

What are the Incisional hernia trends? Real World Data Over 9 years from the ACHQC Database

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Prashanth Sreeramoju MD, MPH, FACS
Associate Professor of Surgery
Director of General Surgery- Weiler Hospital
Montefiore- Einstein Medical Center, Bronx, New York

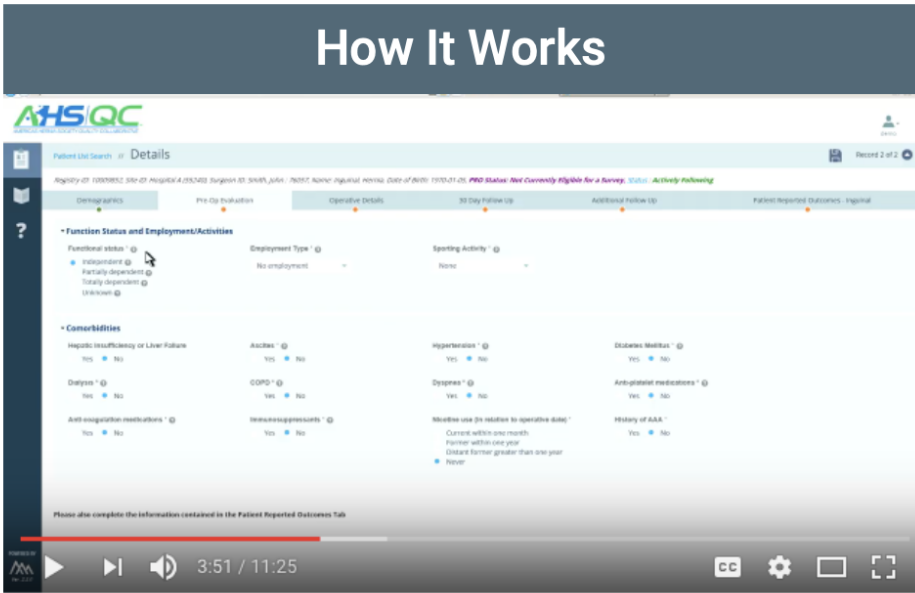
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No Disclosures



How It Works



ACHQC Patient List Search: Details

Agency ID: 0289852 Site ID: Hospital 4, 057402 Surgeon ID: 5945, John J. 76117 Appear against Normal: 200 of 400: 1970, 01: PPD Status: Not Currently Eligible for a Survey. Color: **Active Following**

Demographics	Pre-Op Evaluation	Operative Details	30 Day Follow Up	Additional Follow Up	Patient Reported Outcomes - Reported
Functional Status and Employment/Activities Functional Status: <input type="radio"/> Independent <input checked="" type="radio"/> Partially dependent <input type="radio"/> Totally dependent <input type="radio"/> Unknown Employment Type: <input type="radio"/> No employment Sporting Activity: <input type="radio"/> None					
Comorbidities Hepatic insufficiency or Liver Failure: <input type="radio"/> Yes <input checked="" type="radio"/> No Diabetes Mellitus: <input type="radio"/> Yes <input checked="" type="radio"/> No DVT: <input type="radio"/> Yes <input checked="" type="radio"/> No COPD: <input type="radio"/> Yes <input checked="" type="radio"/> No Hypertension: <input type="radio"/> Yes <input checked="" type="radio"/> No Dyspepsia: <input type="radio"/> Yes <input checked="" type="radio"/> No Anti-platelet medications: <input type="radio"/> Yes <input checked="" type="radio"/> No Anti-coagulation medications: <input type="radio"/> Yes <input checked="" type="radio"/> No Hemostatics: <input type="radio"/> Yes <input checked="" type="radio"/> No Medication use (in relation to operative date): Current within one month: <input type="radio"/> Former within one year: <input type="radio"/> Discontinued greater than one year: <input checked="" type="radio"/> Never					

Please also complete the information contained in the Patient Reported Outcomes Tab

