Robotic Bladder Neck Reconstruction w/sling and Appendicovesicostomy

Daniel DaJusta, MD,
Pediatric Urology Division - Nationwide Children’s Hospital
Columbus, Ohio
No disclosures
Robotic Surgery

• Robotic Surgery role continues to grow

• Main Role:
  – Pelvic
  – Reconstructive surgery
Robotic Surgery

• Potential benefits:
  – Improved Cosmesis
  – Decrease Blood loss
  – Decrease Recovery time

• Disadvantages
  – Cost
  – Surgery Duration
Robotic Surgery

• Robotic Advantages
  – Endowrist
    • Perfect for small spaces
    • 7 degrees of motion
  – Tremor reduction
  – 3D camera (depth perception)
  – 10 x magnification
Robotic EndoWrist
Open Surgery
Laparoscopic Surgery
Robotic Surgery

![Image of an anatomical view with labels 'Urethra' and 'Bladder']
Reasons for Surgery

• Incontinence
  – Poor Outlet resistance
  – Overactivity and poor compliance

• Inability to catheterize per urethra
  – Anatomical cause
  – Physical limitation
Types of Surgery

• Poor outlet resistance
  – Urethral injection of bulking agent
  – Bladder neck sling
  – Bladder neck reconstruction
  – Bladder neck reconstruction with sling
  – Artificial sphincter
  – Bladder neck closure
Types of Surgery

- Overactivity and poor compliance
  - SNS
  - Cystoscopy with injection of Botox
  - Bladder augmentation
- Small bowel
- Colon
Types of Surgery

- Inability to catheterize per urethra
  - Creation of a Mitrofanoff channel
- Appendix
- Small bowel (MONTI)
Types of Surgery

• Use of a Robotic assisted Laparoscopic technique
• Same procedure through 5 small incisions
• Potential for easier and faster recovery
Robot Docking
Robotic Bladder Neck Reconstruction w/sling and Appendicovesicostomy

Daniel DaJusta, MD,

Pediatric Urology Division - Nationwide Children’s Hospital
Columbus, Ohio
Robotic Bladder Neck Reconstruction w/sling Appendicovesicostomy and MACE

Daniel DaJusta, MD,
Pediatric Urology Division - Nationwide Children’s Hospital
Columbus, Ohio
Immediate Postop Robotic

- Bladder neck reconstruction
- Mitrofanoff
Recovery

• Right expectation important

• 3-4 weeks at home

• Multiple catheters

• Post op visit for “cath” teaching around 3-4 weeks post op
QUESTIONS?