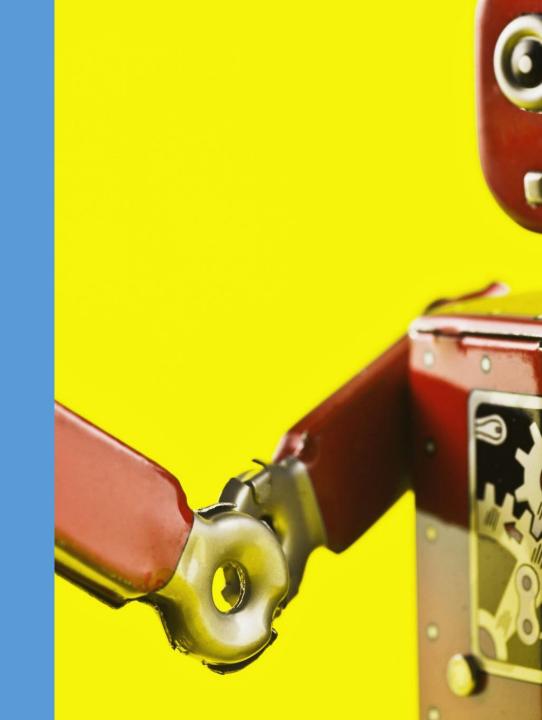
Fundamentals of Robotic Surgery Early Career Fundamentals 2024 IFSO Melbourne

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Gore

Disclosures

Speaking Consultancy Proctoring



Intuitive (Device Technology)

Medtronic

Australian Bariatric da Vinci Procedures -Bariatric Revision -Duodenal Switch —Gastric Banding — Gastric Bypass (Roux-en-Y) — Lap Band Removal ----Other - Bariatrics

----SADI-S ----Sleeve Gastrectomy

Sleeve Gastrectomy

Why Robotics for me?

• Ergonomics

• Desire to improve outcomes

• Tieu K. SOARD 2018: RYGB 0.1%



ERIK WILSON, MD



Welcome to the Future Total Practice Robotic Surgeons Laparoscopy is just a historical transitory phase between open and robotic surgery

 Needed for access, division of adhesions to allow for robot docking

Robotic Surgery = Computer Assisted Surgery. II. Data Analytics

Every Surgical Movement is a data POINT

Evidence for Robotics

- Open Vs Robotic
- Lap Vs Robotic
 - Need big data
 - Historical Controls
 - Learning Curve Effect
 - Watch our for anti-robot people

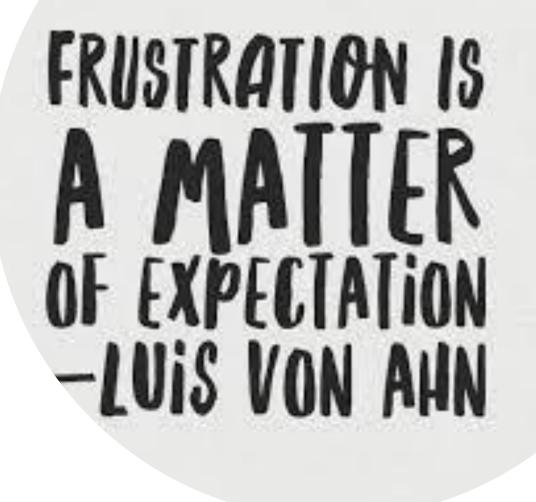


Performing Robotic Procedures is Different

Initial cases will be less good than your expert laparoscopic cases

Distinct learning curve for you and the team

Need Immersion for Fluency



Sleeve Gastrectomy

- Sets you up for success
- Similar set up for all foregut procedures
- Work Horse (85%)
- Hybrid/Fellow Training/ HH GB



ORIGINAL ARTICLE



Early Australian experience in robotic sleeve gastrectomy: a single site series

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Key words

bariatric surgery, learning curve, robotic sleeve gastractomy, robotic surgery, sleeve gastractomy.

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This study was presented at the 20th World Congress of the International Federation for the Surgery of Obesity and Metabolic Disorders (IFSO), Vienna, Austria, 2015.

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Abstract

Background: The use of robotic platforms in bariatric surgery has recently gained relevance. With an increased use of this technology come concerns regarding learning curve effects during the initial implementation phase. The skew gastreckony though may represent an ideal training procedure for introducing the robot into bariatric surgical practice. The present review of the first 10 consecutive robotic skewe gastreckomy procedures performed in an Australian bariatric programme by a single surgeon describes the evolution of the techrique, learning curve and initial patient outcomes.