3:51 / 11:25

126,591 Patients



474 Surgeons

Join the ACHQC

Incisional hernias

22792



Incisional hernia
pts

01/2014 to April 2023

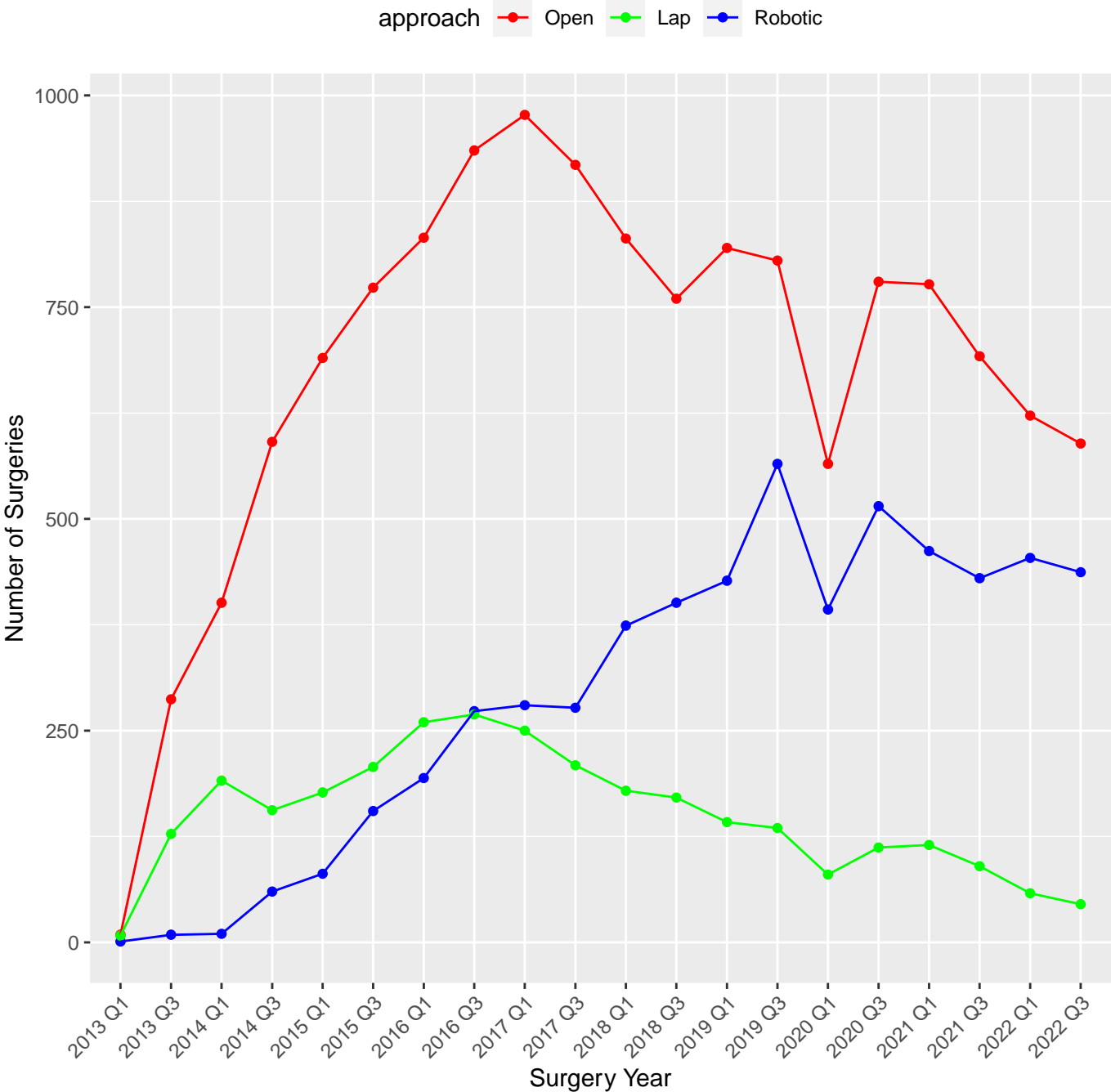


ACHQC pts

- Open (O) – 13654
- Lap (L) – 2982
- Robotic (R) – 5798



Trend



Demographics

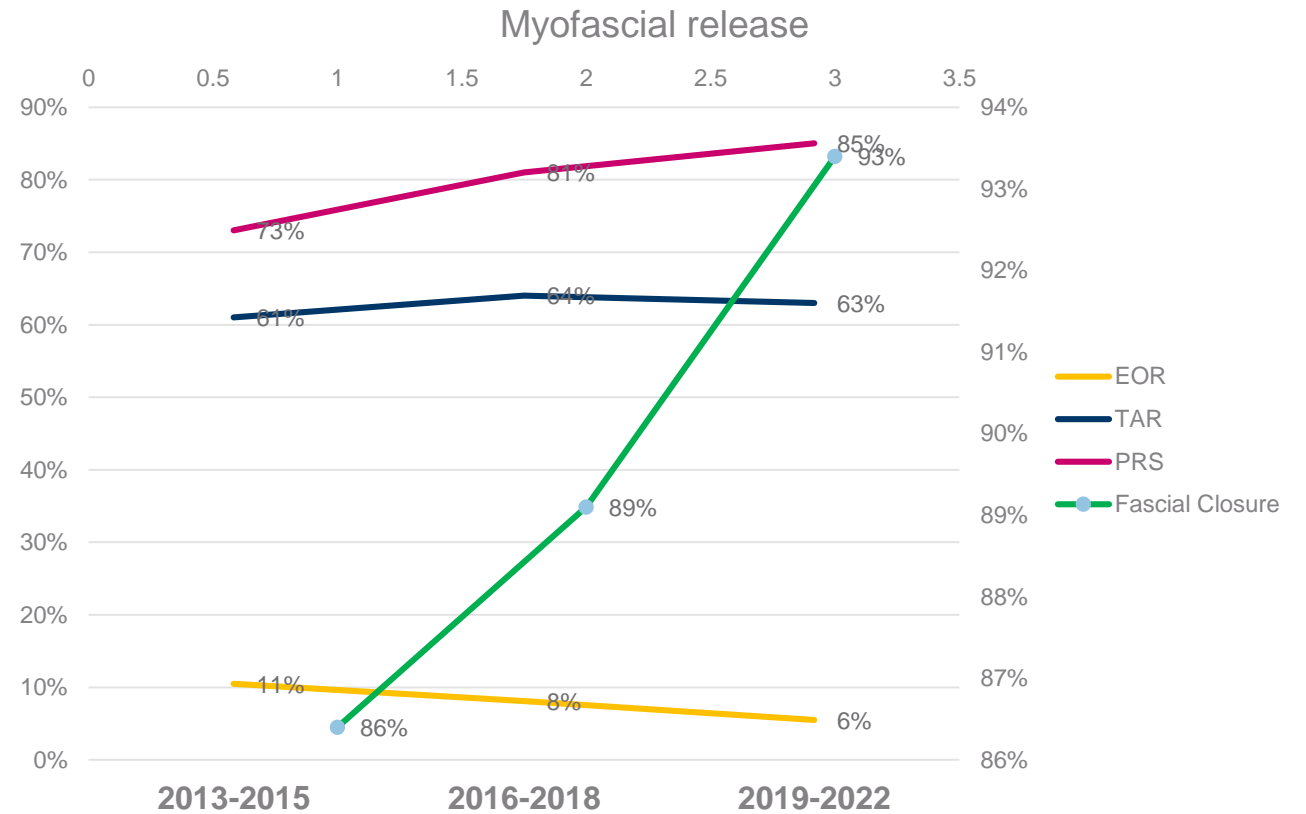
- F = M slightly female predominance
- Most of them are 60 years or older
- Smoking rate 10%
- Class II and III BMI cases – 30%
- Common co-morbidities –HTN, DM, COPD
- Recurrent hernia repairs 40%

