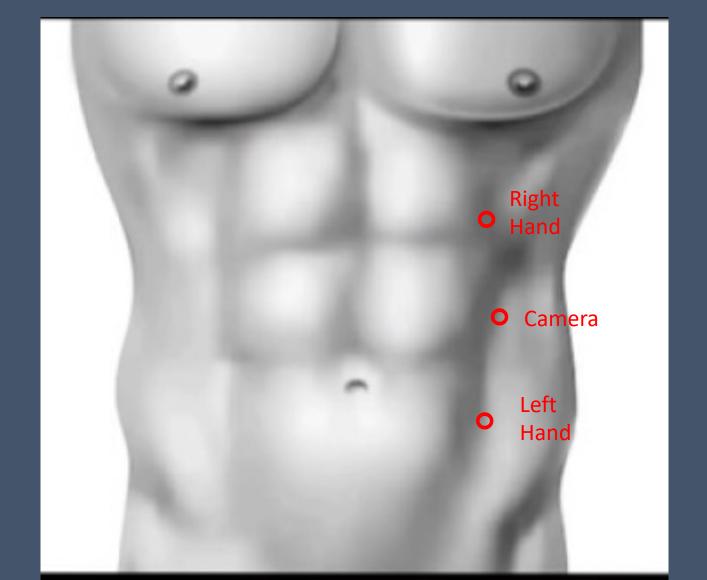




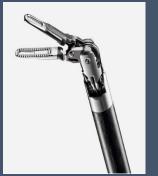






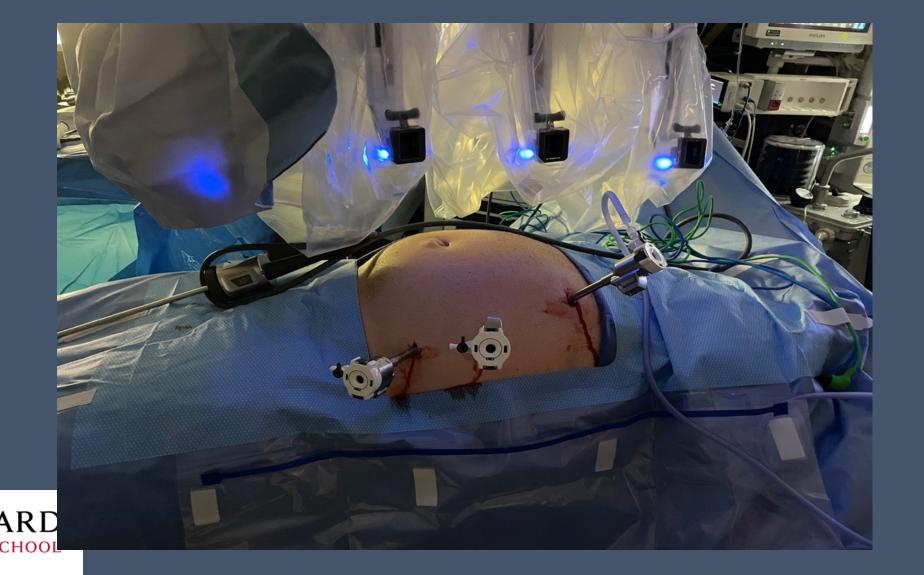




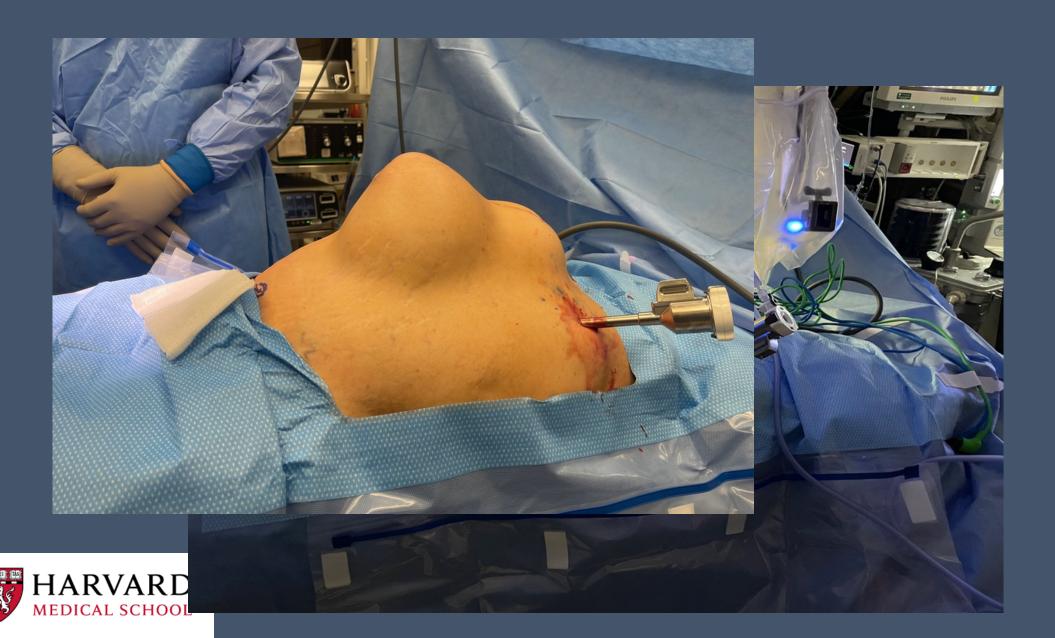








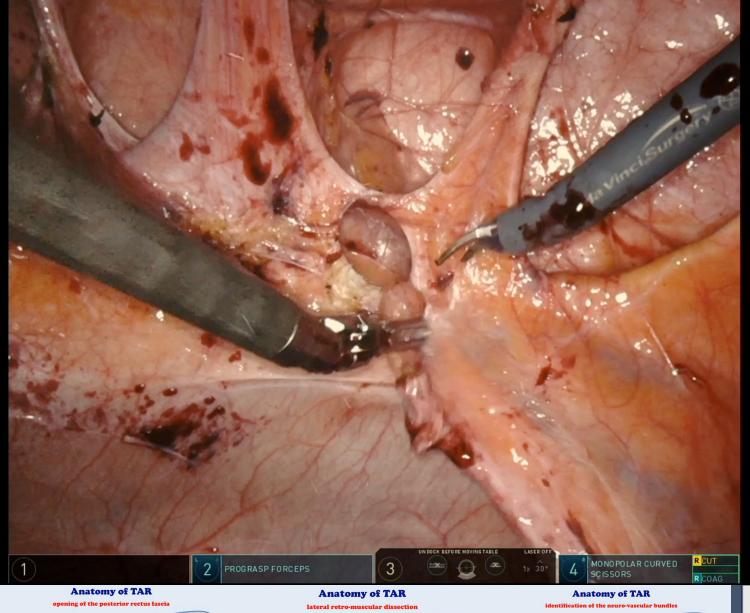








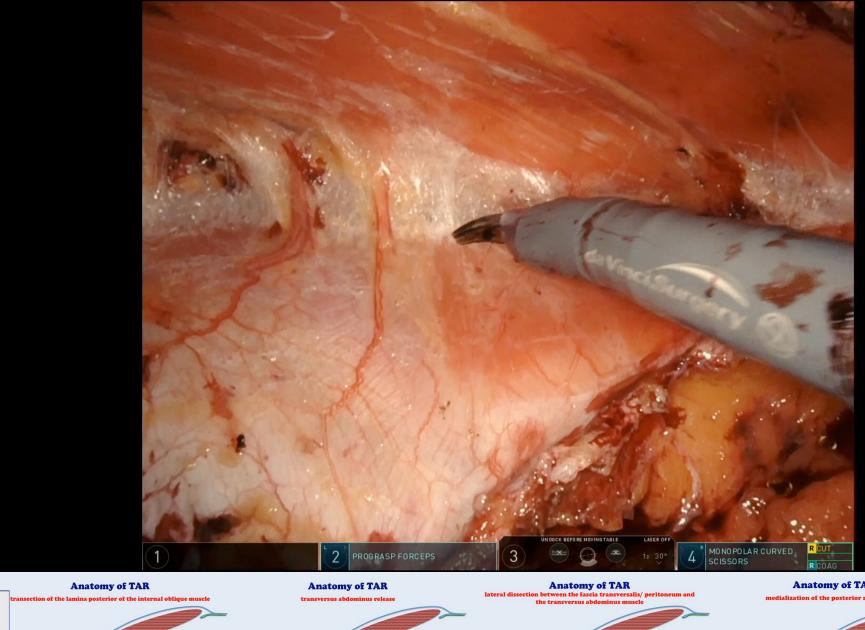




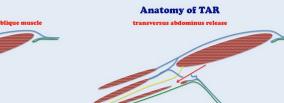


