

TPMG Surgical Research Newsletter

Fall 2024, Issue #2

Welcome to the second issue of the **TPMG Surgery Research Newsletter!**

We present 33 active research projects led by surgeon researchers and investigators. Funding and support span the collaborative spectrum including the National Institute of Health, KP Division of Research, TPMG, KP Medical Device and Surveillance Assessment, and surgical industry. So far this year, KP surgeons have been involved in 115 peer-reviewed publications.

We introduced the mission of the TPMG Surgical Research group at this year's TPIP, and we hope to create a network for surgeons interested and enthusiastic in research. DARE is proud to provide our physicians with research collaboration opportunities through several [DARE funding mechanisms](#).



A Deeper Look Inside This Update:

- Research Highlight
- Announcements
- Surgery Events
- Funding and Resources
- Current research projects
- Recent peer reviewed publications

Research Highlight:

JAMA Surgery | **Original Investigation**

Automated CT Analysis of Body Composition as a Frailty Biomarker in Abdominal Surgery

Ijeamaka Anyene Fumagalli, MPH; Sidney T. Le, MD; Peter D. Peng, MD; Patricia Kipnis, PhD; Vincent X. Liu, MD, MSc; Bette Caan, DrPH; Vincent Chow, BSc; Mirza Faisal Beg, PhD; Karteek Popuri, PhD; Elizabeth M. Cespedes Feliciano, ScD, MSc

IMPORTANCE Prior studies demonstrated consistent associations of low skeletal muscle mass assessed on surgical planning scans with postoperative morbidity and mortality. The increasing availability of imaging artificial intelligence enables development of more comprehensive imaging biomarkers to objectively phenotype frailty in surgical patients.

OBJECTIVE To evaluate the associations of body composition scores derived from multiple skeletal muscle and adipose tissue measurements from automated segmentation of computed tomography (CT) with the Hospital Frailty Risk Score (HFRS) and adverse outcomes after abdominal surgery.

DESIGN, SETTING, AND PARTICIPANTS This retrospective cohort study used CT imaging and electronic health record data from a random sample of adults who underwent abdominal surgery at 20 medical centers within Kaiser Permanente Northern California from January 1, 2010, to December 31, 2020. Data were analyzed from April 1, 2022, to December 1, 2023.

EXPOSURE Body composition derived from automated analysis of multislice abdominal CT scans.

MAIN OUTCOMES AND MEASURES The primary outcome of the study was all-cause 30-day postdischarge readmission or postoperative mortality. The secondary outcome was 30-day postoperative morbidity among patients undergoing abdominal surgery who were sampled for reporting to the National Surgical Quality Improvement Program.

RESULTS The study included 48 444 adults; mean [SD] age at surgery was 61 (17) years, and 51% were female. Using principal component analysis, 3 body composition scores were derived: body size, muscle quantity and quality, and distribution of adiposity. Higher muscle quantity and quality scores were inversely correlated ($r = -0.42$; 95% CI, -0.43 to -0.41) with the HFRS and associated with a reduced risk of 30-day readmission or mortality (quartile 4 vs quartile 1: relative risk, 0.61; 95% CI, 0.56-0.67) and 30-day postoperative morbidity (quartile 4 vs quartile 1: relative risk, 0.59; 95% CI, 0.52-0.67), independent of sex, age, comorbidities, body mass index, procedure characteristics, and the HFRS. In contrast to the muscle score, scores for body size and greater subcutaneous and intermuscular vs visceral adiposity had inconsistent associations with postsurgical outcomes and were attenuated and only associated with 30-day postoperative morbidity after adjustment for the HFRS.

CONCLUSIONS AND RELEVANCE In this study, higher muscle quantity and quality scores were correlated with frailty and associated with 30-day readmission and postoperative mortality and morbidity, whereas body size and adipose tissue distribution scores were not correlated with patient frailty and had inconsistent associations with surgical outcomes. The findings suggest that assessment of muscle quantity and quality on CT can provide an objective measure of patient frailty that would not otherwise be clinically apparent and that may complement existing risk stratification tools to identify patients at high risk of mortality, morbidity, and readmission.

This study highlights the KP's leverage of comprehensive patient data. The study shows that a higher muscle quantity and quality derived from CT measurements were associated with a reduced risk of 30-day readmission or mortality and 30-day postoperative morbidity.