Hernia Characteristics

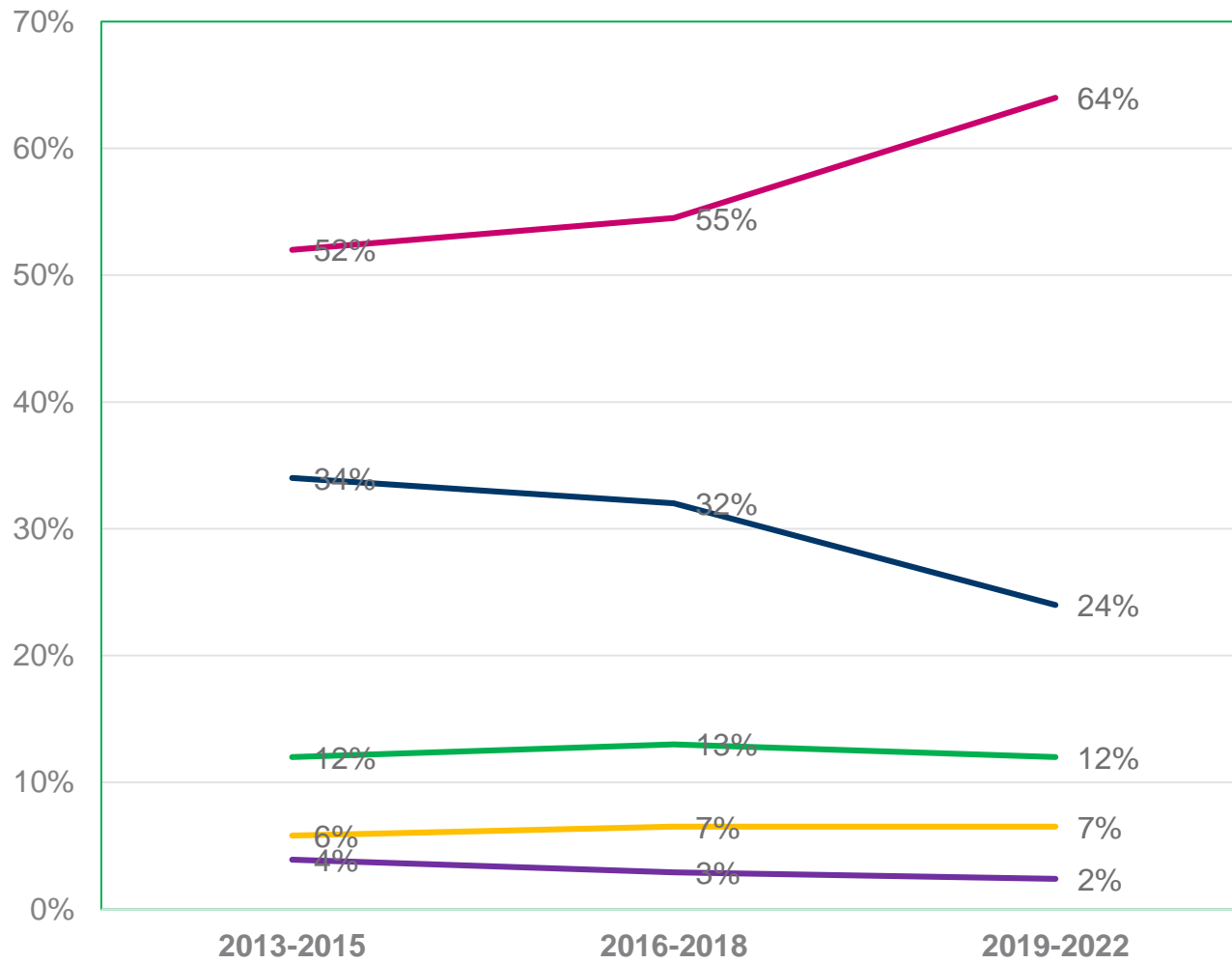
- Common hernia location M2,M3 and M4
- Hernia length (median cm)- O (15) > R (8) > L (5)
- Hernia width (median cm) – O (10) >R (5) > L (4)
- Hernia grade
 - 1 – no difference
 - 2 – R>L>O
 - 3 – O>R>L

