



SLS NOW

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Looking to the Future



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This Newsletter is Interactive. Look for the





MIS²⁰₂₃
WEEK

October 4 - 7, 2023
Wyndham Lake Buena Vista
Disney Springs® Resort Area
Lake Buena Vista, Florida, USA

Improved Morbidity, Mortality, and Cost with Minimally Invasive Colon Resection Compared to Open Surgery

JLS (2022) 26(2):00092

Review Article

Hazim Hakmi, MD, Leo Amodu, MD, MPH, Patrizio Petrone, MD, PhD, MPH, MHSA, Shahidul Islam, DrPH, MPH, Amir H. Sohail, MD, MPH, Michael Bourgoin, MA, Toyooki Sonoda, MD, and Collin E. M. Brathwaite, MD, MS

Abstract

Background and Objectives:

Despite the growth of minimally invasive surgery (MIS) in many specialties, open colon surgery is still routinely performed. The purpose of this study was to compare outcomes and costs between open colon and minimally invasive colon resections.

Methods:

We analyzed outcomes between January 1, 2016 and December 31, 2018 using the Vizient® clinical database. Demographics, hospital length of stay, readmissions, complications, mortality, and costs were compared between patients undergoing elective open and minimally invasive colon resections. For bivariate analysis, Wilcoxon ranksum test was used for continuous variables and χ^2 test was used for categorical variables. Multiple Logistic and Quintile regression were used for multivariable analyses.

Results:

A total of 88,405 elective colon resections (open: 56,599; minimally invasive: 31,806) were reviewed. A significantly larger proportion of patients undergoing minimally invasive surgery were obese (body mass index > 30) compared to those undergoing open surgery (71.4% vs. 59.6%; $p < 0.0001$). As compared to minimally invasive colectomy, open colectomy patients had: a longer median length of stay [median (range): 7 (4–13) days vs. 4 (3–6) days, $p < 0.0001$], higher 30-day readmission rate [$n = 8557$ (15.1%) vs. 2815 (8.9%), $p < 0.0001$], higher mortality [$n = 2590$ (4.4%) vs. 107 (0.34%), $p < 0.0001$], and a higher total direct cost [median (range): \$13,582 (9041–23,094) vs. \$9013 (6748–12,649), $p < 0.0001$]. Multivariable models confirmed these findings.

Conclusion:

Minimally invasive colon surgery has clear benefits in terms of length of stay, readmission rate, mortality and cost, and the routine use of open colon resection should be reevaluated.

Keywords: Colorectal surgery, Open approach, Laparoscopic, Robotic, Minimally invasive surgery

With an estimated 2% annual increase in incidence of colorectal cancer among patients aged less than 50 years and the high prevalence of diverticular disease, the overall volume of colon procedures has been rising.^{1,2} In the early 1990s, laparoscopic colorectal surgery, despite its longer operative time, was determined to be a safe alternative to open resection, and was associated with decreased postoperative morbidity and shorter length of hospital stay.^{3,4} In

recent years, the widespread use of robotic surgery in various surgical specialties has also led to the adoption of robotic surgery in the field of colon surgery, with a fourfold increase in robotic-assisted colorectal procedures witnessed between 2009 and 2012.^{5,6} Current practice in colon surgery includes all three surgical approaches (open, laparoscopic, and robotic). Open approach is still believed to be the gold standard in technically challenging cases when the procedure ...

To read more of this article, please [click here](#).

SLS FELLOWSHIP FOCUS: SLS FELLOWSHIPS IN ADVANCED ENDOMETRIOSIS

Location: Seckin Endometriosis Center, New York, NY

Program Director: Tamer Seckin MD

Associate Program Director: Amanda Chu, MD

OTHER AVAILABLE SLS FELLOWSHIPS

Fellowship in Minimally Invasive & Robotic Surgery in Gynecology & Reproductive Surgery

Director: Camran Nezhat, MD - Palo Alto, CA

Fellowship in Minimally Invasive & Robotic Surgery in Gynecologic Benign & Malignant Pathologies

Director: Farr Nezhat, MD - New York, NY

Fellowship in Minimally Invasive & Robotic Surgery in Gynecology and Reproductive Surgery

Director: Ceana Nezhat, MD - Atlanta, GA

SLS Fellowship in Advanced Minimally Invasive and Endoscopic Techniques in General and Colorectal Surgery

