

Abdominal Core Health Quality Collaborative Foundation

2022

ANNUAL REPORT

ACHQCSM
ABDOMINAL CORE HEALTH QUALITY COLLABORATIVE

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TABLE OF CONTENTS

01	President's Message
02	Our Mission - 2022 Highlights
03	Growth
04	Leadership
05	Committees & Task Forces
06	Making a Difference in the Lives of Our Patients
07	Connection & Collaborative Learning
11	Impact
12	2022 Peer-Reviewed Publications
14	Foundation Partners



PRESIDENT'S MESSAGE



On behalf of the ACHQC Board of Directors, a sincere thank you to our patients, surgeons, clinical care teams, FDA leadership and Foundation Partners for your commitment and support of our Collaborative throughout 2022. After navigating through two years of pandemic disruption and uncertainty, this year ACHQC's course focused on connection and engagement with our patients, surgeon colleagues, clinical care providers, FDA leaders and Foundation Partners. In spite of the headwinds we and others faced, we kept our mission to enhance patient care at the forefront of all ACHQC activities and we accomplished great things. This Annual Report will highlight some of our noteworthy achievements. Most importantly, we include the voices of our patients, who are the core of ACHQC's mission. Their words speak volumes and motivate us to continue to uncover opportunities to improve and enhance their quality of life.

In less than ten years since inception, the Abdominal Core Health Quality Collaborative (ACHQC) has grown into the nation's largest repository of real-world data on hernia surgical outcomes. Midyear, the ACHQC celebrated two significant milestones – the 100,000th case entered and the 100th peer-reviewed publication utilizing the wealth of high quality data collected in the ACHQC Registry. Reaching these notable accomplishments is a testament to the tremendous impact of collective focus and commitment to the pursuit of enhanced patient care.

Along with many organizations, in 2022 we found ourselves returning to some sense of normalcy; resuming in-person educational events while continuing to deliver online programs that allowed us to connect with others across the country and around the globe. In April, I was thrilled to personally welcome attendees to our 4th Annual Quality Improvement Summit in Denver. The QI Summit is a weekend of truly collaborative, interactive learning where we analyze data, identify tips from high performers and share practices for quality improvement in patient care. As a result of the work we began in 2021 which linked the Distressed Communities Index (DCI) with ACHQC Registry data, an entire session at the QI Summit focused on the critical need to understand disparities due to socioeconomic status and healthcare availability and we discussed opportunities to improve experiences of diverse patient populations. Another highlight of the weekend was a talk by one of our Patient Engagement and Advocacy Committee members who inspired us with his thoughts on improving patient communication and hopes for future research. Feedback from all ACHQC stakeholders was extremely positive, and the QI Summit received excellent marks in our post-event survey. The 2023 QI Summit promises to build on this momentum, fulfilling the ACHQC's mission of improving quality and value for patients.

In 2022, ACHQC's Resident & Fellows Committee took the reins of our monthly online QC Core Insights series. I'm so proud of this dedicated group of residents and fellows for designing a fantastic curriculum focused on fundamental and advanced topics within our specialty of Abdominal Core Health. All QC Core Insights webinars are recorded and available free of charge for "on-demand" viewing on the ACHQC website and YouTube channel. I encourage you to check out this terrific content which offers a high-level educational experience for all.

Next year will mark 10 years since ACHQC's inception. As we look ahead to celebrating this major event, I want to take a moment to thank and recognize our Executive Director, Carol Goddard, who retired this year. Carol helped steer the Collaborative since our inception, and we will miss her guidance, dedication and warm wit.

Once again, thank for your support of the ACHQC. I hope you are inspired by the positive impact of collaboration and invite you to join us as we celebrate a "Decade of Data" in 2023.

Michael J. Rosen, MD

OUR MISSION

The mission of the ACHQC is to maximize the quality and value of health care for patients who suffer from hernia disease and diseases of the abdominal wall or abdominal core.



Ben Poulouse, MD, Jake Greenberg, MD, Caprice Greenberg, MD, Sudha Pavuluri Quamme, MD, and Mike Rosen, MD attend peer coaching session.