Operative characteristics

- OR time O > R > L
- Myofascial release



Mesh Position



Mesh position

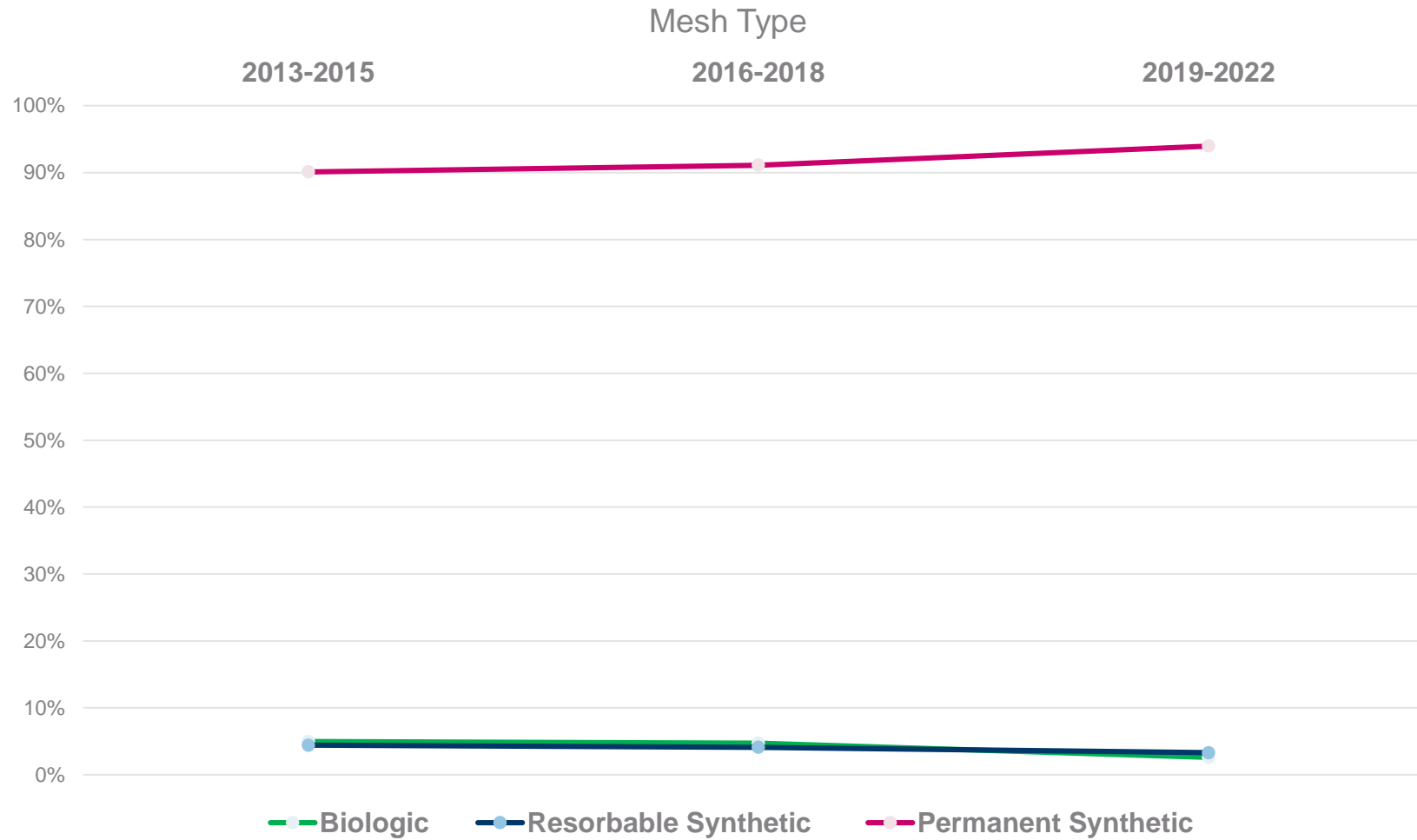
Common - Sublay

Lap – IPUM

Open and Robotic – retromuscular

- Onlay
- Inlay
- Retromuscular
- Preperitoneal
