• Advancing Natural Orifice Transluminal Endoscopic Surgery (NOTES)
  • Robotic System for Natural Orifice Transluminal Endoscopic Surgery A09-T029

• Autonomous Airway Intubation
  • Autonomous Airway Management A08-172

• End Effectors for Surgical Robotics
  • Multisensory/Multimodal Interfaces for Robotic Surgery A09-T028
  • Actively Compliant Parallel End-Effector Mechanism for Medical Interventions OSD09-H09

• Ultrasound Probes (Imaging Portfolio)
  • Application of Finger-Mounted Ultrasound Array Probes A09-102
Surgery & Simulation Projects leveraging Robotics Enabling Technologies

Univ. of Nebraska Medical Center
InfoScitex Corp
SPI Surgical INC
Energid Technologies

American GNC Corporation

University of Washington
Intelligent Automation, Inc

Florida Univ. / Nicholson Center
Robotics and Unmanned Systems for Medical Missions (1)

- **Battlefield Extraction Assist Robot (BEAR)**
- **Combat Robotic Nurse Assistant**
- **Standoff Remote Triage Sensor Array for Robotic Casualty Extraction System**
- **Advanced Actuators**
Robotics and Unmanned Systems for Medical Missions (2)

- Terrain Dependent Driving Control
- Medical Operations in CBRNE Contaminated Environments
- Combat Medic Unmanned Aircraft System
- Multi-Mission UGV/UAS
Collaboration with Labs to leverage Convergence of Enabling Technologies

- UMS CASEVAC
- Robot-Human Casualty Interface
- LEGS
- Physical Augmentation & Rehabilitation
- Modeling & Simulation