2022 HIGHLIGHTS

Topped 106,000 patients in the ACHQC registry

Surpassed 100 peer-reviewed journal publications

Hosted 4th Annual QI Summit with all stakeholders represented

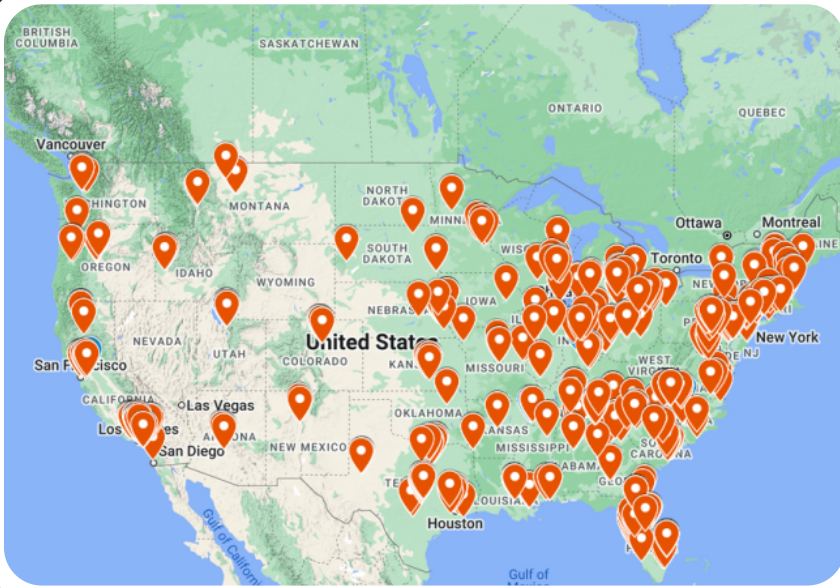
Residents & Fellows monthly QC Core Insights Series

Over 1000 ACHQC mobile app downloads across 5 continents

13 embedded registry-based research studies

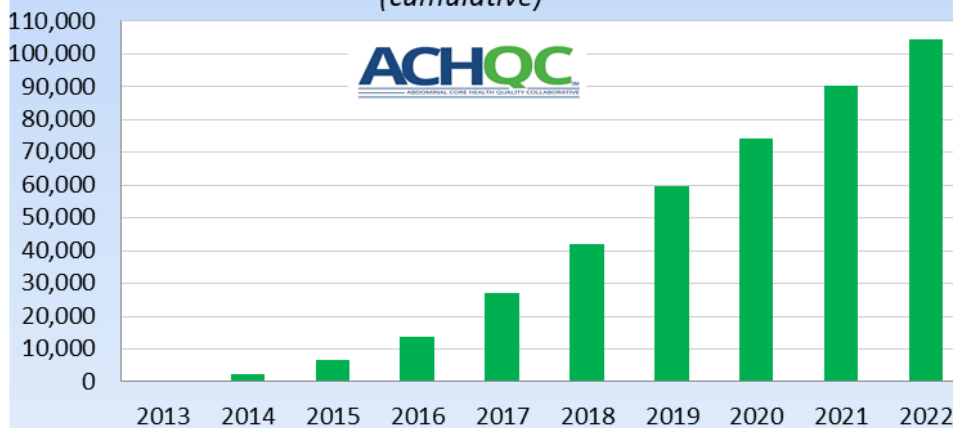
2022 GROWTH

The ACHQC Registry captures extensive information on numerous surgical procedures for abdominal core diseases including ventral and inguinal hernia repairs. Cumulatively, millions of clinical data points collected from over 106,000 cases are held securely in the ACHQC Registry. Surgeons from across the US contribute to this quality improvement initiative.



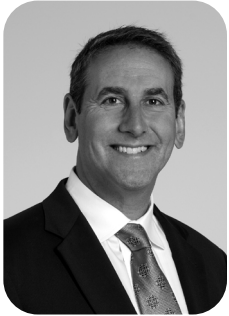
“Thank you for your professionalism and dedication to helping your patients!!”
- ACHQC Patient

Number of Patients
(cumulative)



LEADERSHIP

ACHQC is proud to have a diverse Board of Directors who are dedicated to advancing the field of abdominal core health.



Michael Rosen, MD
President
ACHQC Medical Director



Benjamin
Poulouse, MD, MPH
Vice President
ACHQC Director of
Quality & Outcomes



Jeremy Warren, MD
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Carol Goddard
ACHQC Executive Director



Nicole Goddard
ACHQC Privacy & Security



Aileen Beckler
ACHQC Program
Coordinator

COMMITTEES & TASK FORCES

ACHQC offers opportunities for members to take an active role in shaping our Collaborative through participation on a wide range of committees and strategic task forces. Committee volunteers share knowledge, individual perspectives and expertise while gaining new personal connections and enriching their professional development.