Director: Jiri (George) Melich, MD, FRCS(C) - Vancouver, BC, Canada

Florida Surgical Specialists Enhanced General Surgery Fellowship: Advanced Laparoscopic and Robotic Foregut, Hernia and Colorectal Fellowship

Director: Paul Toomey, MD & Riva Das, MD - Bradenton, FL

The Marchand Institute for Minimally Invasive Surgery and Steward Health Mountain Vista Medical Center Affiliated Fellowship Program in Minimally Invasive and Robotic Gynecologic Surgery

Director: Hadia Awad, MD

Minimally Invasive Gynecologic Surgery Fellowship (FMIGS) of South Florida

Director: Emery Salom, MD - Miramar, FL

Carlos Pellegrini and Brant Oelschlagel Surgical Simulation Fellowship

Director: Robert Sweet, MD - Seattle, WA



The Seckin Endometriosis Center (SEC) is excited to announce its endometriosis surgical fellowship.

There is a desperate need for specialized surgeons to treat endometriosis, a complex disease that many including the medical and scientific communities as well as patients understand poorly.

Under the direction of Tamer Seckin, MD, FACOG, the fellowship will operate between North Shore University Hospital, Lenox Hill Hospital, and Seckin Endometriosis Center.

North Shore University Hospital is associated with Zucker School of Medicine at Hofstra/Northwell. Dr. Seckin is a pioneer and advocate in the field of endometriosis and dedicates his high-volume practice exclusively to the diagnosis and treatment of endometriosis.

He has been in private practice for over thirty years and specializes in advanced laparoscopic procedures. The medical community recognizes him for his expertise in complex cases of deep infiltrating endometriosis (DIE) of the pelvis. Particularly, he dedicates himself to performing fertility-preserving surgeries on cases involving the ovaries.

The SLS Fellowship in Advanced Endometriosis at the Seckin Endometriosis Center is a comprehensive two-year program incorporating clinical, research and educational activities. The primary training goals are to improve patient care, advance scientific knowledge in the field and teach advanced endoscopic skills.

[Click to apply to this or any of our SLS Fellowships](#)

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● ● ● Wednesday, September 7, 2022

Kicking off MISWeek 2022, attendees learned from the experts in our Didactic and Hands-On Skills Courses. With the modern training facilities of LSU Health, we learned new techniques in CO2 laser MIS surgery, minilaparoscopy, and advanced laparoscopic suturing. Returning back to the Roosevelt, finally face-to-face after so many years online, we celebrated the excellence of our SLS Members as we awarded our Outstanding presentations awards and congratulated our graduating fellows. It was an exciting introduction to the discoveries and knowledge to be shared over the next 3 days amongst our global attendees.





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Thursday, September 8, 2022

With the Exhibit Hall brimming with exhibitors and our curious attendees, our morning was off to a great start. The day was filled with a extensive series of lectures from the experts highlighting current problems in general surgery, how to address issues with acute and chronic abdominal and pelvic pain, and the impact of the marijuana and opioid crisis on surgical care. Coming together as colleagues, we discussed the source of surgical complications, whether it be man, machine, or both. We also discussed what makes a great team in the operating theater. Rounding off the day, our fantastic attendees presented the latest research and case reports in general surgery and the multispecialty world. We ended the day's sessions learning perspectives from our global members around their world and insight and approach to all minimally invasive disciplines. As a space to build your network, new SLS members and our fellows and residents networked at our Meet & Greet.





Friday, September 9, 2022

Half-way through MISWeek and there was still so much to see and do! We came together to learn how to develop new skills in minimally invasive surgery and transfer them to the future of MIS through coaching and mentoring. Recognizing the multi-disciplinary elements of MIS, we explored perspectives in cross-collaboration. Never without a surprise, our popular Surgical Surprises session astonished us with the unexpected and how to attack them. Our last lecture of the day focused on state of the art lectures in robotic surgery from the experts.

Continuing from yesterday, our day ended with the latest research and case reports in gynecology and general surgery. Highlights included presenting the awards for the Best Poster Presentation, Best Poster Presentation by a Resident, and Best Poster Presentation by a Student.





Saturday, September 10, 2022

This year, the Society of Laparoscopic and Robotic Surgeons had the honor of bestowing the EXCEL Award to Gustavo L. Carvalho, MD, MSc, MBA, PhD. Dr. Carvalho is recognized for his works in laparoscopy, especially in hernia, antireflux, re-do surgery and minilaparoscopy. After modifying the original technique into what now is called clipless-mini, Dr. Carvalho set up a new standard for mini using the new low friction minilaparoscopic instruments.