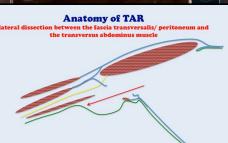




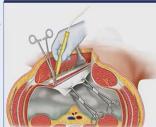




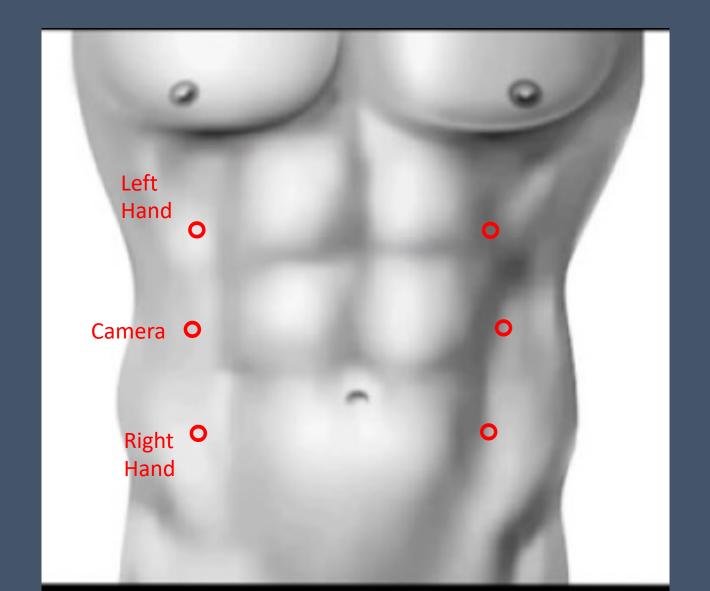






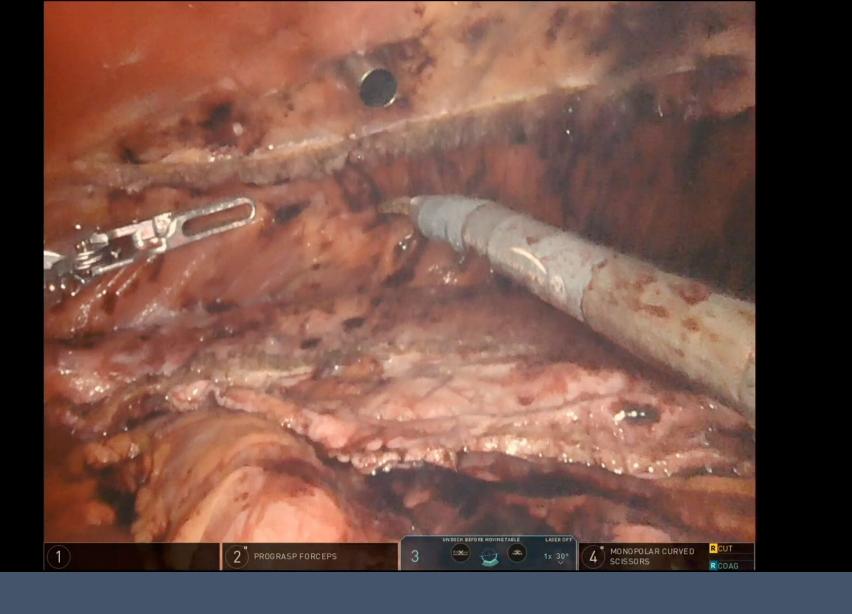


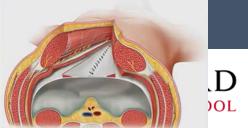
Second Side Port Placement





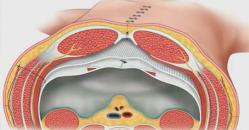














Mesh