COMMITTEE/ TASK FORCE	CHAIR(S)	MISSION
Compliance	Nicole Goddard	To ensure collaborative operations meet regulatory, legal, and current operational standards
Data Assurance	Benjamin Poulouse, MD, MPH	To assure completeness and accuracy of collaborative data
Data Integration	Clayton Petro, MD Jeremy Warren, MD	Improve usability and ROI for surgeons entering data into the QC
Data Use & Publications	Corey Deeken, PhD	To ensure fair and equitable access to collaborative data
Development	Michael Reinhorn, MD, MBA Nicole White, MD	To identify, explore and cultivate philanthropic opportunities to support the Collaborative's efforts to enhance patient care and improve abdominal core health.
Hiatal Hernia Task Force	Rebecca Petersen, MD, MSc	To identify appropriate variables and quality metrics related to hiatal hernia repair and lead development of a hiatal hernia module within the ACHQC Registry.
Membership Inclusivity Surgeon Outreach	Todd Harris, MD David Krpata, MD	Develop resources and programs to encourage and support diversity and inclusivity within the QC. Continually touch-base with surgeons in the QC to assure we are meeting their needs
Opioid Task Force	Michael Reinhorn, MD, MBA	Impact the opioid epidemic by reducing opioid prescribing and consumption. Partner with patients to set realistic expectations about postoperative pain and pain management
Patient Engagement & Advocacy	Harriet Schwartzman Eric Beauford	Identify key areas to improve patient outcomes and increase patient education
Quality Improvement	Ragnar Peterson, MD	Provide comprehensive, real-time ongoing assessment of improving quality within the QC. Identify annual Quality Improvement efforts to disseminate to the QC
Research	Richard Pierce, MD, PhD	Oversees and sets the agenda for Embedded Registry Studies and/or Multi-Center Prospective Studies
Residents & Fellows	Kaela Parnell, MD	Enhance resident and fellow participation in the QC. Allow easy transition from residency/fellowship to attending and engagement in the QC
Variables & Definitions	Eric Pauli, MD Ajita Prabhu, MD	To maintain and update surgeon and patient user interfaces and variable definitions

MAKING A DIFFERENCE IN THE LIVES OF OUR PATIENTS

Patients deserve access to information that can help in all stages of care – from pre-operative decision making to postoperative recovery optimization.

ACHQC delivers live and on-demand patient-focused, data-driven resources across many platforms and shares them freely on our website, YouTube channel and the ACHQC mobile app.

In 2022, downloads of the ACHQC mobile app reached globally across 5 continents. The ACHQC mobile app includes information to help patients understand and set appropriate expectations before and after abdominal surgery, and it includes pre-habilitation and post-surgical rehabilitation guides that provide patients with information, videos and timeline to help with their surgical recovery.

“As a patient, the ACHQC mobile app, with its exercise videos and lifestyle suggestions, was a very helpful tool that my hernia surgeon suggested I use to facilitate my recovery.”

SPOTLIGHT: OUR PATIENTS’ VOICE

Understanding and improving patient outcomes is the ultimate goal of all ACHQC activities. One of the best indicators of our performance is direct feedback from our patients.

As a Collaborative, we continually learn from patients, listen to their comments, and try to characterize what is most important to individuals with unique perspectives. Through these efforts, ACHQC identifies meaningful opportunities to improve care and enrich the patient experience.

“I enjoy giving critical feedback for doctors and facilities to improve on patient care experiences. This (ACHQC) site is so important in future and current procedure and treatment results as we push forward on improved care as well as recuperation and healing.”

“Hernia repairs have to be tailored to each individual patient and circumstance”

“I am very inspired by our ACHQC doctors for going beyond the call of duty and taking time to share best practices and conduct research on how to improve the outcomes for hernia patients”

Jon Parker
ACHQC Patient Advocacy Committee



“Thank you for your professionalism and dedication to helping your patients!!”

“I joined the ACHQC Patient Engagement & Advocacy Committee as a way to stay informed of the latest developments in hernia patient care and also to offer insight from my experiences as a patient in hopes of helping others navigate their care.”

*No two patients are exactly alike
“It seems that the “hernia world” as a whole – mesh industry, surgeons, prehab and rehab – is moving in the right direction for more individualized care.”*

“Comparing our data to the ACHQC database allows us to see what makes our patients unique, and gives us the opportunity to best cater towards them. It also is a method for us to hold ourselves accountable and transparently share our data with patients, insurance providers, and other doctors alike.”

– ACHQC Participating Surgeon

“The ACHQC gives patients an opportunity for our voices to be heard by the surgeons and mesh manufacturers.”