With the increasing utilization of imaging artificial intelligence, CT can provide preoperative risk assessment to identify patients at high risk of mortality, morbidity, and readmission. The muscle score was shown to be inversely correlated with age and Hospital Frailty Risk Score. This can potentially enable KP to better optimize the older and low frailty patient for surgery.

KP Northern California currently represents half of all hospitals nationwide with a Level 1 Comprehensive Excellence Geriatric Surgery Verification designation from the American College of Surgeons. This study will enhance KP's dedication to provide the best surgical care for older patients.

Link: [Automated CT Analysis of Body Composition as a Frailty Biomarker in Abdominal Surgery](#)

Link: [More centers earn geriatric surgery verification](#)

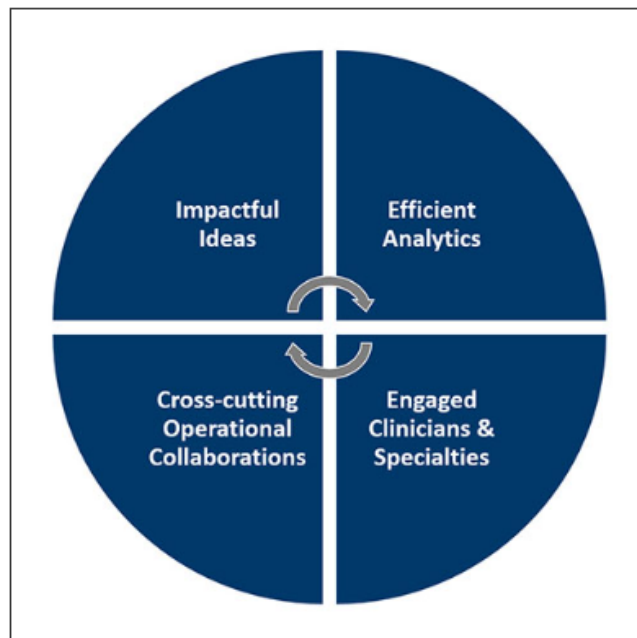
Announcements

We are working extremely hard on developing the TPMG Surgical Research Group. We gave a presentation at this year's TPIP - TPMG Surgical Research Group: Research Opportunities and the Journey to Success. We presented the TPMG Surgical Research Group's:

TPMG Surgical Research Charter

- **Vision:** To be a preeminent leader in surgical research that will achieve impactful results and advance evidence-based medicine.
- **Mission:** To foster research through collaboration between surgeons with relevant questions and investigators with the scientific resources.
- **Goals:**
 - Narrow the knowledge gap with research staff and support.
 - Create a network to facilitate timely research.
 - Provide funding opportunities for dedicated research.

We discussed DARE's history and introduced the infrastructure, connections, and analytic support that is available to physicians interested in research. We will launch two organizational meetings in 2025. The goal is to facilitate collaborations between surgeon researchers and DOR scientist and investigators.



Internal Funding & Research Resources

-  [**DARE - Delivery Science and Research Home**](#)
-  [**DARE - Getting Started with Research**](#)
-  [**DARE - Funding and Support**](#)
-  [**DARE - Research Idea Form**](#)
-  [**DARE - Specialty Research Networks**](#)
-  [**DOR - Division of Research**](#)
-  [**DOR - Research Consultation and Collaboration**](#)
-  [**MDSA - Medical Device Surveillance and Assessment**](#)
-  [**MDSA - New Research Request**](#)

Surgery Events

General Surgery

Pacific Coast Surgical Association

96th PCSA Annual Meeting

Dates: February 20th - 24th, 2025

Location: Kohala Coast, HI

For more information: [PCSA Annual Meeting](#)

American Society of Breast Surgeons

26th ASBrS Annual Meeting

Dates: April 30th - May 5th, 2025

Location: Las Vegas, NV

For more information: [ASBrS Annual Meeting](#)

Americas Hepato-Pancreato-Biliary Association

2025 AHPBA Annual Meeting

Dates: March 20th - 23rd, 2025

Location: Miami, FL

For more information: [AHPBA Annual Meeting](#)