- Intraperitoneal

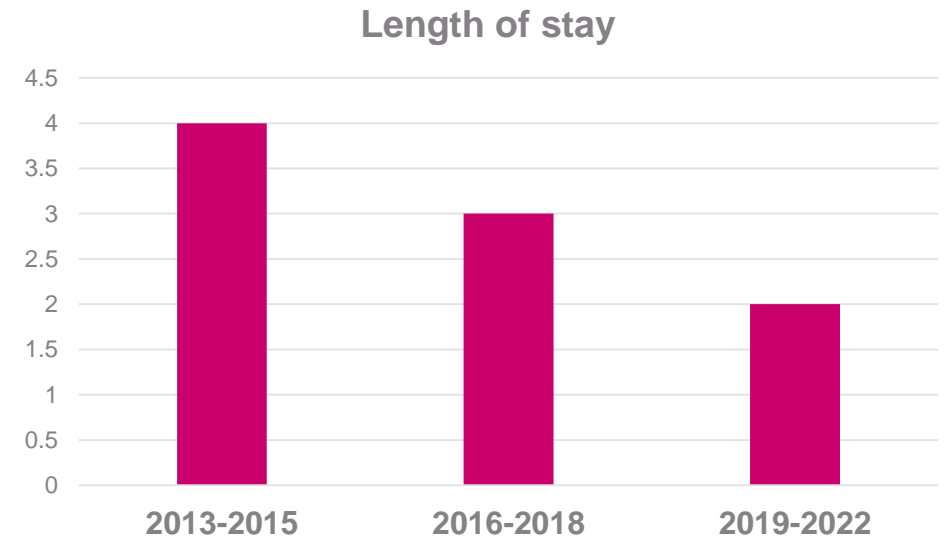
Mesh Characteristics



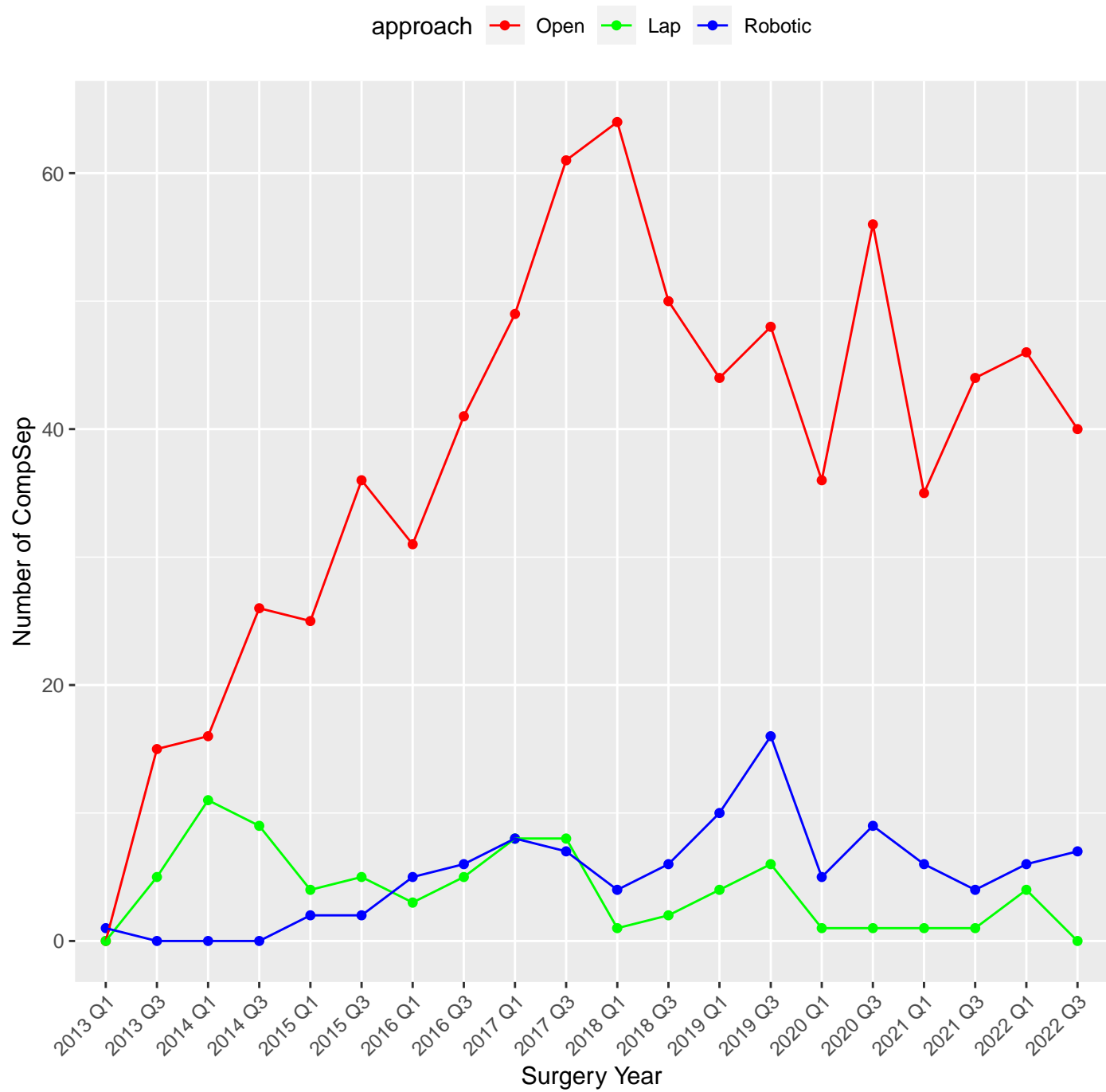
- Fascial closure technique
 - Absorbable suture and Running
- Decreasing trend of Mesh fixation
 - Adhesives ↑
 - Tacks ↓
- Drain usage 50%