CONNECTION & COLLABORATIVE LEARNING

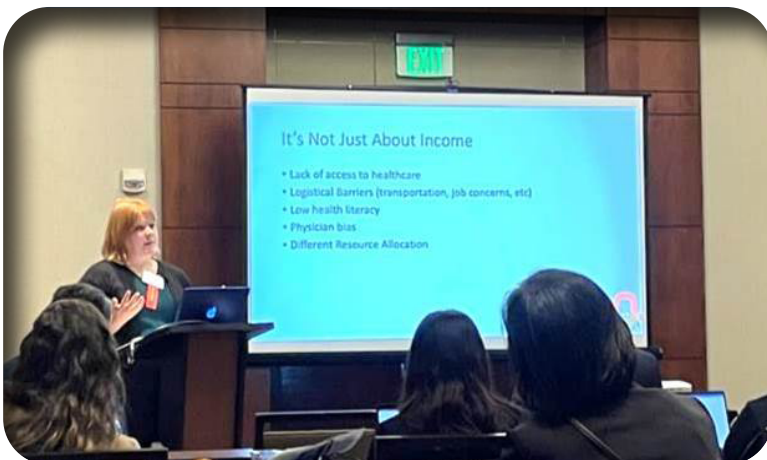


Mike Rosen, MD kicks off 4th Annual QI Summit

SPOTLIGHT: 4TH ANNUAL QI SUMMIT RETURNS IN PERSON

In April, ACHQC was thrilled to host our 4th Annual Quality Improvement Summit which returned to an in-person format. Attendees from across the US convened in Denver, CO for a weekend of collaborative learning, networking and peer-mentoring with practitioners dedicated to continually improving the quality of care delivered to patients with abdominal core conditions.

Top-performers within the Collaborative shared their approaches to challenging clinical scenarios and offered data-driven considerations which can assist in planning a patient's pre-, peri- and post-operative treatment course.



Courtney Collins, MD, MS, FACS presenting pioneering research, linking QC data with the Distressed Communities Index (DCI) to assess the effect of community distress on ventral hernia outcomes.

ATTENDEE FEEDBACK

"Excellent - Thank you so much for doing all this data driven work!"

"Fantastic meeting. My favorite to attend."

"Great weekend. Worth time investment!"

"I learned a tremendous amount!"

"My main priority for attending was meeting the ACHQC members in person, exchanging information and understanding the scope of the research and all the activities the ACHQC is leading."

Research on health disparities and opportunities to improve diverse patient experiences was highlighted at the QI Summit. Analyses of particularly high-risk populations, including veterans and elderly patients, demonstrated measurable differences in outcomes including post-operative complications and quality of life among those living in distressed communities.

One of the QI Summit's hot topics was post-market surveillance of mesh and other medical devices used in hernia surgery and how the ACHQC can play a pivotal role in redefining post-market surveillance in the United States. A panel discussion dedicated to this challenging subject included speakers encompassing all ACHQC stakeholders including FDA leadership, surgeons, patients and industry partners.

ACHQC surgeons have the opportunity to participate in a study evaluating quality improvement in surgical training. Led by Caprice Greenberg, MD, MPH, this new model of professional development uses surgical peer coaching via a video- based collaborative learning methodology.



ACHQC Patient Engagement & Advocacy Committee representative, Len Saxe, PhD, sharing thoughts for enhancing communication and education from the patients' point of view.



Ludo Boure, DVM, MSc, DACVS, DECVS shares Foundation Partner Thoughts on Post-Market Surveillance at the 4th Annual ACHQC QI Summit. Dr. Boure discussed the current post-market surveillance process in the European Union including the importance of real world data and clinical registries and his thoughts on approaches which could be incorporated into a similar model in the United States.

“As a volunteer on the ACHQC’s Patient Engagement & Advocacy Committee, I have been encouraged by how hernia surgeons, patients, and others on the committee work together with a common focus to explore more effective ways to improve patient outcomes.”



After a two year travel hiatus, attendees appreciated the opportunity to network and re-engage with peers during the QI Summit.



Caprice Greenberg, MD, MPH updates QI Summit attendees on the ongoing Agency for Healthcare Research and Quality (AHRQ) funded study evaluating Video-based Collaborative Learning to Improve Ventral Hernia Repair through peer coaching.

SPOTLIGHT: RESIDENT & FELLOW ENGAGEMENT AN INVESTMENT IN THE FUTURE

Recognizing that today's students represent future healthcare leaders, the ACHQC strongly encourages residents and surgical fellows involvement in the Collaborative. Participation offers trainees educational programs on abdominal core health, accessibility to cutting-edge real world research, and mentorship with recognized leaders in the field.

Congratulations to the 2022 Resident & Fellow Research Grant Recipient!

Each year, ACHQC awards a grant of \$2,500 to a resident, fellow, or medical student for research related to ventral and inguinal hernias using the ACHQC database.

The honored recipient of this grant in 2022 is Delaney Ding. Delaney is a MD, PhD student at the University of Florida, College of Medicine and mentored by Dr. Mazen Al-Mansour. Delaney will present his research, "Assessing the Impact of Individual Risk Factors in Predicting Surgical Outcomes of Ventral Hernia Repair: An Analysis Using the ACHQC Database" at the 2023 Quality Improvement Summit.



RESIDENTS & FELLOWS COMMITTEE

Are you a resident or fellow interested in
Abdominal Wall Reconstruction?

