

WELCOME

26th Annual

Layton F. Rikkers, MD Education Retreat

**Enriching Teaching Relationships:
Refining Your Approach as a Surgical Educator**

April 30, 2024 | Health Sciences Learning Center



DEPARTMENT OF SURGERY | UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE AND PUBLIC HEALTH

Welcome to the 2024 University of Wisconsin Department of Surgery Layton F. Rikkers, MD Education Retreat!

We are delighted to welcome you to the 26th Annual Rikkers Education Retreat. Named in honor of Professor Emeritus of Surgery Dr. Layton F. Rikkers, who founded the annual education retreat during his tenure as the A.R. Curreri Distinguished Chair of the department, this event is intended to serve as a professional learning opportunity on topics of importance in the field of surgical education and to spotlight the wonderful work that is being done in this area by our faculty, trainees, and staff. This year's theme is **"Enriching Teaching Relationships: Refining Your Approach as a Surgical Educator."**

We are honored to be joined by our keynote speaker, Dr. Stacey Tutt Gray, who will lead a professional development workshop on Granting/Gaining Surgical Autonomy, as well as present at Grand Rounds on Wednesday May 1st. Dr. Gray is an Associate Professor, the Vice Chair of Education, and the Residency Program Director for the Department of Otolaryngology–Head and Neck Surgery at the Harvard Medical School. She is a passionate educator with a keen interest in innovations in residency education. Some of her recent publications have examined operative autonomy in terms of both gender disparities and resident readiness for independent practice; assessed resident's intraoperative experiences on key indicator procedures; and incorporated adult learning theory education into a surgical educator curriculum for faculty and residents. We are very fortunate to have Dr. Gray with us!

Our retreat will also feature guest speakers Dr. Patrick Varley, Dr. Sarah Jung, and Dr. Desmond Layne who will conduct an educational session on Improving Feedback in Workplace Based Assessments. All three are respected members of our department: Dr. Varley is an Assistant Professor in the Division of Surgical Oncology, Dr. Jung is an Assistant Professor of Education Research and Development, and Dr. Layne is a general surgery resident.

Finally, the Retreat is an ideal opportunity for us to recognize the individuals in our department who continually advance our understanding and practice of surgical education. We are thrilled to acknowledge and celebrate their dedication to this vital element of our mission.

**Thank you for joining us and welcome to the
2024 Rikkers Education Retreat!**

Agenda

Tuesday, April 30, 2024 | 3:00-7:15 PM

- 3:00 Professional Development Workshop
with Dr. Stacey Tutt Gray
*Granting/Gaining Surgical Autonomy:
Strategies for Faculty and Trainees*
HSLC 3110 B
- 4:30 Digital Poster, Hors D’oeuvres & Networking Session
HSLC Atrium
- 5:15 Educational Session
with Drs. Sarah Jung, Desmond Layne, & Patrick Varley
Improving Feedback in Workplace Based Assessments
HSLC 1335
- 6:15 Awards & Closing Remarks
HSLC 1335
- 6:30 Digital Poster, Hors D’oeuvres & Networking Session
HSLC Atrium

Wednesday, May 1, 2024 | 7:20-8:20 AM

- 7:20 Department of Surgery Grand Rounds
Growing a Network: The Importance of Connectivity
HSLC 1335 / Zoom

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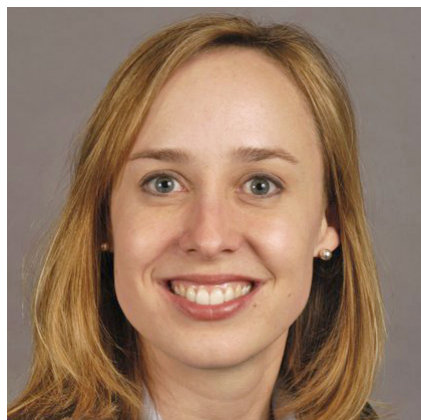
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keynote speaker



Stacey Tutt Gray, MD

Stacey Tutt Gray, MD

This year's keynote speaker, Dr. Stacey Tutt Gray, joins us from the Harvard Medical School, where she is an Associate Professor of Otolaryngology–Head and Neck Surgery.