Society of American Gastrointestinal and Endoscopic Surgeons

2025 SAGES Meeting

Dates: March 12th - 15th, 2025

Location: Long Beach, CA

For more information: [SAGES Annual Meeting](#)

Society of Surgical Oncology

2025 SSO Annual Meeting

Dates: March 27th - 29th, 2025

Location: Tampa, FL

For more information: [SSO Annual Meeting](#)

Society for Surgery of the Alimentary Tract

66th SSAT Annual Meeting

Dates: May 3rd - 6th, 2025

Location: San Diego, CA

For more information: [SSAT Annual Meeting](#)

American Association of Endocrine Surgeons

45th AAES Annual Meeting

Dates: May 17th - 19th, 2025

Location: Milwaukee, WI

For more information: [AAES Annual Meeting](#)

American Society of Metabolic and Bariatric Surgery

41st ASMBS Annual Meeting

Dates: June 15th - 19th, 2025

Location: National Harbor, MD

For more information: [ASMBS Annual Meeting](#)

American Hernia Society

2025 AHS Annual Meeting

Dates: September 4th - 6th, 2025

Location: Nashville, TN

For more information: [AHS Annual Meeting](#)

American College of Surgeons

ACS Clinical Congress 2025

Dates: October 4th - 7th, 2025

Location: Chicago, IL

For more information: [ACS Clinical Congress](#)

Head & Neck Surgery

American Head & Neck Society

2025 AHNS Annual Meeting

Dates: May 14th - 15th, 2025

Location: New Orleans, LA

For more information: [AHNS Annual Meeting](#)

American Academy of Otolaryngology-Head and Neck Surgery

2025 AAO-HNS Annual Meeting

Dates: October 10th - 14th, 2025

Location: Indianapolis, IN

For more information: [AAO-HNS Annual Meeting](#)

Neurosurgery

American Association of Neurological Surgeons

2025 AANS Annual Meeting

Dates: April 25th - 28th, 2025

Location: Boston, MA

For more information: [AANS Annual Meeting](#)

Congress of Neurological Surgeons

2025 CNS Annual Meeting

Dates: October 11th - 15th, 2025

Location: Los Angeles, CA

For more information: [CNS Annual Meeting](#)

Gynecology

Society of Gynecologic Oncology

2025 SGO Annual Meeting

Dates: March 14th - 17th, 2025

Location: Seattle, WA

For more information: [SGO Annual Meeting](#)

American Urogynecologic Society

2025 AUGS Annual Meeting

Dates: April 26th - 27th, 2025

Location: Nashville, TN

For more information: [AUGS Annual Meeting](#)

American College of Obstetricians and Gynecologists

2025 ACOG Annual Meeting

Dates: May 16th - 18th, 2025

Location: Minneapolis, MN

For more information: [ACOG Annual Meeting](#)

Ophthalmology

American Academy of Ophthalmology

2025 AAO Annual Meeting

Dates: October 17th - 25th, 2025

Location: Orlando, FL

For more information: [AAO Annual Meeting](#)

Orthopedic Surgery

American Academy of Orthopaedic Surgeons

2025 AAOS Annual Meeting

Dates: March 10th - 14th, 2025

Location: San Diego, CA

For more information: [AAOS Annual Meeting](#)

Plastic Surgery

American Association of Plastic Surgeons

103rd AAPS Annual Meeting

Dates: May 24th - 27th, 2025

Location: Austin, TX

For more information: [AAPS Annual Meeting](#)

Podiatry

American Podiatric Medical Association

2025 APMA Annual Meeting

Dates: July 24th - 27th, 2025

Location: Dallas, TX

For more information: [APMA Annual Meeting](#)

Thoracic Surgery

Society of Thoracic Surgeons

61st STS Annual Meeting

Dates: January 25th - 27th, 2025

Location: Los Angeles, CA

For more information: [STS Annual Meeting](#)

American Association for Thoracic Surgery

105th AATS Annual Meeting

Dates: May 2nd - 5th, 2025

Location: Seattle, WA

For more information: [AATS Annual Meeting](#)

Urology

American Urological Association

2025 AUA Annual Meeting

Dates: April 26th - 29th, 2025

Location: Las Vegas, NV

For more information: [AUA Annual Meeting](#)