Outcomes

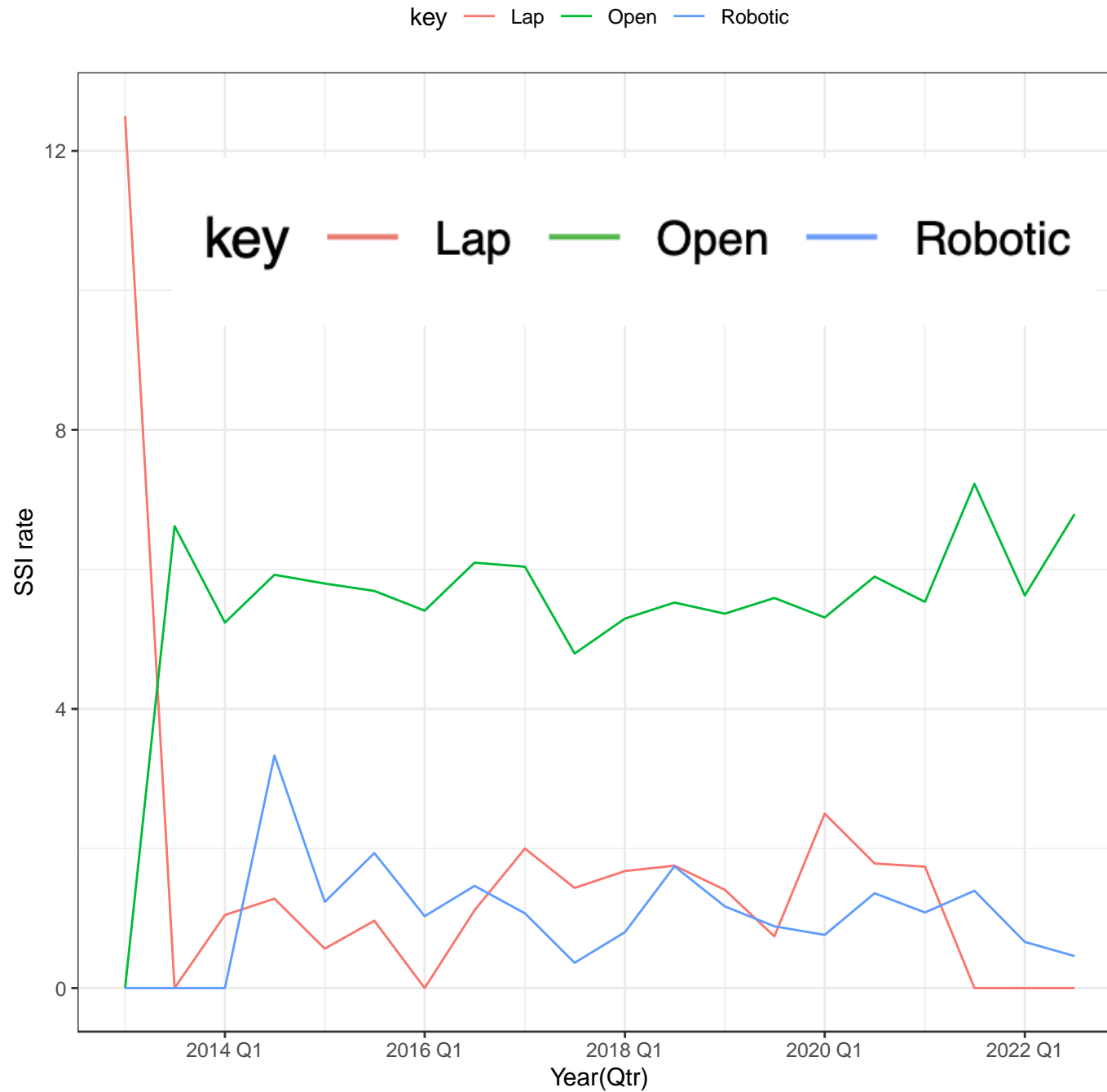
- LOS (days) : R (1) = L (1) < O (4)
- Bowel Injury
 - Open 3.7%
 - Lap 1 %
 - Robotic 0.7%
- Concomitant procedures
 - Hernia R>L>O
 - GI tract O>R>L
 - Plastics O>R>L