ACHQC Residents & Fellows Committee provides:

- Access to potential mentors in the AWR field
- Opportunity to be featured on QC Core Insights
Monthly meetings
- Research opportunities
- Networking with experts in AWR

Membership is Free!

email: mellanm@ccf.org to join



ACHQC AT THE AHS ANNUAL MEETING FOCUS ON EMBEDDED REGISTRY STUDIES

Over the years, the ACHQC has continued to streamline data-driven research by optimizing the process for collecting data with embedded registry studies. We were pleased to highlight some of these efforts at the 2022 American Hernia Society Annual Meeting in Charlotte, NC where Drs. Benjamin Poulouse and Ajita Prabhu moderated a live session dedicated to updates on ACHQC embedded registry studies. Informative presentations summarized the groundbreaking efforts of the ACHQC to answer key research questions using the high-level real world clinical data collected in the ACHQC Registry. Presentations included:

- [Open Versus Robotic Retromuscular Hernia Repair. The ORREO Trial](#)
- [Robotic IPOM Versus Robotic eTEP](#)
- [Antibiotic Irrigation to Reduce Wound Morbidity. The RINSE Trial](#)
- [Fixation Versus No Fixation for Open Retromuscular Hernia Repairs: Long Term Results](#)



QC CORE INSIGHTS

Our dedicated ACHQC Residents & Fellows Committee hosted the 2022 QC Core Insights lecture series. The Committee, composed of residents and fellows studying across the United States and Canada, designed and developed a curriculum which focused on fundamental and advanced topics within the specialty of Abdominal Wall Reconstruction. Key landmark papers and current literature, including ACHQC data for each topic, were discussed in highly interactive sessions.

QC Core Insights provides a high-level, educational experience free of charge. Each session is recorded and posted on the ACHQC website and YouTube channel, allowing for future viewing “on-demand”.

January	Mesh Part 1: What are the Options? Synthetic Mesh Data
February	Mesh Part 2: When to Use What? Biologic & Absorbable Synthetic Mesh Data
March	4th Annual QI Summit
April	Chronic Groin Pain
May	Abdominal Wall Anatomy: Truly Understanding and Applying It
June	Open Inguinal Hernias: Elective and Tough Situations
July	MIS Inguinal Hernias: Better Than Open Repairs?
August	VHR in the Contaminated Field and Approach to Mesh Infections
September	VHR in the Co-morbid Patient: What are the Risks and How to Counsel Patients?
October	Pre-operative Optimization for VHR
November	Adjunctive Measures to Loss of Domain Hernias
December	MIS VHR – Part 1: Laparoscopic Approaches and Data

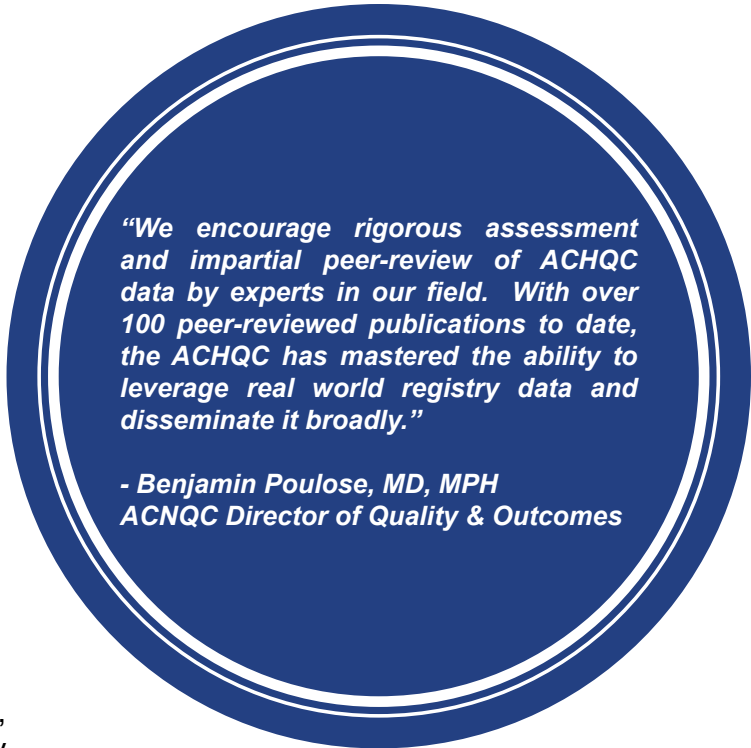
IMPACT

REAL WORLD RESEARCH

The ACHQC Registry is regarded globally as a trusted source of comprehensive, clinically relevant data. In 2022, a record 30 peer-reviewed papers were published utilizing the wealth of high quality data collected by the ACHQC. We surpassed the 100th publication milestone and closed the year with a total of 111 publications.