Vascular Surgery

Vascular and Endovascular Issues, Techniques, Horizons

51st VEITH Annual Meeting

Dates: November 19th - 23rd, 2024

Location: New York, NY

For more information: [VEITH Symposium](#)

Society of Clinical Vascular Surgery

52nd SCVS Annual Symposium

Dates: March 29th - April 2nd, 2025

Location: Austin, TX

For more information: [SCVS Annual Symposium](#)

Society for Vascular Surgery

2025 SVS Annual Meeting

Dates: June 4th - 7th, 2025

Location: New Orleans, LA

For more information: [SVS Annual Meeting](#)

Western Vascular Society

40th WVS Annual Meeting

Dates: September 14th - 17th, 2025

Location: Ojai, CA

For more information: [WVS Annual Meeting](#)

Active Research Projects and Collaborations

- **Acute Emergency Care and Outcomes for Stroke, Myocardial Infarction, and Surgery During the COVID-19 Pandemic in Kaiser Permanente Northern California: Implications for Care Delivery During COVID-19 Recovery Phase and Future Surges**
Mai Nguyen-Huynh, Matthew Solomon, David Vinson, Robert Chang
Funding - Other. Ongoing.
- **Association of Aortic Anatomic characteristics on long-term durability, risk of reintervention and adverse outcome after EndoVascular Aortic aneurysm Repair utilizing Computed Tomography image Analysis**
Robert Chang
Funding - Other. 10/2021 - ongoing.
- **Carotid Revascularization trial (CREST-2)**
Robert Chang
Funding NIH. 10/2016 - ongoing.
- **Cemented hemiarthroplasty stem**
Kanu Okike, Chris Grimsrud, Vincet Wing-Shun Chen
Supported by MDSA. Ongoing.
- **Cervical disc arthroplasty versus anterior cervical discectomy and fusion and reoperation risk**
Kern Guppy, Shayan Ur Rahman
Supported by MDSA. Ongoing.
- **Comparison of mesh types in clean versus contaminated ventral hernia repairs**
Rouzbeh Mostaedi
Supported by MDSA, 5/2023 - ongoing.
- **Comparative effectiveness of outcomes associated with video assisted thoracic surgery (VATS) versus robot assisted thoracic surgery (RATS) for lobectomy in KPNC**
Jeffery Velotta, Vinnie Liu
Funding TAP. 3/1/2023 - ongoing.
- **Comparing immediate versus delayed direct-to-implant or autologous breast reconstructions**
Khatryn Royse, Winner Tong, Erin Smith
Supported by MDSA. Ongoing.
- **Elucid KP Carotid Artery Plaque Assessment CAPA Study**
Robert Chang
Funding - other. 3/2024 - ongoing.

- **Examining the affects mesh weight in inguinal hernia repair on postoperative complications and recurrence rates**
Rouzbeh Mostaedi
Supported by MDSA. 5/2023 - ongoing.
- **Femoral neck system versus cannulated screw for femoral neck fixation and revision risk**
Kanu Okike, Zachary Mallon
Supported by MDSA. Ongoing.
- **HPV self-collection**
Betty Suh-Burgmann
Funding PRP. 7/1/2021 - ongoing.
- **Isolated urethral sling versus concomitant procedures**
Shawn Menefee, Emily Adams-Piper
Supported by MDSA. Ongoing
- **Limiting AAA with Metformin Trial**
Robert Chang
Funding GORE. 7/2022 - ongoing.
- **Long-term outcomes after regionalization of gastric cancer care within an integrated health care system**
Robert Li
Funding CH. 1/2024 - ongoing.
- **Natural history assessment of abdominal aortic aneurysms under surveillance in KPNC [1283137-3]**
Robert Chang
Supported by CESR. Ongoing.
- **Optimizing Abdominal Aortic Aneurysm Surveillance and Intervention to Prevent Rupture**
Robert Chang
Funding PRP. 7/2021 - ongoing.
- **Population Management of Post Bariatric Surgery Patients to Prevent Micronutrient Deficiencies**
Helene Choquet, Sanjoy Dutta
Funding DSGP. 1/2024 - ongoing.
- **Post-mastectomy breast reconstruction timing and long-term return to care**
Chris Gold, Eric Lin, Winnie Tong
Supported by MDSA. Ongoing.