Outcomes

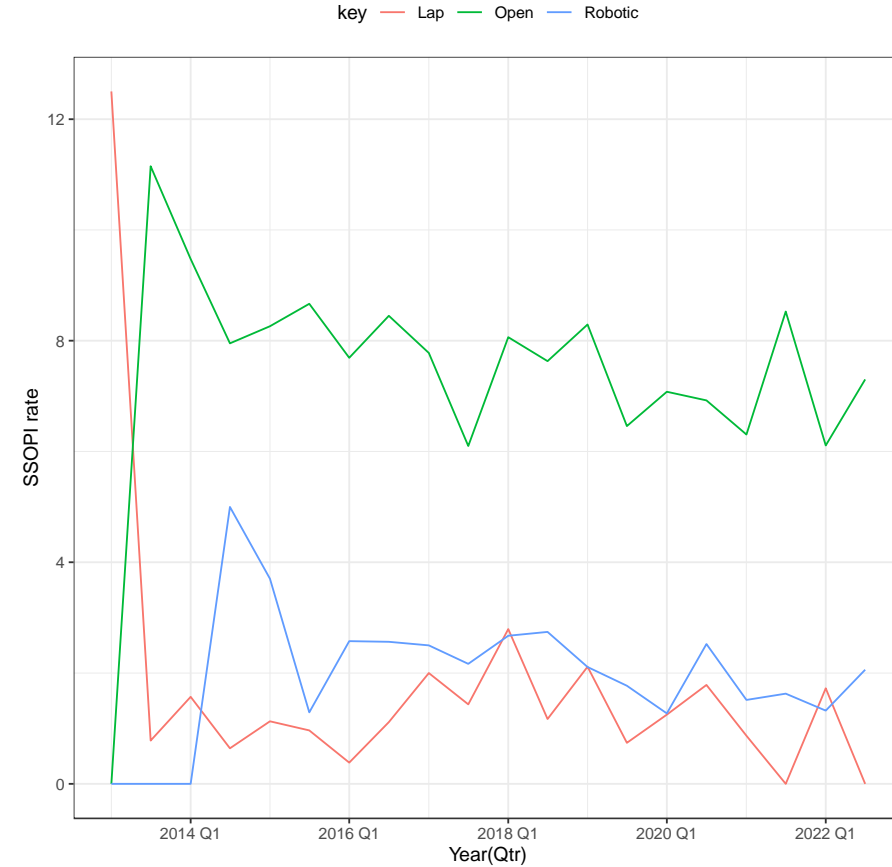
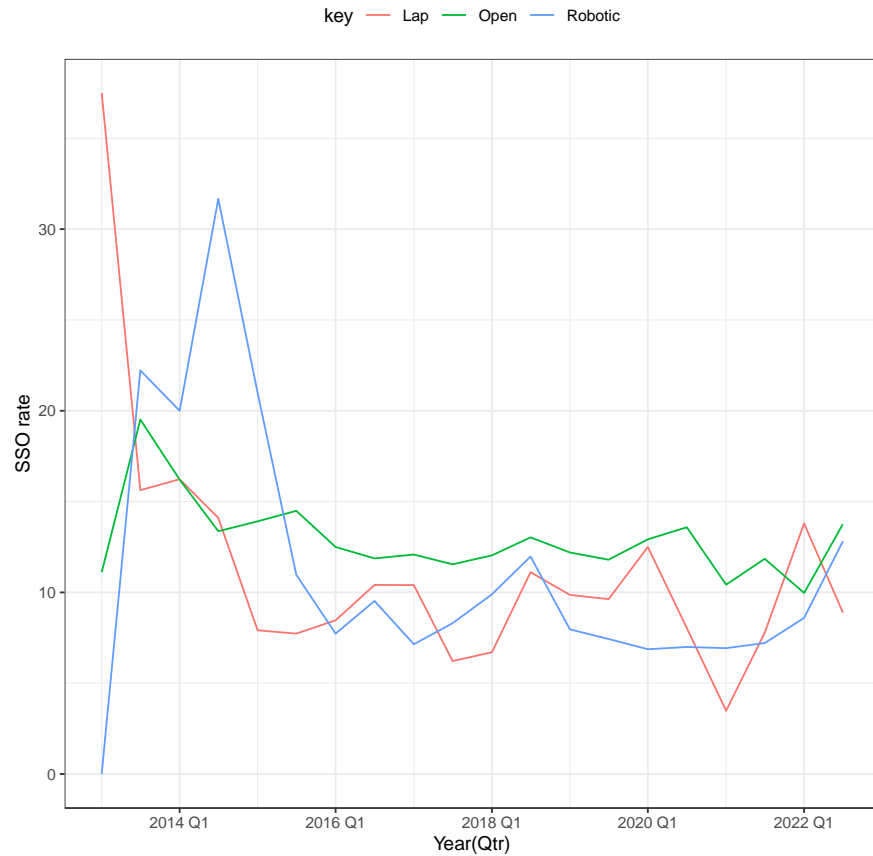