Dr. Gray is a fellowship-trained rhinologist and endoscopic skull base surgeon with more than 15 years of experience in treating patients with disorders affecting the nose and sinuses. She is Director of the Sinus Center at Massachusetts Eye and Ear in Boston, and her clinical practice is focused on complex and revision sinus surgery, as well as the management of chronic rhinosinusitis, sinonasal tumors, and pathology involving the skull base, including encephaloceles and CSF leaks.

She is a surgical education leader at Harvard, presently serving as the Vice Chair of Education for the Department of Otolaryngology–Head and Neck Surgery. She is also the Director of the Harvard Medical School / Massachusetts Eye and Ear / Mass General Brigham Otolaryngology–Head & Neck Surgery Residency Program. In 2015, she was the recipient of the Harvard Medical School Young Mentor Award for her contributions to teaching and education and, in 2023, she earned the Mass General Brigham Outstanding Program Director Award.

In addition to conducting clinical research on the endoscopic management of sinonasal and skull base disorders, Dr. Gray is actively involved in surgical education research. She has a particular interest in improvements in residency education. She has published more than 180 peer reviewed articles and lectures nationally and internationally on both rhinology and surgical education.

Recent Publications

Chen JX, Thorne MC, Galaiya D, Campisi P, Gray ST. **Competency-based medical education in the United States: What the otolaryngologist needs to know.** *Laryngoscope Investig Otolaryngol.* 2023 Jun 15;8(4):827-831.

Chen JX, Gray ST. **A paired curriculum for surgical faculty and residents on adult education.** *Laryngoscope Investig Otolaryngol.* 2023 Apr 21;8(3):636-638.

Mitchell M, Gray ST, Chen JX. **A Practical Introduction to Growth Mindsets in Surgical Training.** *JAMA Otolaryngol Head Neck Surg.* 2023 Jul 1;149(7):569-570.

Chen JX, George BC, Gray ST, Krumm AE. **Predicting Resident Competence for Otolaryngology Key Indicator Procedures.** *Laryngoscope.* 2023 Dec;133(12):3341-3345.

Champaloux EP, Acosta AS, Gray ST, Meyer TK, Bergmark RW. **Otolaryngology residents' experiences of pregnancy and return to work: A multisite qualitative study.** *Laryngoscope Investig Otolaryngol.* 2022 Jul 28;7(5):1322-1328.

Chen JX, Yu SE, Miller LE, Gray ST. **A Needs Assessment for the Future of Otolaryngology Education.** *Otolaryngol Head Neck Surg.* 2023 Jul;169(1):192-193.

About Dr. Ridders

Dr. Layton F. “Bing” Ridders is a native of Wisconsin and received his undergraduate degree from the University of Wisconsin–Madison. After graduating from Stanford University Medical School, he completed a general surgery residency at the University of Utah and two one-year fellowships at the Royal Free Hospital in London and Emory University in Atlanta. He spent seven years on the faculty at the University of Utah before serving as the Musselman Chair of Surgery at the University of Nebraska Medical Center from 1984 to 1996 and then the A.R. Curreri Chair of Surgery at the University of Wisconsin from 1996 to 2008. During his 12-year tenure as surgery chair at UW–Madison, the faculty doubled in size and our NIH ranking rose to 13th in the nation, representing a significant increase in research funding. Dr. Ridders established the annual Resident Research Day and the annual Education Retreat. He is currently Emeritus Professor of Surgery at UW–Madison.



Layton F. “Bing” Ridders, MD

Retreat History

The University of Wisconsin Department of Surgery Education Retreat was initiated in 1998 to offer a venue in which to recognize and support the educational efforts of the Department of Surgery. Initially dedicated to improving education within the department, with a focus on medical student education, the event has evolved over the years. While the information shared during the retreat was likely helpful in improving the teaching abilities of those who attended, more importantly, it was a yearly reminder that education was an essential component of the department’s mission.

In 2008, the event was named the Layton F. Ridders Education Retreat to honor our past Chair of Surgery who held the education of medical students and residents as a high priority. The surgeons who have served as visiting professors to the retreat are a virtual “who’s who” of surgical education in the United States.