- **Predictors of Therapeutic Benefits, Surgical Outcomes, and Complications of Endovascular Stent Grafts for Repair of Abdominal Aortic Aneurysm**
INTERREGIONAL
 Robert Chang
 Supported by MDSA. Ongoing.
- **Race/ethnicity and outcomes following spine fusion**
 Kern Guppy, Harsimran Sing Brara, Elizabeth Picinic-Norheim
 Supported by MDSA. Ongoing.
- **RECOVER: A Prospective Evaluation of Pain After Retromuscular Ventral Hernia Repair**
 Elliott Brill
 Funding Intuitive Surgical. 4/2020 - ongoing.
- **Safety and Efficacy of Corticosteroid Choice in Trigger Finger Injection**
 Todd Theman, Julie Schmittziel
 Funding RAU. 8/2021 - ongoing.
- **Safety of Outpatient Neck Dissection in Head and Neck Oncology**
 Levi Ledgerwood
 Funding CH. 1/2024 - ongoing.
- **Stand-alone versus plated anterior cervical discectomy and fusion and reoperations**
 Ehsan Tabaraee, Kern Guppy, Omid Resa Hariri
 Supported by MDSA. Ongoing.
- **A Study to Evaluate the Utilization of 3D Printed Models in Pre-Operative Planning**
 Eugene Jang, Lee Jae Morse, Andrew Fang
 Funding Clinical Research Organization. Ongoing.
- **Taper slip versus composite beam total hip arthroplasty stems**
 Vincent Wing-Shu Chen, Matthew Patrick Kelly, Stephen Huffaker
 Supported by MDSA. Ongoing.
- **The impact of brachial plexus nerve catheters on the rate of return to care for distal radius fracture repairs**
 Edward Yan
 Funding CH. 1/2024 - ongoing.
- **The Impact of Race on Rate of Postmastectomy Immediate Breast Reconstruction in an Integrated Healthcare Model**
 Chris Gold
 Funding CH. 1/2024 - ongoing.

- **To cross or not to cross the lumbar-thoracic junction**
Kern Guppy, Fennessey, Jacob Fennesy, Calvin Kuo
Supported by MDSA. Ongoing.
- **Total knee arthroplasty highly cross-linked polyethylene versus conventional poly liners**
Elizabeth Paxton, Kurtz, Adrian Hinman, Matthew Patrick Kelly
Supported by MDSA. Ongoing.
- **Total knee arthroplasty stems versus cones/sleeves and revision**
Adrian Hinman, Matthew Patrick Kelly
Supported by MDSA. Ongoing.
- **Toward Reducing Surgical Complications After Urgent and Emergent Surgery**
Edward Yap, Mary Reed
Funding DSGP. 7/2022 - ongoing.
- **What factors affect time to surgery for lung cancer and moderate its associations with patient outcomes?**
Jeffrey Velotta, Lori Sakoda
Funding DSGP - 7/2022 - ongoing.

Peer Reviewed Surgery Publications in 2024

Only NCAL coauthor(s) listed

Abdominal Wall Reconstruction & Hernia Surgery

1. **Female sex and ipsilateral reoperation risk following mesh-based inguinal hernia repair: a cohort study including 131,626 repairs in adults from an integrated healthcare system over a 10-year period**
Maertens, Francisca M ; Chan, Priscilla ; Prentice, Heather ; Brill, Elliott R ; Paxton, Liz ; Mostaedi, Rouzbeh
Hernia. 2024 Feb;28(1):25-31. [View Item in Pubmed](#)

Breast Surgery

1. **Mainstream Germline Genetic Testing with Expanded Eligibility for Early Breast Cancer Patients in a Large Integrated Health System**
Veronica Shim, Audrey Karlea, Leslie Manace Brenman, Jamila Gu, Elizabeth Hoodfar, Tracy D Chan, Poline C Engeman, Vanessa M Sheldon, Deirdre M Thorne-Hadfield, Patience Odele, Brooke Vuong, Jennifer McEvoy, C K Chang, Dinesh Kotak, Laurel A Habel
Ann Surg Oncol. 2024 Sep 18. [View Item in Pubmed](#)
2. **Contemporary Review of the Management and Treatment of Young Breast Cancer Patients**
Vuong, Brooke ; Chang, Sharon B ; Kuehner, Gillian E ; Savitz, Alison C
Clin Breast Cancer. 2024 Jun 07. [View Item in Pubmed](#)
3. **Evaluation of the international Ki67 working group cut point recommendations for early breast cancer: comparison with 21-gene assay results in a large integrated health care system**
Shim, Veronica C ; Baker, Robin J ; Jing, Wen ; Achacoso, Ninah S ; Lee, Catherine ; Villasenor, Marvella A ; Lin, Amy Y ; Kapali, Malathy ; Habel, Laurel A
Breast Cancer Res Treat. 2024 Jan;203(2):281-289. [View Item in Pubmed](#)

