TIPS & TRICKS
ROBOTIC IPOM

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Disclosures

- None
Minimally invasive approach different tool
My Journey

- MIS fellowship 2004/2005
- December 2012 Robotic Training
Comfort
5.5 years
780 cases

- # Ventral- 210
  - IPOM- 92
  - rTAPP- 118
- # ROBOTAR- 15
- # Inguinal- 260
- # Colon- 27
- # Foregut- 76
- # Mutiport Chole- 67
- # SS Chole-108
- # Spleen-4
- # Misc- 16
The Heart

- MY TEAM
- Standardization
  - “Same thing every time”
- Empowerment
  - Bedside assist- Scrub Tech
- Efficiency
  - turn over time
  - extra room turnover help
Back Table

- Prograsp
- Monpolar Sheers
- Megasuture cut
- 8mm - 30 up
- Peel pack ready
Access
- Palmer’s point - Veress
- 3- 8mm ports on Left side
- Arm 1 - port with insufflation
  - Left subcostal anterior axillary line
- Camera - port 21cm from target
  - 8cm from arm 1
- Arm 2 - port 3 cm ant from ACIS
  - 8cm from camera
- 15 degrees Trendelenburg
- 10 degrees right side down
Give yourself what you need
All fits through 8mm port
0 - 6” V Loc absorbable
0- Ethibond (4x length of mesh)
Mesh- composite
- Roll with coated side out
- Dip in saline
- Use Laparoscopic needle driver
Help From Friends

- TEAM Sport-Si Robot
- Docking over Right side perpendicular
- Instruments in first
- Same thing every time
Avoid the FOG

- Camera in last
- Camera port 21cm from target
- Three way stopcock on camera port
- D HELP
Let the Games Begin

- Lysis of Adhesions
- Reduction of contents/hernia sac
- Score fascial edge
- Closure of Fascia
  - Running
- Mesh
- Suture Fixation
  - Running perimeter
  - Interrupted interior
world upside down
Set Yourself Up For Success

- Sew toward yourself - Back hand
- Sew far to near or down to up
Mesh Tricks

- **The Anchor Trick**
  - Use fascial stitch to anchor mesh to abdominal wall

- **The Clothes Pin Trick**
  - Use free needles to temporarily hold mesh
  - Move free needles as you sew

- **Self sufficient**
The Anchor Trick
Sew Like the Wind

- 2 sutures each 2x the length of the mesh
- Start from farthest point on right side
- Sewing toward yourself
- Ethibond slides- take 3 bites then pull through
- Quilt around the corners
- Tie to your tail
IPOM
Beware of the End

- Needle removal
  - Grab tail 2 cm from needle
  - At a 90 degree angle
- Otherwise you will be on a fishing expedition
Port placement- 9 min
Introduction of Materials- 1 min
Dock- 2 min
Placement of instruments- 2 min
Lysis of adhesions- Variable
Hernia sac- 2 minutes
Instrument change- 30 sec
Fascia closure- 5-15 minutes
Timing

- Mesh positioning – 2 min
- Mesh fixation - 10-20 minutes
- Undock - 2 min
- Remove needles - 2 min
- Closure - 5 min
- Room turnover - 20 min
- CASE TIME: 43- 63 +/- LOA
Future

- Resident/Fellow Education
- Robotic curriculum part of training
- Surgeon driven data collection AHSQC
- As surgeons **WE** need to control the conversation
- Our responsibility to shape the future
Thank You