SSI

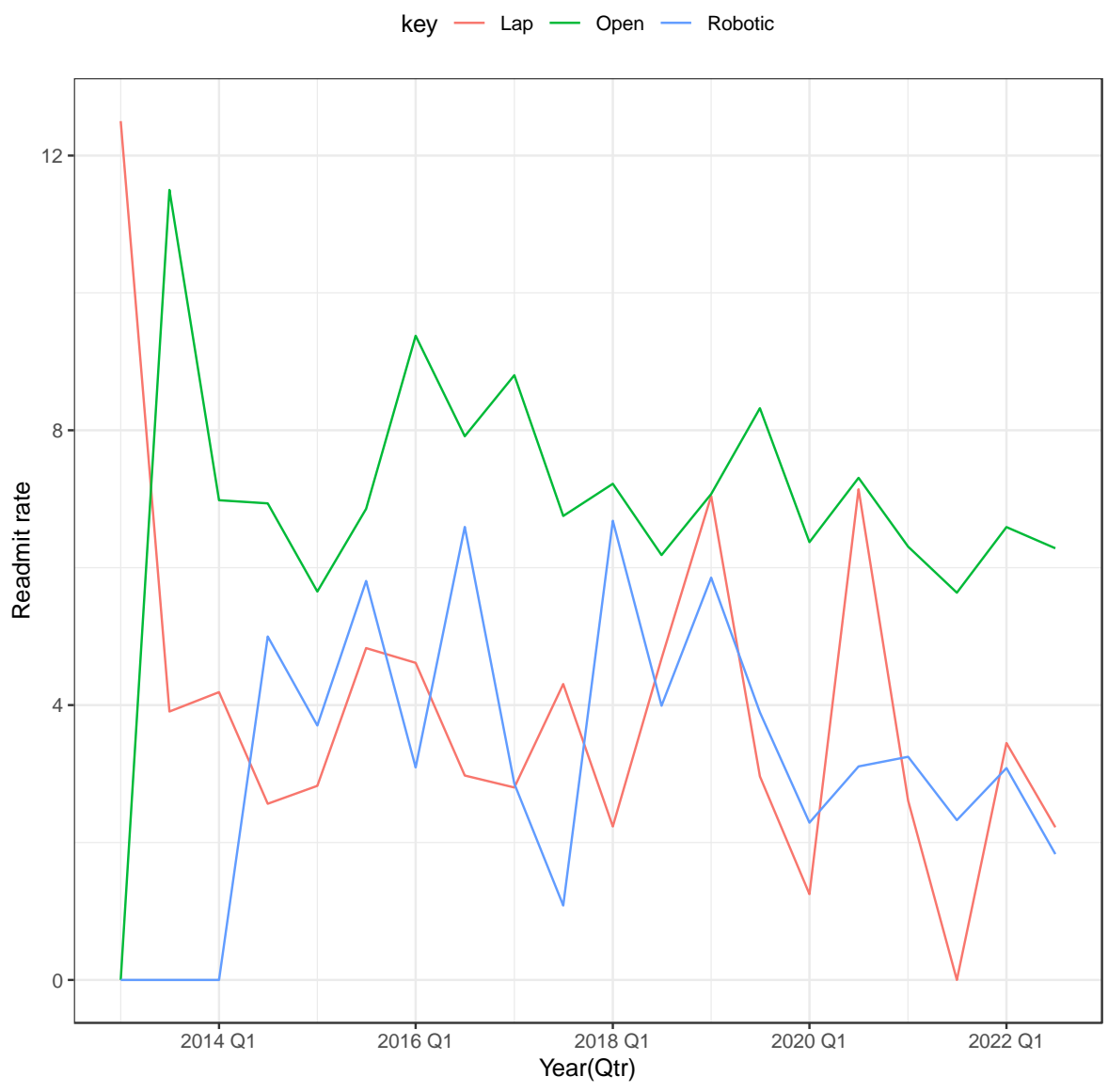
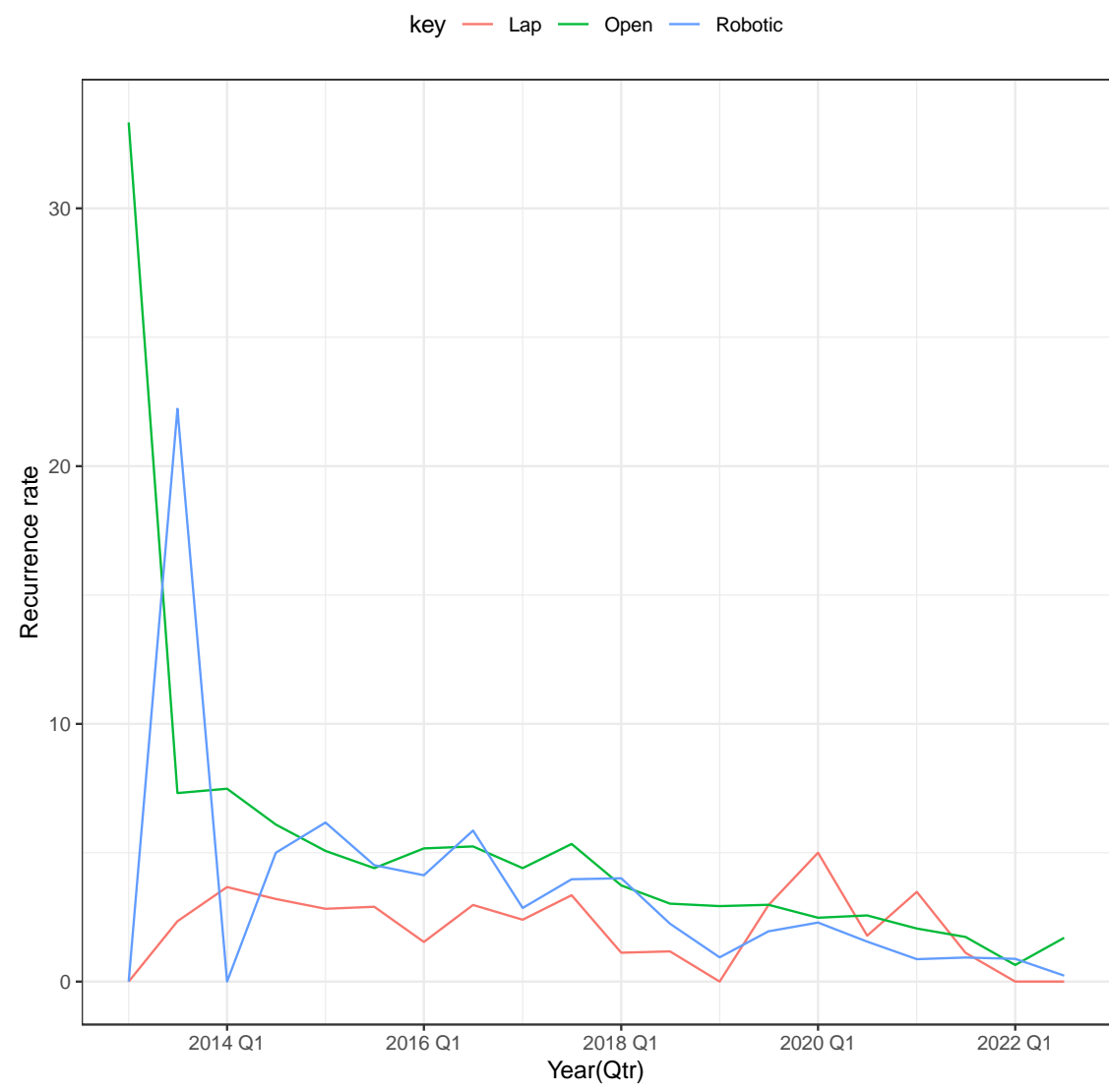


SSO and SSOPI

key — Lap — Open — Robotic



Recurrence and Readmission rate



Conclusions

- Open repair is still the go-to approach
- Robotics are here to stay
- Fascial closures 🖱️
- Preferred mesh - Permanent synthetic
- Common approach – Retromuscular and IPUM
- Decreased complications with MIS approach
 - SSI
 - SSOPI
 - Readmission
- Length of Stay ↓

Acknowledgement

❖ Sharon Phillips

❖ Diego Lima

❖ ACHQC

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