Methods: Between 2014 and 2015, robotic skeeve gastrectomies were performed as primary and revisional procedures by a consistent surgeon-assistant team. Technique evolution and theatre set-up were documented. Patient demographics, operative time (robot docking and total operation time), additional operative procedures performed, operative and postoperative complications at 1, 3 and 6 months post-procedure and weight loss achieved at 6 months were retrospectively reviewed from a prospectively maintained database.

Results: Ten robotic skeeve gastrectomics were performed without significant operative complications. One patient was treated as an outputient with oral antibiotics for a superficial wound infection. The median total operative time was 123 min (interquartile range (IQR) 108.8–142.5), with a median incision to docking time of 19 min (IQR 15.0–31.8). Length of stay in hospital was 2–3 days. Median excess weight loss achieved at 6 months was 50% (IQR 33.9–66.5).

Conclusion: This study describes a method of safely introducing the da Vinci robot into bariabic surgical practice.

- Commit, listen, build a team, be patient, start simple, prepare
- Multiple Touches
- Keep the Team small
- Video Review
- Audit times and outcomes
- Enjoy your problems
- Robotic Bariatric Collaboration/Mentoring/ Watching others.

- No Robot No Access
- Wrong Platform (Si)
- Wrong Patient
- Wrong Mind Set "I don't need this for most things. I am only doing this for revisional cases"
- Administration
 - No program
 - •\$

Standardisation and Parallel Tasks



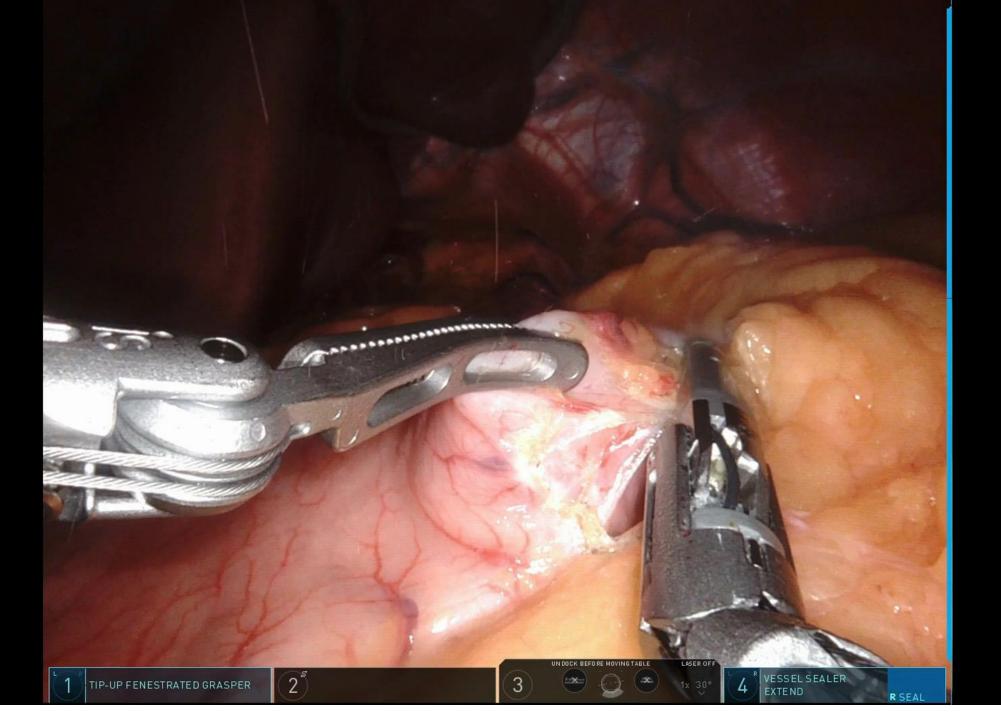




6yo F 81kg 65cm MI 66

D 10 20 T 40mins

dited 2 Speed



2 stage Band to RYGB HH repair.

2

Proctoring



- Need a relationship
- Visitors (Case Observation)
- "Fellows Folder" Dropbox
- Accreditation
- Case planning
- On the day

THANK YOU FOR YOUR TIME AND TO IFSO for THE OPPORTUNITY TO PRESENT and I HOPE TO SEE YOU SOON

CANDICE SILVERMAN

Facebook Groups: RSC, RBSC, IHC

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