Head and Neck Surgery

1. **The Association of Body Mass Index and Early Outcomes Following Orthognathic Surgery**
Shah, Swapnil ; Block-Wheeler, Nikolas R ; Liu, Kalenap ; Ritterman Weintraub, Miranda
J Oral Maxillofac Surg. 2024 Jul;82(7):782-791. [View Item in Pubmed](#)
2. **Palate Shape, Drug-Induced Sleep Endoscopy Findings, and Obstructive Sleep Apnea Pharyngeal Surgery Outcomes**
Kedarisetty, Suraj
Otolaryngol Head Neck Surg. 2024 Sep;171(3):902-909. [View Item in Pubmed](#)

3. **Clinical and technical factors in endoscopic skull base surgery associated with reconstructive success**
Kshirsagar, Rijul S
Rhinology. 2024 Jun 01;62(3):330-341. [View Item in Pubmed](#)
4. **Race and Ethnicity Independently Predict Adverse Outcomes Following Head and Neck Autograft Surgery**
Debbaneh, Peter M
Laryngoscope. 2024 Aug;134(8):3595-3603. [View Item in Pubmed](#)
5. **Maxillary Antrostomy Versus Complete Sinus Surgery for Odontogenic Sinusitis With Frontal Sinus Extension**
Kshirsagar, Rijul S
Laryngoscope. 2024 Aug 27. [View Item in Pubmed](#)
6. **Artificial Intelligence Suggests Greater Visual Conformity with Affirmed Gender After Facial Feminization Surgery**
Huynh, Pauline P ; Brandstetter, Kathleyn ; Kleinberger, Andrew J ; Shih, Charles
Facial Plast Surg Aesthet Med. 2024 Sep-Oct;26(5):643-645. [View Item in Pubmed](#)
7. **Two Simultaneous Rare Head and Neck Lipomas: Vallecular Lipoma and Giant Intermuscular Neck Lipoma**
Ferraro, Tatiana ; Collazo Melendez, Samuel A ; Malkin, Benjamin D
Laryngoscope. 2024 Jul;134(7):3177-3180. [View Item in Pubmed](#)
8. **Quality-of-Life Outcomes Following Endoscopic Resection of Sinonasal Inverted Papilloma**
Kshirsagar, Rijul S
Laryngoscope. 2024 Aug 24. [View Item in Pubmed](#)
9. **Endoscopic Repair of Anterior Skull Base Cerebrospinal Fluid Leaks is Successful in Frail Patients**
Kshirsagar, Rijul S
Laryngoscope. 2024 Jun;134(6):2713-2717. [View Item in Pubmed](#)
10. **Transoral Excision of an Intracordal Schwannoma: A Case Report and Review**
Tang, Christopher G
Cureus. 2024 Apr;16(4):e57823. [View Item in Pubmed](#)
11. **A Biologic With Otologic Consequences: Analysis of Hearing Loss and Teprotumumab Using the FDA Adverse Event Reporting System**
Huynh, Pauline P ; Saba, Elias S ; Rivero, Alexander ; Peralta, Robert J ; Liang, Jonathan
Otol Neurotol. 2024 Sep 01;45(8):e566-e569. [View Item in Pubmed](#)
12. **Quality-of-Life Outcomes Following Endoscopic Resection of Sinonasal Inverted Papilloma**
Kshirsagar, Rijul S
Laryngoscope. 2024 Aug 24. [View Item in Pubmed](#)