ACHQC OPIOID REDUCTION TASK FORCE RESEARCH RECOGNIZED AMONG SPECIALTY SOCIETIES IN GENERAL SURGERY

ACHQC Board Treasurer, Jeremy Warren, MD, was recognized at the “Best of the Best: Specialty Societies in General Surgery” virtual event in September. Dr. Warren presented “Predictors of Low and High Opioid Tablet Consumption After Inguinal Hernia Repair - an ACHQC Opioid Reduction Task Force Analysis”. The ACHQC Opioid Task Force performs critical analyses of opioid prescribing and usage data and disseminates crucial data-driven insights to surgeons and patients to help impact the ongoing opioid crisis.



“We encourage rigorous assessment and impartial peer-review of ACHQC data by experts in our field. With over 100 peer-reviewed publications to date, the ACHQC has mastered the ability to leverage real world registry data and disseminate it broadly.”

*- Benjamin Poulouse, MD, MPH
ACNQC Director of Quality & Outcomes*



Predictors of Low and High Opioid Tablet Consumption After Inguinal Hernia Repair
An ACHQC Opioid Reduction Task Force Analysis

Jeremy Warren, MD

September 14th

SPONSORED BY GLOBALCASTMD AND STAYCURRENTMD

2022 PEER-REVIEWED PUBLICATIONS

1. [The opioid reduction task force: using the ACHQC Data Registry to combat an epidemic in hernia patients.](#) R M Higgins, C C Petro, J Warren, A J Perez, T Dews, S Phillips, M Reinhorn. *Hernia*. 2022 Jan 17. doi: 10.1007/s10029-021-02556-9. [Epub ahead of print].
2. [Comparing rates of bowel injury for laparoscopic and robotic ventral hernia repair: a retrospective analysis of the abdominal core health quality collaborative.](#) J D Thomas, C K Gentle, D M Krpata, A S Prabhu, A Fafaj, S J Zolin, S E Phillips, S Rosenblatt, M J Rosen, C C Petro. *Hernia*. 2022 Jan 30. doi: 10.1007/s10029-022-02564-3. [Epub ahead of print].
3. [The Impact of the COVID-19 Pandemic on Sociodemographic Disparities in Rates of Elective Hernia Surgeries.](#) Rosen S, Phillips S, Gupta A, Pierce R. *Am Surg*. 2022 Mar 25;31348221082273. doi: 10.1177/00031348221082273. Epub ahead of print. PMID: 35337192; PMCID: PMC8960748.
4. [Biologic vs Synthetic Mesh for Single-stage Repair of Contaminated Ventral Hernias: A Randomized Clinical Trial.](#) Rosen MJ, Krpata DM, Petro CC, Carbonell A, Warren J, Poulouse BK, Costanzo A, Tu C, Blatnik J, Prabhu AS. *JAMA Surg*. 2022 Apr 1;157(4):293-301. doi: 10.1001/jamasurg.2021.6902. PMID: 35044431; PMCID: PMC8771431.
5. [Comparing Sugarbaker versus keyhole mesh technique for open retromuscular parastomal hernia repair: study protocol for a registry-based randomized controlled trial.](#) Miller BT, Thomas JD, Tu C, Costanzo A, Beffa LRA, Krpata DM, Prabhu AS, Rosen MJ, Petro CC. *Trials*. 2022 Apr 4;23(1):251. doi: 10.1186/s13063-022-06207-x. PMID: 35379311; PMCID: PMC8978433.
6. [Acceptability and barriers to adopting physical therapy and rehabilitation as standard of care in hernia disease: a prospective national survey of providers and preliminary data.](#) Renshaw S, Peterson R, Lewis R, Olson M, Henderson W, Kreuz B, Poulouse B, Higgins RM. *Hernia*. 2022 Apr 10. doi: 10.1007/s10029-022-02606-w. [Epub ahead of print].