Previous Speakers

1998	Craig Gjerde, PhD
1999	Deb DaRosa, PhD
2000	Gary Dunnington, MD
2001	Ajit Sachdeva, MD
2002	Thomas Krummel, MD
2003	Stephen R.T. Evans, MD
2004	John Leeman Tarpley, MD
2005	Richard K. Reznick, MD
2006	Yolanda Becker, MD
2007	Jo Shapiro, MD
2008	Bruce L. Gewertz, MD
2009	Mary E. Klingensmith, MD
2010	David Rogers, MD
2011	Ajit Sachdeva, MD
2012	Carlos Pellegrini, MD
2013	Julie Freischlag, MD
2014	Frank R. Lewis, MD
2015	Gerald M. Fried, MD
2016	Leigh A. Neumayer, MD, MS
2017	David R. Farley, MD
2018	Gurjit Sandhu, PhD
2019	Carol-Anne Moulton, MD, PhD, Med
2020	Karen Brasel, MD
2021	Division of Education Update, no guest speaker
2022	Brigitte K. Smith, MD, MHPE
2023	Kevin Pei, MD, MHSEd, FACS

Medical Student Education (UME)

Association for Surgical Education (ASE) - Philip J. Wolfson Outstanding Teacher Award



Dawn Elfenbein, MD, MPH

Dr. Dawn Elfenbein was awarded the ASE Philip J. Wolfson Outstanding Teacher Award! This award is given annually to individuals who are actively involved in surgical education and who are considered by their chair,

peers, residents, and/or students to be outstanding teachers. Congratulations Dr. Elfenbein!

Pre-Med and Phase 1 Medical Student Programs

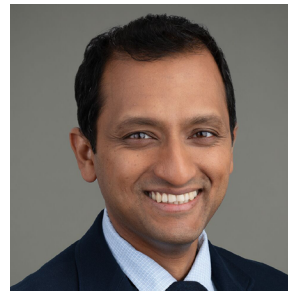
Shadowing: The department currently offers two tracks of shadowing – undergraduate student observers and Phase 1 medical student observers. We offer clinic and OR shadowing, which have different eligibility requirements. Refer to the [Shadowing Homepage](#) for more details and send any questions to shadowing@surgery.wisc.edu.

Undergraduate and graduate student observers apply to shadow and are matched with faculty preceptors during certain timeframes (Summer, Fall, or Spring semesters). In 2023, we hosted over 60 undergraduate and graduate student observers in the department. Thank you to all of our preceptors who were able to provide this opportunity. If you are interested, sign up to be a [faculty preceptor here](#).

Phase 1 medical students are fully eligible to observe in OR's and clinics. They reach out to faculty individually; faculty are asked to allow them to shadow as able.

Surgery Interest Groups (SIGs): The Department of Surgery has multiple SIGs for Phase 1 medical students. Some highlights from this past academic year of SIG events include the surgical robot presentation and practice event, suture skills and laparoscopic skills simulation, the Department of Surgery Social Mixer, and panels on women in surgery and the different surgical specialties.

Thank you to everyone who participates in SIG sessions and who assists in giving Phase 1 students a glimpse into surgical specialties as a career.



Nabeel Zafar, MD, MPH
Surgery Interest Group
SIG Faculty Advisor



Chad Ennis, MD
Otolaryngology Interest Group
ENTIG Faculty Advisor



Jacqueline Israel, MD
Plastic Surgery Interest Group
PSIG Faculty Advisor



Courtney Morgan, MD
Vascular Surgery
Interest Group
VSIG Faculty Advisor

Phase 2 Surgical and Procedural Care (SPC)

In Phase 2, students are exposed to clinical learning experiences for the first time. The Department of Surgery hosts four blocks of students every year in this phase for their SPC requirement. In SPC, students are exposed to clinic-based learning and services that collaborate

medical student education

on the management and care of surgical patients. In addition to their scheduled service rotations, students are assigned a continuity clinic preceptor that they longitudinally follow through their entire 12-week block on SPC. This opportunity gives students a chance to spend additional time in a service they are interested in and gain a stronger relationship with a faculty member. Thank you to the faculty members that have served as continuity clinic preceptors!