13. **Differences in Patient Secure Message Volume Among Otolaryngologists: A Retrospective Cohort Study**
Hoerter, Jacob E ; Debbaneh, Peter M ; Jiang, Nancy
Ann Otol Rhinol Laryngol. 2024 Jul 25;34894241264114. [View Item in Pubmed](#)
14. **Recovery of Recurrent Laryngeal Nerve Function With Neoadjuvant Treatment: Neural Characterization**
Iwata, Ayaka J
Laryngoscope. 2024 Jul;134(7):3415-3419. [View Item in Pubmed](#)
15. **Exploring Sociodemographic Factors in Allergic Fungal Rhinosinusitis in a Northern California Patient Population**
Debbaneh, Peter M ; Wei, Julia ; Liang, Jonathan
Perm J. 2024 Jun 14;28(2):78-85. [View Item in Pubmed](#)
16. **Ocular Surface Adverse Events are not Associated with Dupilumab use in Nasal Polyp Treatment**
Kshirsagar, Rijul S ; Vu, Priscilla Q ; Liang, Jonathan
Laryngoscope. 2024 Jun;134(6):2602-2608. [View Item in Pubmed](#)
17. **The impact of adenotonsillectomy on healthcare utilization in children with obstructive sleep apnea: Experience of an integrated medical model**
Saba, Elias S ; Fink, Deanna ; Schloegel, Luke ; Bseikri, Mustafa R
Int J Pediatr Otorhinolaryngol. 2024 Jun;181:111987. [View Item in Pubmed](#)
18. **Clinical Practice Guideline: Age-Related Hearing Loss Executive Summary**
Tsai Do, Betty S
Otolaryngol Head Neck Surg. 2024 May;170(5):1209-1227. [View Item in Pubmed](#)
19. **Plain Language Summary: Age-Related Hearing Loss**
Tsai Do, Betty S
Otolaryngol Head Neck Surg. 2024 May;170(5):1228-1233. [View Item in Pubmed](#)
20. **Patterns of Discordance Between Clinical and Pathologic Stage in Head and Neck Cancer**
Hondorp, Brian M ; Kim, Paul D
Laryngoscope. 2024 Apr 24. [View Item in Pubmed](#)
21. **Neoadjuvant therapy to improve resectability of advanced thyroid cancer: A real-world experience**
Iwata, Ayaka J
Head Neck. 2024 Mar 15. [View Item in Pubmed](#)
22. **Palate shape is associated with Unilateral Hypoglossal Nerve Stimulation Outcomes**
Kedarisetty, Suraj
Laryngoscope. 2024 Feb;134(2):981-986. [View Item in Pubmed](#)

23. **Subunit Reconstruction With Local and Regional Flaps of a Total Cervicofacial Defect From Necrotizing Fasciitis**
Hoerter, Jacob E ; Liang, Jonathan ; Sukato, Daniel C
J Craniofac Surg. 2024 Jan-Feb 01;35(1):e31-e32. [View Item in Pubmed](#)
24. **Orofacial Myofunctional Therapy for Obstructive Sleep Apnea: A Systematic Review and Meta-Analysis**
Saba, Elias S ; Huynh, Pauline P ; Jiang, Nancy
Laryngoscope. 2024 Jan;134(1):480-495. [View Item in Pubmed](#)
25. **Odontogenic Orofacial Space Infections**
Hoerter, Jacob E ; Malkin, Benjamin D
Treasure Island (FL): StatPearls Publishing; 2024. [View Item in Pubmed](#)
26. **The diagnosis of nontuberculous cervicofacial lymphadenitis: A systematic review**
Saba, Elias S ; Ansari, Ghedak N ; Hoerter, Jacob E ; Schloegel, Luke ; Zim, Shane
Am J Otolaryngol. 2024 Jan-Feb;45(1):104030. [View Item in Pubmed](#)
27. **Chapter 5 - Improving LGBTQ healthcare in the otolaryngology community**
Nikolas Block-Wheeler, Noriko Yoshikawa
Healthcare Disparities in Otolaryngology. 2024, Pages 65-84