7. [Long-term outcomes of seromas after ventral hernia repair: a propensity score-matched analysis of the Abdominal Core Health Quality Collaborative.](#) Miller BT, Baier KF, Zolin SJ, Huang LC, Phillips S, Petro CC, Beffa LRA, Krpata DM, Rosen MJ, Prabhu AS. *Hernia*. 2022 Apr 18. doi: 10.1007/s10029-022-02613-x. [Epub ahead of print].
8. [Are perioperative outcomes in cancer-related ventral incisional hernia repair worse than in the general population? An Abdominal Core Health Quality Collaborative \(ACHQC\) database study.](#) R Lamm, M A Olson, FPalazzo. *Hernia*. 2022 Apr 29. doi: 10.1007/s10029-022-02618-6. [Epub ahead of print].
9. [Effect of stapled versus layered skin closure on surgical site occurrences after abdominal wall reconstruction.](#) Bryana Baginski, Regan Van Metre, Quinn Elliott, Jeremy A Warren, J Alex Ewing, William S Cobb, Alfredo M Carbonell. *Surg Endosc*. 2022 May 12. doi: 10.1007/s00464-022-09260-4. [Epub ahead of print].
10. [Impact of insurance type in postoperative emergency department utilization and clinical outcomes following ventral hernia repair \(VHR\).](#) Savannah Renshaw, Dahlia Kenawy, Rosevine Azap, Anand Gupta, Benjamin Poulouse, Courtney Collins. *Surg Endosc*. 2022 May 18. doi: 10.1007/s00464-022-09287-7. [Epub ahead of print].
11. [Are Surgeons of the Abdominal Core Health Quality Collaborative Following Guidelines in Umbilical and Epigastric Hernia Repair?](#) Anna M Malysz Oyola, Justin Faulkner, Brandon Casas, William B Hooks, William W Hope. *Am Surg*. 2022 Jun 1;31348221091960. doi: 10.1177/00031348221091960. [Epub ahead of print].
12. [Round Ligament Management in Female Patients Undergoing Inguinal Hernia Repair: Should We Divide or Preserve?](#) Savannah Renshaw, Courtney Collins, Anand Gupta, Benjamin Poulouse, Kelly R Haisley. *J Am Coll Surg*. 2022 Jun 1;234(6):1193-1200. doi: 10.1097/XCS.000000000000207. Epub 2022 Apr 8.
13. [Effect of Intraoperative Urinary Catheter Use on Postoperative Urinary Retention After Laparoscopic Inguinal Hernia Repair: A Randomized Clinical Trial.](#) Fafaj A, Lo Menzo E, Alaedeen D, et al. *JAMA Surg*. 2022 Aug 1;157(8):667-674. doi: 10.1001/jamasurg.2022.2205. Epub 2022 Jun 15.
14. [Long-term Clinical and Patient-Reported Outcomes After Transversus Abdominis Release With Permanent Synthetic Mesh: A Single Center Analysis of 1203 Patients.](#) Samuel J Zolin, David M Krpata, Clayton C Petro, Ajita S Prabhu, Steven Rosenblatt, Samantha Rosen, Reid Thompson, Aldo Fafaj, Jonah D Thomas, Li-Ching Huang, Michael J Rosen. *Ann Surg*. 2022 Jul 6. doi: 10.1097/SLA.0000000000005443. Epub ahead of print].
15. [S-144 lack of association between glycated hemoglobin and adverse outcomes in diabetic patients undergoing ventral hernia repair: an ACHQC study.](#) Al-Mansour MR, Vargas M, Olson MA, Gupta A, Read TE, Algarra NN.