Phase 3 Inpatient Acting Internship Mentorship Program

A formalized mentorship program is integrated into the Phase 3 Surgery Inpatient Acting Internship. The intent of this program is to encourage interactions and relationship building between medical students and faculty. Many students who have participated in the mentorship program agreed their mentor helped them match into a desirable residency program and they planned to stay in contact with them in the future. Let [Amber Shada, MD](#), or [Kelli Kline](#) know if you are interested in mentoring medical students applying to surgical specialties in the Match.

Underrepresented in Medicine Visiting Student Scholarship

In 2023, the Department of Surgery offered the [Underrepresented in Medicine \(URiM\) Visiting Student Scholarship](#) for the third year. The goal of this program is to increase awareness of opportunities in academic medicine for 4th year medical students from underrepresented groups, encourage students from diverse backgrounds to apply to the UW's residency



programs, and address the underrepresentation of racial and ethnic minorities in surgery. Four students were invited to rotate on General Surgery and Plastic Surgery in 2023.

One student who received an URiM scholarship will be returning to the department as an intern in the Plastics Residency – welcome back, Kensie La-Anyane!

Thank you to the following 2023 URiM application committee members led by URiM Scholarship Program Director, Alexander Chiu, MD.

Scott Chaiet, MD; Chad Ennis, MD; Girma Tefera, MD; Courtney Morgan, MD; Dawn Elfenbein, MD, MPH; Catharine Garland, MD; Nabeel Zafar, MD, MPH; Betty Allen, MD; Kishan Thadikonda, MD; M. Kristine Carbullido, MD; Aviv Spillinger, MD; and Kelli Kline, MA.

Please reach out to UMESurgEd@surgery.wisc.edu if you are interested in joining this committee or acting as a mentor for URiM Scholarship recipients.



Alexander Chiu, MD
Director, URiM
Scholarship Program

medical student education

2023 Medical Student Education Team Leadership & Updates

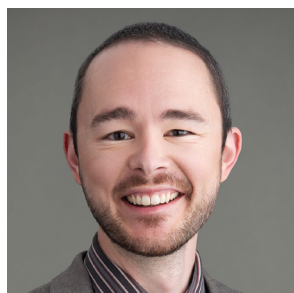
Surgery Medical Student Director and SPC Integrated Block Leadership:

Thank you to Dawn Elfenbein, MD, MPH for her tenure as the Surgery Medical Student Director and SPC Integrated Block Leader. Dr. Elfenbein has served in the role since 2021 and will be stepping down in



Dawn Elfenbein, MD, MPH
*SPC Integrated Block Leader
Medical Student Director*

2024. Throughout her time in leadership, she has worked hard to develop learning partnerships between students and faculty and has led many efforts to make the clerkship learning environment a place where all students are welcome.



Chad Ennis, MD
SPC Assistant Block Leader

In 2024, we will welcome Courtney Morgan, MD, as the new Surgery Medical Student Director and SPC Integrated Block Leader!

Phase 3 Leadership:

In 2023, we welcomed our Phase 3 Co-Directors, Lee Faucher, MD, and Amber Shada, MD! Dr. Faucher is our Medical Student Mentorship Lead and is offering guidance and academic support to medical students interested in applying to surgical specialties. He recently helped our 2024 class



Courtney Morgan, MD
Co-Department Block Leader

navigate a successful match season. Dr. Shada is the lead for both our Inpatient Acting Internship and our Internship Preparation Course; she will be directing



Lee Faucher, MD
*Phase 3 Medical Student
Mentorship Lead*



Amber Shada, MD
*Phase 3 IAI & IPC
Courses Lead*

the educational curriculum for these courses and clinical electives.

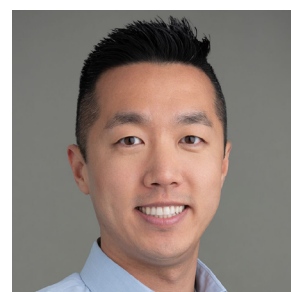
Additionally, thank you to all of our Clinical Faculty Leads who take the time to orient our students to their different clinic responsibilities and complete student performance assessments, giving them valuable feedback. Another thank you to all of the Surgery Medical Student Facilitators and Statewide Site Directors for all you do for medical student education!