Gastrointestinal, Foregut & Bariatric Surgery

1. **Socio-Demographic and Preoperative Clinical Factors Associated With 5-Year Weight Trajectories After Roux-en-Y Gastric Bypass and Sleeve Gastrectomy**
Jiang, Chen ; Yin, Jie ; Schaefer, Catherine ; Dutta, Sanjoy K ; Mostaedi, Rouzbeh ; Choquet, Helene
Ann Surg Open. 2024 Jun;5(2):e437. [View Item in Pubmed](#)
2. **A Path to High-Value Gastric Cancer Surgery Care Delivery**
Teh, Swee H ; Shiraga, Sharon ; Kellem, Aaron M ; Li, Robert A ; Le, David M ; Arsalane, Said P ; Khayat, Fawzi S ; Li, Yan ; Gong, I-Yeh ; Lee, Jessica M
Ann Surg Open. 2024 Jun;5(2):e408. [View Item in Pubmed](#)
3. **Bariatric Surgery and the Long-Term Risk of Venous Thromboembolism: A Population-Based Cohort Study**
Harrington, Laura B ; Johnson, Eric ; Coleman, Karen J ; Li, Robert A ; Theis, Mary K ; Cooper, Julie B ; Chin, Philip L ; Grinberg, Gary G ; Daigle, Christopher R ; Chang, Julietta H ; Um, Scott S ; Yenumula, Panduranga R ; Zelada Getty, Jorge L ; Arterburn, David E
Obes Surg. 2024 Jun;34(6):2017-2025. [View Item in Pubmed](#)
4. **Automated CT Analysis of Body Composition as a Frailty Biomarker in Abdominal Surgery**
Anyene, Ijeamaka ; Le, Sidney ; Peng, Peter D ; Kipnis, Patricia ; Liu, Vincent ; Caan, Bette J ; Feliciano, Elizabeth C
JAMA Surg. 2024 Jul 01;159(7):766-774. [View Item in Pubmed](#)

5. **Anal Cancer Screening and Prevention-A New Era, Limited by Access to High-Resolution Anoscopy**
Barnell, Gregory M ; Schechter, Matthew S
JAMA Netw Open. 2024 Mar 04;7(3):e240019. [View Item in Pubmed](#)
6. **Colo-salpingeal fistula: a rare gynecologic manifestation of diverticular disease**
Londeree, Jason J
Arch Gynecol Obstet. 2024 Sep;310(3):1355-1363. [View Item in Pubmed](#)

Gynecology, Gynecologic Oncology & Urogynecology

1. **Fertility desires and sexual behaviours among women recovering from genital fistula repair in Eldoret, Kenya**
Matityahu, Debra E
Trop Med Int Health. 2024 Feb;29(2):144-151. [View Item in Pubmed](#)
2. **Impact of Beyond Fistula programming on economic, psychosocial and empowerment outcomes following female genital fistula repair: A retrospective study**
Matityahu, Debra E
Int J Gynaecol Obstet. 2024 Mar;164(3):1064-1073. [View Item in Pubmed](#)
3. **Long-Term Risk of Reintervention After Surgical Leiomyoma Treatment in an Integrated Health Care System**
Mitro, Susanna D ; Xu, Fei ; Lee, Catherine ; Zaritsky, Eve F ; Hedderson, Monique
Obstet Gynecol. 2024 May 01;143(5):619-626. [View Item in Pubmed](#)
7. **Hypertension, Cardiovascular Risk Factors, and Uterine Fibroid Diagnosis in Midlife**
Mitro, Susanna D ; Lee, Catherine ; Zaritsky, Eve F ; Hedderson, Monique
JAMA Netw Open. 2024 Apr 01;7(4):e246832. [View Item in Pubmed](#)
8. **Ovarian cancer risk among older patients with stable adnexal masses**
Suh-Burgmann, Betty J ; Hung, Yun-Yi ; Schmittziel, Julie A
Am J Obstet Gynecol. 2024 Oct;231(4):440.e1-440.e7. [View Item in Pubmed](#)
9. **NRG-CC004 ancillary data study-exploring the effect of bupropion on sexual desire in female cancer survivors with and without vulvovaginal symptoms**
Littell, Ramey
J Sex Med. 2024 Aug 01;21(8):709-715. [View Item in Pubmed](#)
10. **Large-scale genome-wide association study of 398,238 women unveils seven novel loci associated with high-grade serous epithelial ovarian cancer risk**
Powell, Catherine Bethan
medRxiv. 2024 Mar 04. [View Item in Pubmed](#)
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