2022 marks the inaugural year of a new award: The Janis Chinnock Wetter Award. Janis worked tirelessly along with Dr. Paul Wetter to foster education, understanding and training for what they both saw as a revolutionary advance in surgical care during nearly three decades of service in The Society of Laparoendoscopic Surgeons with their mutual goal of improving healthcare and outcomes for surgical patients worldwide, by creating continuing education, journals, textbooks, and programs that have contributed to great advances in surgical care globally.

Our Future Technology Keynote speaker was Sam Glassenberg, Founder and CEO, Level Ex. Sam has spent his career leading teams and companies at the cutting edge of the video game industry. Today his team at Level Ex harnesses video game technology and cognitive neuroscience to engage and train over 750,000 medical professionals. Sam serves on numerous industry advisory boards and speaks internationally on video games in medicine.

In closing, we celebrated outgoing President Mona Orady, MD and passed the presidential gavel to incoming president Paul Toomey, MD. We announced the results of the Board of Trustee elections and the approval of the proposed amendments to the bylaws.

We would like to thank all our attendees, presenters, moderators, exhibitors, sponsors, and all of the companies that provided educational grants and in-kind support. Their continued commitment and passion for the field of minimally invasive surgery and robotics is what inspires and motivates the members of SLS every day.



The Medical Educator Consortium Award for Best Scientific Paper

Vince Butano, MD

Laparo-Endoscopic Single Site (LESS) Surgery in General Surgery: A Comprehensive Review

Michael S. Kavic Award for Best Scientific Paper by a Resident

Tuan Tran, MD

The Application of Robotic Surgical Platforms in Bariatric Surgery – A Comparison of Efficacy and Outcomes in a Select Patient Population

Paul Alan Wetter Award for Best Multispecialty Scientific Paper

Ravi Munver, MD

Artificial Intelligence Facilitates the Creation of Virtual 3D Anatomical Kidney Models for Laparoscopic or Robotic Donor Nephrectomy in Patients that were Previously Precluded from Donation based on Computed Tomography Angiography or Magnetic Resonance Imaging

Harrith M. Hasson Award for Best Presentation Promoting Education or Training

Francia Frang, BS

Laparoscopic Experience for General Surgery Residents During the COVID-19 Pandemic

Carl J. Levinson Award for Best Video

Audrey Hand, MD

Robotic Inguinal Hernia Tips and Tricks

Gustavo Stringel Award for Best Pediatric Surgery Presentation

Erin Issacson, MD

Robotic Platform Excision of Pelvic Peritoneal Endometriosis in PAGS (Pediatric Adolescent Young Adult) as a Safe Valid Modality for Treatment

Gustavo Stringel Award for Best Poster

Natasha Alligood-Percoco, MD

Implementation of Robotic Surgery in a Rural Setting: Impact on Need for Assistant Surgeon and Route of Hysterectomy

Gustavo Stringel Award for Best Poster by a Resident

Roberto Torres-Aguiar, MD

Incarcerated Diaphragmatic Hernia in an Adult Patient

Gustavo Stringel Award for Best Poster by a Student

Yunus Tekin, DO

Case Report: A Rare Cause of Cholecystitis

Best General Surgery Scientific Paper

Tuan Tran, MD

The Application of Robotic Surgical Platforms in Bariatric Surgery – A Comparison of Efficacy and Outcomes in a Select Patient Population

Best General Surgery Video

Carl Doerhoff, MD

Flip Stitch

Best Gynecology Scientific Paper

Hava Starkman, MD, BScH

Virtual Mindfulness-Based Therapy for the Management of Endometriosis Chronic Pelvic Pain: A Novel Delivery Platform to Increase Access to Care

Best Gynecology Video

Shadi Seraji, MD

Robotic Assisted Laparoscopic Rectovaginal Fistula Repair After Previous Failed Endoscopic Attempt

Best Urology Video

Chih Peng Chin, BS

Robotic Single-Port Donor Nephrectomy of Multiple Renal Arteries

Best Urology Scientific Paper

Ravi Munver, MD

Artificial Intelligence Facilitates the Creation of Virtual 3D Anatomical Kidney Models for Laparoscopic or Robotic Donor Nephrectomy in Patients that were Previously Precluded from Donation based on Computed Tomography Angiography or Magnetic Resonance Imaging

Best Multispecialty Video

Randeep Kashyap, MD, MPH

Rehearsal Training Platform for Robotic Assisted Transplant Nephrectomy for a Failed Kidney Allograft

Thank You to Our Sponsors!