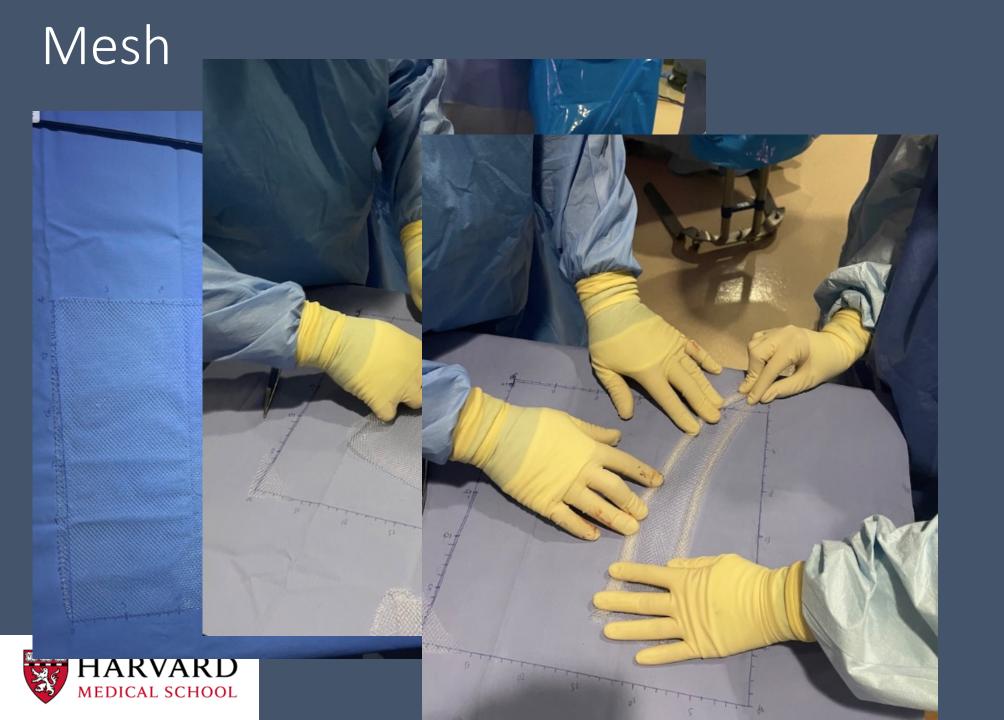




Mesh

HARVARD MEDICAL SCHOOL

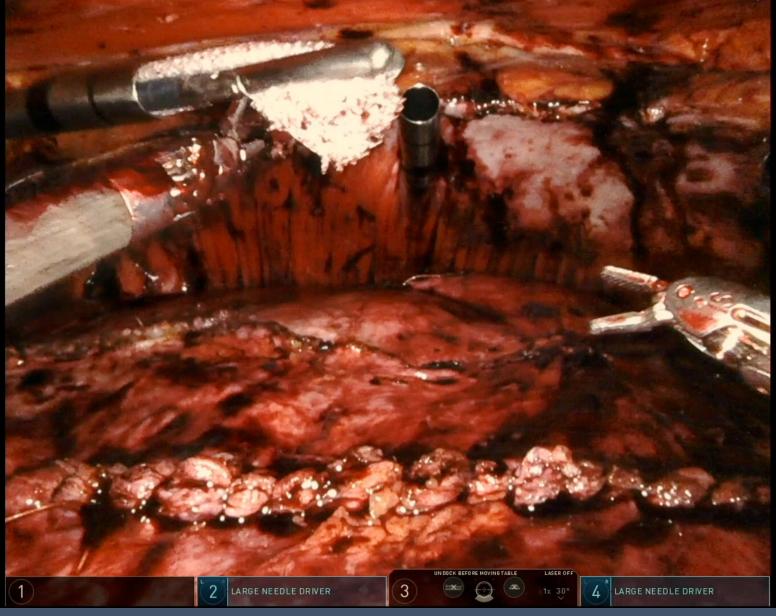












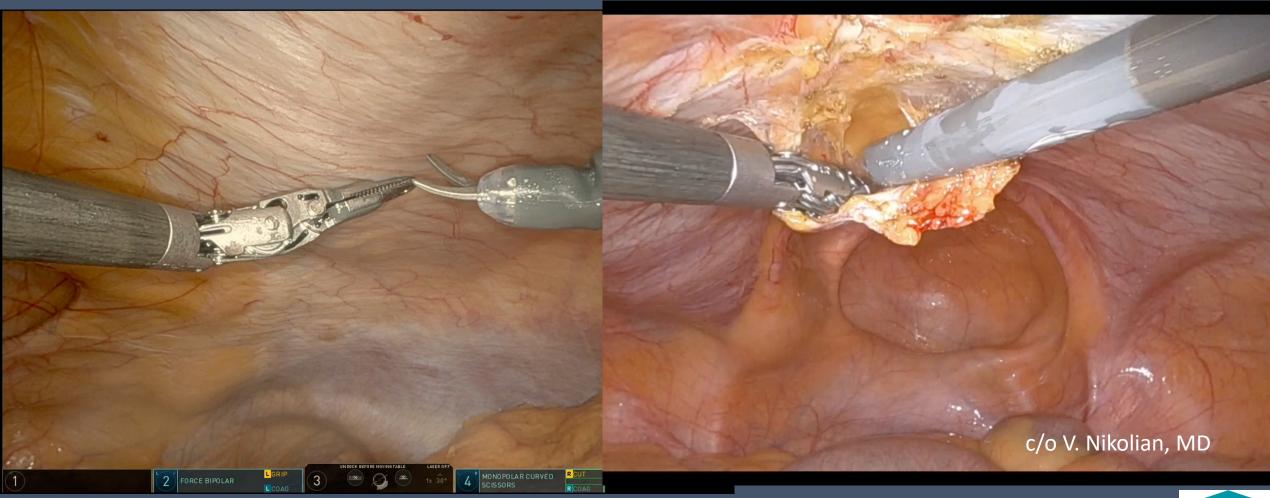




- -2/3-1/3 Mesh Rollup
- -No penetrating fixation (Tisseal)
- -Drain x1week



Extremes of Ab Wall/Alternate Approaches







Summary

- Excellent technique for MIS repair of complex ventral hernias
- Tenets and basic steps same as open
- Deep understanding of abdominal wall anatomy
- Huge impact on patient satisfaction
- Significant reduction in postoperative pain and hospital LOS
 - 1.4 vs. 6 days





• Thank you!

• Questions???

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