

The Hydra Minimally Invasive Surgical System & Nikola Tech

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Nikola Tech, LLC

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**2013 LA-SiGMA Research Infrastructure
Improvement Symposium**

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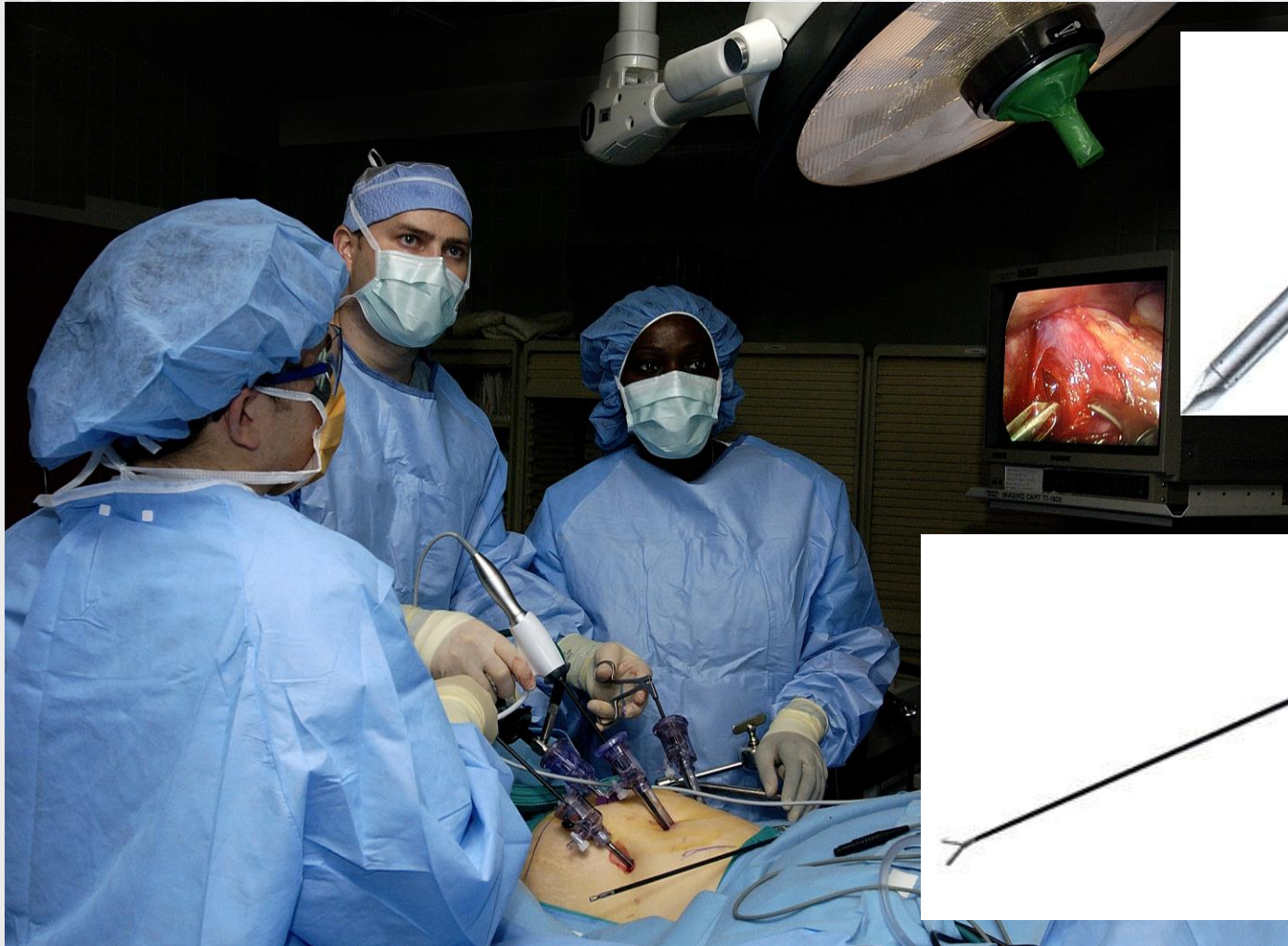