SLS would like to thank all our sponsors for their generous support.

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In addition, SLS would like to thank those who have provided in-kind support and educational grants.

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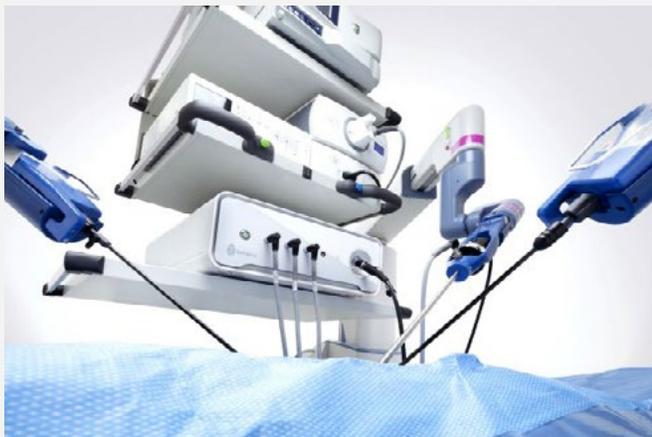
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SLS would like to thank the following exhibitors.

Aesculap Inc.
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iMerit Technology
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Northgate Technologies Inc./NTI
Pall Corporation
Progressive Medical Inc.
Sharp Fluidics

INNOVATION OF THE YEAR AWARDEES



We congratulate Asensus Surgical for their Innovation of the Innovation of the Year Award for their Asensus's Intelligent Surgical Unit™ T2.7 presented at Minimally Invasive Surgery Week 2022.



We congratulate Northgate Technologies, Inc. for their Innovation of the Year Award, for the NEBULAE® Smoke Removal System (SRS), presented at Minimally Invasive Surgery Week 2022.

Disclaimer: SLS recognizes the most innovative products of the past year that have a multidisciplinary application in minimally invasive surgery. Innovations of the Year are announced at SLS' Minimally Invasive Surgery Week 2022 (MISWeek 2022). These products are selected to recognize excellence in innovation. SLS does not endorse or approve any products and these selections are provided solely for informational purposes. Surgeons should investigate any new equipment for safety and suitability for their particular practice and needs.

Outstanding MIS Residents

Each year, residency training program department heads are asked to nominate one resident surgeon from their program to receive the SLS Outstanding MIS Resident Award. SLS proudly recognizes the following awardees.

Colon/Rectal Surgery

Laura E. Cooper, MD

General Surgery

Caitlyn Diana Braschi, MD
Michael David Clark, MD
Robert Conrad, MD
Mina Ibrahim, MD
Thomas L. Kennedy, MD
Nick Charles Levinsky, MD
Zeyad M. Loubnan, MD
Patrick Hunter Meyer, MD
Reid I. Sakamoto, MD
Dessislava Stefanova, MD
David You, MD

Gynecology

Emily Mae Webster, MD
Maryam Baikpour, MD
Virginia Flatow, MD
Mikaela S. Katz, MD
Hannah Moery, MD
Megan Sumida, MD
Daniel Vesco, DO
Jayla Watkins, MD
Youssef Youssef, MD
Obstetrics & Gynecology
Anum Abbasi, MD
Lauryn Brittany Adams, MD
Alexander Daniel Almeida Larrea, MD
Molly Anne Amero, MD
Erika L. Arceneaux, MD
Emily Auran, MD
Tania Aziz, MD
Kristi Balavage, MD
Lisa Marie Bird, MD
Emily E. Blake, MD
Yaniv Yosef Brailovschi, MD
Joshua Stewart Brunton, DO
Caledonia Kathleen Buckheit, MD
Alexandra Buffie, MD
Lindsay E. Chatfield, MD
Louisa Chatroux, MD
Judy Chen, MD
Jillian B. Claire, MD
Alexandria Connor, MD
Tonia Contelmo, DO
Carley Cost, DO
Christopher Sean Cowden, MD
Grace Crane, MD
Allison De Long, MD