- Surg Endosc. 2022 Aug 15. doi: 10.1007/s00464-022-09479-1. [Epub ahead of print].
16. [Predictors of low and high opioid tablet consumption after inguinal hernia repair: an ACHQC opioid reduction task force analysis.](#) Perez AJ, Petro CC, Higgins RM, Huang LC, Phillips S, Warren J, Dews T, Reinhorn M. *Hernia*. 2022 Aug 29. doi: 10.1007/s10029-022-02661-3. [Epub ahead of print].
 17. [Short-term outcomes of robotic inguinal hernia repair during robotic prostatectomy - An analysis of the Abdominal Core Health Quality Collaborative.](#) de Figueiredo SMP, Tastaldi L, Mao RD, Phillips S, Lu R. *Am J Surg*. 2022 Sep 11:S0002-9610(22)00554-2. doi: 10.1016/j.amjsurg.2022.09.008. [Epub ahead of print].
 18. [Open Retromuscular Lateral Abdominal Wall Hernia Repair: An Algorithmic Approach and Long Term Outcomes at a Single Center.](#) Montelione KC, Petro CC, Krpata DM, Lau B, Shukla P, Olson MA, Tamer R, Rosenblatt S, Rosen MJ, Prabhu AS. *J Am Coll Surg*. 2022 Sep 15. doi: 10.1097/XCS.0000000000000419. [Epub ahead of print].
 19. [Posterior mesh inguinal hernia repairs: a propensity score matched analysis of laparoscopic and robotic versus open approaches.](#) Reinhorn M, Fullington N, Agarwal D, Olson MA, Ott L, Canavan A, Pate B, Hubertus M, Urquiza A, Poulouse B, Warren J. *Hernia*. 2022 Sep 20. doi: 10.1007/s10029-022-02680-0. [Epub ahead of print].
 20. [Community distress as a predictor of early hernia recurrence for older adults undergoing ventral hernia repair \(VHR\).](#) Renshaw SM, Olson MA, Poulouse BK, Collins CE. *Surg Endosc*. 2022 Sep 22:1-8. doi: 10.1007/s00464-022-09587-y. [Epub ahead of print].
 21. [S041-Trends and short-term outcomes of three approaches to minimally invasive repair of small ventral hernias. An ACHQC analysis.](#) Vargas M, Olson MA, Read TE, Al-Mansour MR. *Surg Endosc*. 2022 Sep 26. doi: 10.1007/s00464-022-09629-5. [Epub ahead of print].
 22. [Permanent vs Absorbable Mesh for Ventral Hernia Repair in Contaminated Fields: A Multicenter Propensity Matched Analysis of One-Year Outcomes Using the Abdominal Core Health Quality Collaborative Database.](#) Rodriguez-Quintero JH, Romero-Velez G, Lima DL, Huang LC, Sreeramoju P, Malcher F. *J Am Coll Surg*. 2022 Sep 27. doi: 10.1097/XCS.0000000000000433. [Epub ahead of print].
 23. [Implementation of a Patient-Tailored Opioid Prescribing Guideline in Ventral Hernia Surgery.](#) Lindros SH, Warren JA, Carbonell AM 2nd, Cobb WS 4th, Floyd SB. *J Surg Res*. 2022 Oct 18;282:109-117. doi: 10.1016/j.jss.2022.09.021. [Epub ahead of print].
 24. [Retromuscular drain versus no drain in robotic retromuscular ventral hernia repair: a propensity score-matched analysis of the abdominal core health quality collaborative.](#) Miller, B. T., Tamer, R., Petro, C. C., Krpata, D. M., Rosen, M. J., Prabhu, A. S., & Beffa, L. *Hernia*. 2022 Oct 28. doi: 10.1007/s10029-022-02696-6. [Epub ahead of print].
 25. [Outcomes of light and midweight synthetic mesh use in clean-contaminated and contaminated ventral incisional hernia repair: an ACHQC comparative analysis.](#) Polcz, M. E., Pierce, R. A., Olson, M. A., Blankush, J., Duke, M. C., Broucek, J., & Bradley, J. F. *Surgical endoscopy*. 2022 Nov 1. doi: 10.1007/s00464-022-09739-0. [Epub ahead of print].
 26. [Robotic eTEP versus IPOM evaluation: the REVEAL multicenter randomized clinical trial.](#) Petro, C. C., Montelione, K. C., Zolin, S. J., Renton, D. B., Yunis, J. P., Meara, M. P., Costanzo, A., Diaz, K., McKenzie, K., Wilber, M., Fonseca, T., Tu, C., Olson, M. A., Krpata, D. M., Beffa, L. R., Poulouse, B. K., Rosen, M. J., & Prabhu, A. S. *Surgical endoscopy*. 2022 Nov 2. doi: 10.1007/s00464-022-09722-9. [Epub ahead of print].
 27. [Opioid prescribing practices and patient-requested refill patterns following laparoscopic inguinal hernia repair.](#) Gentle, C. K., Thomas, J. D., Montelione, K. C., Tu, C., Prabhu, A. S., Krpata, D. M., Beffa, L. R., Rosenblatt, S., Rosen, M. J., Lo Menzo, E., Alaedeen, D., Szomstein, S., Massier, C. G., & Petro, C. C. *Hernia*. 2022 Nov. <https://doi.org/10.1007/s10029-022-02708-5>. [Epub ahead of print].
 28. [Stopping prehospital chlorhexidine skin wash does not increase wound morbidity after incisional hernia repair: results of a 4-year quality improvement initiative.](#) Miller, B. T., Phillips, S., Poulouse, B. K., Petro, C. C., Beffa, L. R. A., Rosen, M. J., Krpata, D. M., & Prabhu, A. S. *Hernia*. 2022 Nov 23. doi: 10.1007/s10029-022-02722-7. <https://doi.org/10.1007/s10029-022-02722-7>. [Epub ahead of print].
 29. [Robotic versus open lateral abdominal hernia repair: a multicenter propensity score matched analysis of perioperative and 1-year outcomes.](#) Pereira, X., Lima, D. L., Huang, L. C., Salas-Parra, R., Shah, P., Malcher, F., & Sreeramoju, P. *Hernia*. 2022 Nov 24. doi: 10.1007/s10029-022-02713-8. [Epub ahead of print].
 30. [Comparison of post-operative outcomes of large direct inguinal hernia repairs based on operative approach \(open vs. laparoscopic vs. robotic\) using the ACHQC \(Abdominal Core Health Quality Collaborative\) database.](#) Varvoglis, D. N., Sanchez-Casalongue, M., Olson, M. A., DeAngelo, N., Garbarine, I., Lipman, J., Farrell, T. M., Overby, D. W., Perez, A., & Zhou, R. *Surgical endoscopy*, 2022 Dec 12. doi: 10.1007/s00464-022-09805-7. <https://doi.org/10.1007/s00464-022-09805-7>. [Epub ahead of print].

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