**Tulane
University**
SCHOOL OF MEDICINE

Department of Surgery

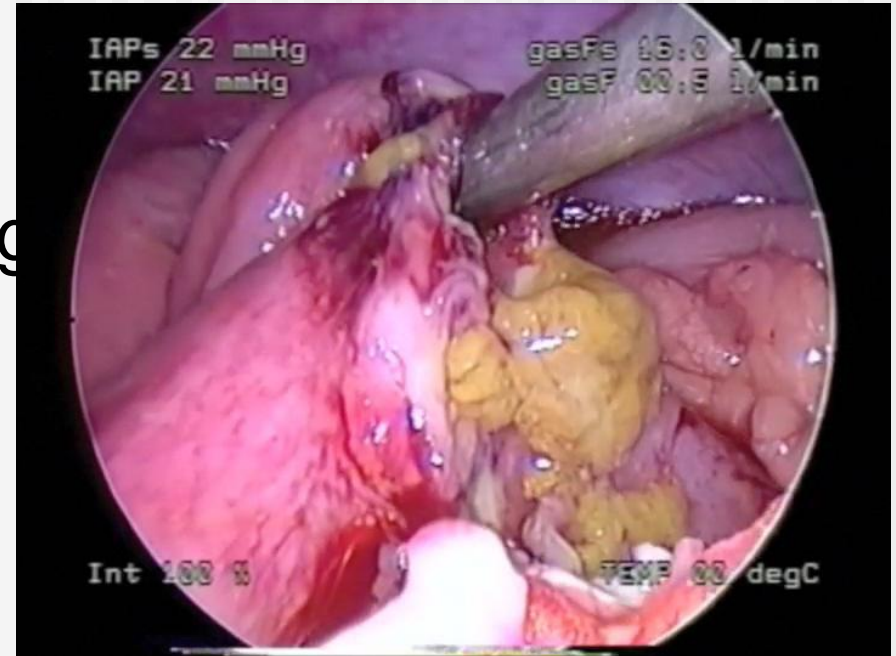


Minimally Invasive Surgery



The Problem

- Time
 - Instrument switching
 - Efficiency
- Safety
 - Economy of motion
 - Iatrogenic injury
- And in surgery, time *is* safety
 - Exposure: volatile agents, insufflation, positioning