Esra Demirel, MD
Lisa M. Desmond, MD
Niccia C. DiTrapano, MD
Jordann-Mishael Duncan, MD
Jordan Emont, MD
Molly Flanagan, MD
Lyudmila Ganatra, DO
Erika Gazzetta, MD
Joshua Sunny George, MD, MPH
Reema Ghatnekar, MD
Alexa Giacobbo, DO
Allison Green, MD
Maya Gross, MD
Amal Hamdan, MD
Kacey M. Hamilton, MD
Martha Harrison, MD
John Hayden, MD, MS
Brittany Heck, MD
Sharon Heichman, MD
Carilyn Anne Hoffman, MD
Jazmin Horne, MD
Jordon Howe, MD
Annie Hsiao, MD MBA
Carolyn Huang, MD
Kaitlin Hufstetler, MD
Alexander C. Hughes, MD
Stephanie H. Hur, MD
Brooke Hyman, MD
Erin Jun, DO
Ruchi Karsalia, MD
Cassandra Kelly, MD
Alexandra Kiefer, MD
Lily Kim, DO
Kaitlyn Kincaid, MD
Courtney N. Knill, MD
Kateryna Kolesnikova, MD
Katherine E. Kostroun, MD
Emily LaBerge, MD, MPH
Gianna Le, MD
Margot Le Neveu, MD
Marie-Claire Leaf, MD
Ryan Lena, MD
Lindsey LePoidevin, MD
Ann Lozier, MD
Oscar Lugo-Gonzalez, MD
Amanda Kay Malik, MD MPH
William Manning, MD
Mackenzie Marley, DO
Mariana Ximena Martinez Telleria, MD
Mary McGue, MD

Camille Meehan, DO
Scott J. Merrill, MD
Sarah Elizabeth Murphy, DO
Bilal Ahmed Muzaffar, MD
Angela Nolin, MD
Adekorewale Odulate-Williams, MD
Alicia Palmieri, DO
Reeya Patel, DO
Alexandra Jordan Douglas Phelps, MD
Jaclyn Piszczek, MD
Katherine N. Prowell, DO
Laura Lorraine Rasmussen, MD
Briana Cilia Rice, MD MPH
William Logan Riley, MD
Nafeeshathul Riyaj-Ahamed, MD
Hannah Tomiko Ryles, MD
Laura Salonia, DO
Adrienne Schmidt, MD
Kelsey C. Schmidt, MD
Jerome W. Seitz, MD
Alia Shah, MD
Neha Sharma, MD
Sarah Shi, MD
Beatrice R. Soderholm, DO
Nicholas R. Tackett, DO
Kiana Teng, MD
Elizabeth Thayer, MD
Anne Tjaden-Peiffer, MD
Taylor Twiggs, MD
Marvin Uthaman, MD
Katharine Veale, MD
Sarah Vincent, MD PhD
William Vintzileos, MD
Paul Walden, MD
Allison R. Walker, MD
Victoria Wang, MD
Kaitlin Warta, MD
Taylor Reed Whitaker, MD
Alison C. Wiles, MD
Chloe A. Wood, MD
Lynette Wynn, MD MPH

Urology

Brian Chun, MD
Jeffery S. Lin, MD
Reza Nabavizadeh, MD
Michael Pezzillo, MD
Brian M. Shinder, MD
Tyler Stewart, MD
Abbigail Woll, MD

RENEW YOUR MEMBERSHIP TODAY!

“For the last 5 years I have had the opportunity to become involved with the SLS. As a urologist I have found the meetings extremely informative learning from my colleagues not just in Urology but also from the fields of General Surgery and Gynecology. It is the best collaborative meeting I have attended. Not only is the learning portion of the meeting exceptional but the people I have met nationally and internationally are truly professional whom I consider great friends as well.”

- Michael McDonald, MD

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- Network with a range of international affiliates & opportunities to exchange ideas, techniques & technologies
- Join the conversation on our blog & social media outlets

Publications to Keep You at the Forefront of MIS

- Digital Subscription to *JLS, Journal of the Society of Laparoscopic & Robotic Surgeons*
- Digital Subscription to *CRSLS, Case Reports Journal of the Society of Laparoscopic & Robotic Surgeons*
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Greetings from
ORLANDO

MIS²⁰₂₃
WEEK

October 4 - 7, 2023
Wyndham Lake Buena Vista
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