Medical Student Education in Plastic Surgery

In line with our commitment to medical education, Dr. Jacqueline Israel has assumed responsibility for Phase 3 medical students rotating on plastic surgery, while Dr. Daniel Cho has taken over the mentorship of Phase 2 medical students. Their guidance and expertise will shape the next generation of plastic surgeons, fostering a culture of excellence and compassion.



Jacqueline Israel, MD
*Plastic Surgery Phase 3
Medical Student Leader*



Daniel Cho, MD, PhD
*Plastic Surgery Phase 2
Medical Student Leader*

New Ultrasound Curriculum for Vascular Trainees

New for this academic year, the vascular surgery training programs have implemented an ultrasound curriculum during the additional hour of protected educational time. This curriculum consists of seven sessions, including both didactic lectures and hands-on training, covering all of the major exams performed in the non-invasive vascular lab. It is run by Dr. Carol Mitchell, Associate Professor of Cardiovascular Medicine. The series has been well received and will help prepare the trainees for the Registered Physician in Vascular Interpretation exam, which is required to take the Vascular Surgery Board Exam.

Pilot Site: Vascular Surgery Entrustable Professional Activities

The Vascular Surgery Residency and Fellowship are participating as a pilot site for the vascular surgery Entrustable Professional Activities (EPAs) to help refine them prior to nationwide implementation. The UW is one of twenty programs participating in the pilot which began in April. Program leadership have been working closely with the Surgery EPA team to ensure a successful pilot, and will be providing feedback to the American Board of Surgery (ABS) about the EPAs in June. The ABS plans to launch EPAs to all vascular surgery training programs in October 2024. Starting with the 2029 Vascular Surgery Qualifying Exam, applicants will be required to submit their composite profile across all 15 of the vascular surgery EPAs in order to take the exam. Incoming department Vice Chair of Education, Dr. Brigitte Smith, is leading

the vascular EPA project for the ABS while Dr. Paul DiMusto was a member of the vascular surgery EPA writing group.

Resident Highlights from Vascular Surgery



Elise DeRoo, MD
Vascular Surgery Resident



Carly Sobol, MD
Vascular Surgery Resident

Dr. Elise DeRoo (PGY4) was accepted to the Journal of Vascular Surgery Internship program. During this year-long internship, trainees are paired with a mentor who is a senior editor for the journal. They are then expected to review 10–12 manuscripts under the guidance of their mentor. In addition to reviewing papers, there are monthly group sessions and lectures focusing on a variety of topics pertinent to the peer-review and editorial process.

Dr. Carly Sobol (PGY2) received a Trainee Research Fellowship Award from the Association for Academic Surgery to support her research during her academic development time. Under the mentorship of Dr. Gretchen Schwarze and Dr. Courtney Morgan, Dr. Sobol's project will pilot test the Fundamentals of Communication in Surgery curriculum at six surgery residency programs across the U.S. This newly developed five-year curriculum aims to train surgery residents on core communication skills for engaging with patients and families, such as empathic response skills and frameworks that support conversations about informed consent and serious illness.

Plastic Surgery Residency Leadership Transitions

Dr. Brian Gander has taken the helm as the Program Director for the Plastic Surgery residency program, succeeding Dr. A. Neil Salyapongse. Dr. Gander's dedication to education and mentorship promises to further elevate our residency program along with Dr. Jacqueline Israel in the role of Associate Program Director.



Brian Gander, MD
Program Director
Plastic Surgery Residency



Jacqueline Israel, MD
Associate Program Director
Plastic Surgery Residency

Educational Initiatives in Plastic Surgery

This past year marked the successful completion of our 9th annual Microsurgery Course, a cornerstone event in our educational calendar. We were honored to host distinguished international instructors from South Africa, enriching our program with diverse perspectives and expertise.