The Team

Dr. Eric R. Simms, MD
Vance



Jordan



Dr.
Yon

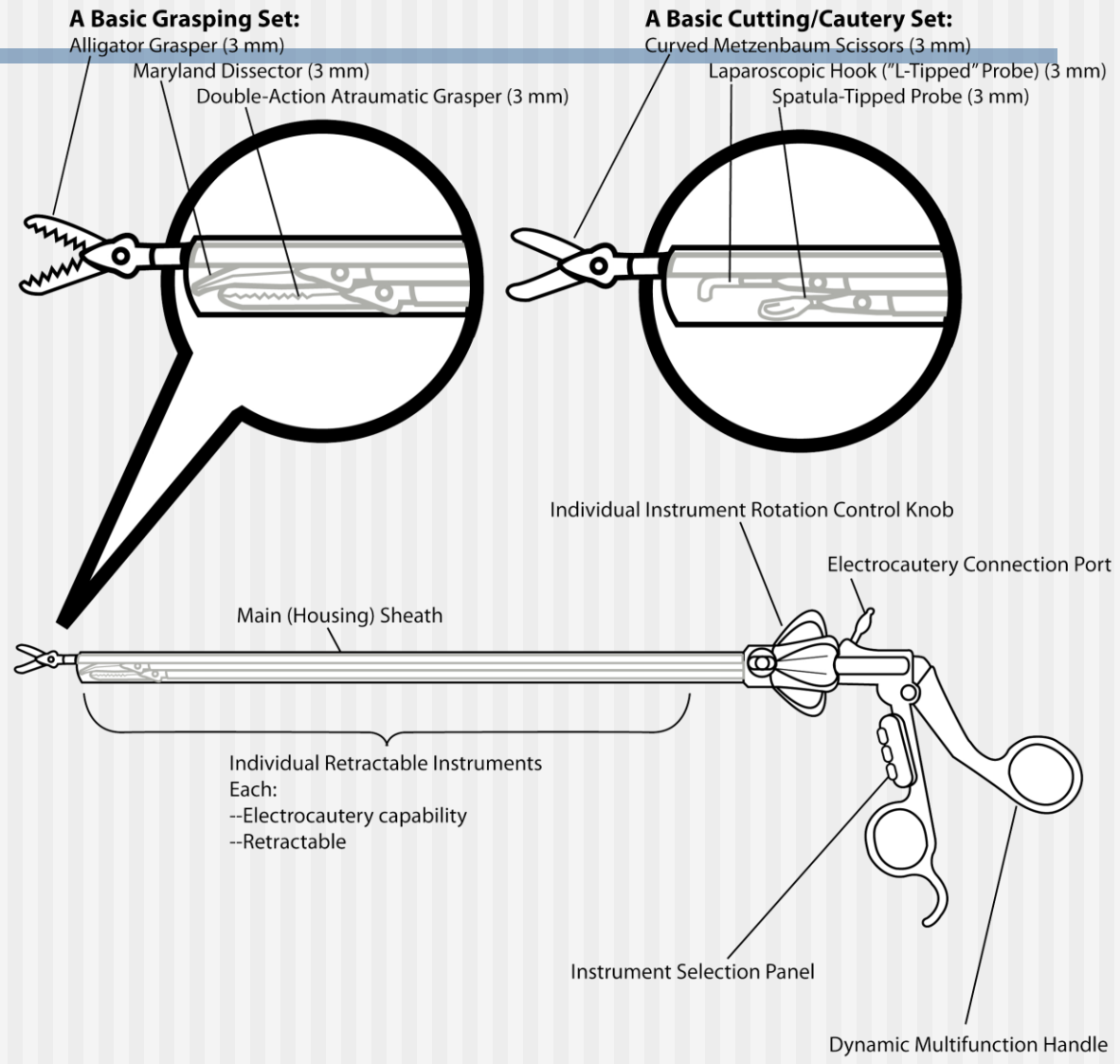


Korndorffer, MD



Joseph

The Hydra Minimally Invasive Surgical System:



Louisiana State Board of Regents and EPSCoR: OPT-IN Grant

- Proposal submitted: December 2011
- Accepted: February 1, 2012
- Total Budget: \$11,416
- Expenses: Engineering ~\$10,800
Materials ~ \$500
- Project completed: January 2013

The Results of the Project

- 3 Iterations of the Hydra MISS
- 2 Completed prototypes
- Patent submitted
- Formation of Nikola Tech
- Now applying for NIH Phase I (STTR) grant
 - “Proof of concept”

Nikola Tech, LLC

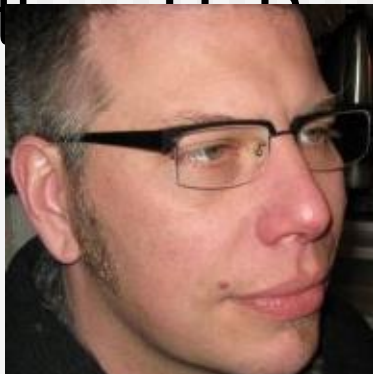
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Jordan



Jonathan H. Brown
Lung



Special Thanks To



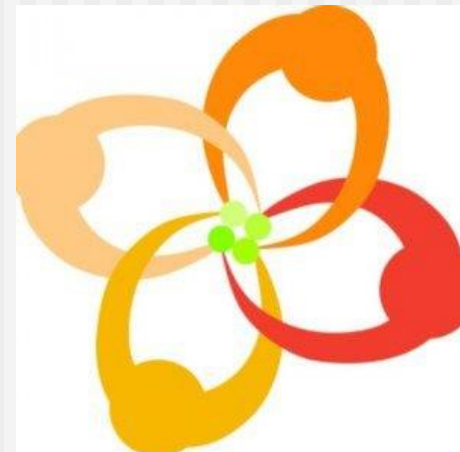
Louisiana State Board of Regents



Dr. James R. Korndorffer, MD



LA-EPSCoR



NOBIC

Thank You!