Moreover, several members of our division embarked on a global health trip to Vietnam, where we conducted a microsurgery course. This initiative not only expanded

our reach but also underscored our commitment to advancing surgical care in underserved communities throughout the world. Notably, the course featured the use of innovative 3D printed microscopes designed by Sahand Eftekari, enhancing accessibility to essential surgical techniques in resource-limited settings.

In the pursuit of enhancing surgical skills and advancing knowledge within the field of plastic surgery, we also expanded our cadaver tissue dissection courses this academic year. Through generous support from industry sponsors, we have significantly increased the breadth and depth of our educational offerings, catering to the diverse interests and needs of our surgical community.



resident education

Throughout the past year, our cadaver tissue dissection courses have encompassed a wide range of specialized topics, including:

- **Wrist Arthroscopy Workshops:** Providing hands-on experience in the intricate techniques of wrist arthroscopy, these workshops have empowered participants to refine their skills in diagnosing and treating wrist pathologies.
- **Carpal Tunnel Release and Trigger Finger Release with Ultrasound Guidance:** Leveraging ultrasound guidance, these courses have equipped attendees with the proficiency to perform minimally invasive procedures for carpal tunnel release and trigger finger release, optimizing patient outcomes and recovery.

- **Mandibular Reconstruction Workshop:** Addressing complex reconstructive challenges, this workshop held in conjunction with Otolaryngology delved into the nuances of mandibular reconstruction using fibula flaps, fostering competency in restoring form and function for patients with mandibular defects.
- **Craniofacial Trauma Course:** Offering comprehensive instruction in the management of craniofacial trauma, this two-part course provided surgeons in Plastic Surgery and Otolaryngology with the knowledge and skills essential for addressing traumatic injuries to the craniofacial region with several different plating techniques.



resident education

- **Facelift Workshop:** Exploring the intricacies of facial rejuvenation surgery, this workshop provided participants with hands-on experience in performing facelift procedures, emphasizing techniques for achieving natural-looking results while ensuring patient safety and satisfaction.

These cadaver tissue dissection courses serve as invaluable platforms for continuous learning, collaboration, and skill refinement, empowering our residents to deliver the highest standard of care to their future patients. We are immensely grateful to our industry sponsors for their support in enabling us to expand and enrich our educational offerings, ultimately advancing the practice of plastic surgery and improving patient outcomes.



Residency Growth

General Surgery (Rural Track)

Our General Surgery Residency is thrilled to unveil an enhanced rural track residency program, set to commence in the upcoming academic year! Traditionally, our program has accommodated one rural track resident per class. However, looking ahead, we are excited to announce that we will be welcoming two residents into the rural/community track annually.



Mark Bigbey
*Incoming General Surgery
(Rural Track) Resident*



Gabrielle Kuhn
*Incoming General Surgery
(Rural Track) Resident*

Both nationally and within our state, there is a growing demand for rural surgeons. Recent statistics reveal that 34% of rural hospitals anticipate a surgeon departing within the next two years, while more than one third of hospitals are actively seeking general surgeons. In response to this pressing need, we are ecstatic to have received approval to double the number of rural track graduates, thereby contributing significantly to addressing this demand!

We are delighted to introduce Mark Bigbey and Gabrielle Kuhn as the rural track residents for the academic year 2024-2025!

Otolaryngology Head & Neck Surgery (OHNS)

Looking ahead, the UW OHNS Residency program is thrilled to announce that we will now be matching four residents annually! Renowned nationally for cultivating the next cohort of industry leaders, our program consistently attracts over 420 applications for what had previously been three available positions each year. Currently, we nurture 15 residents in a specialty consistently ranked among the top five nationally for its competitiveness and appeal. According to the 2023 National Resident Matching Program data, OHNS faced the second-highest percentage of unmatched MD seniors, with a staggering 26.7% of MD seniors remaining unmatched. Addressing this disparity in training opportunities for eager applicants is a challenge our program is fully equipped and enthusiastic about tackling.

Dr. Devashish Joshi Selected for Induction into The Alpha Omega Alpha Honor Society

Dr. Devashish Joshi, a resident in general surgery, has been honored with induction into the esteemed Alpha Omega Alpha (AOA) honor society. AOA stands as a pinnacle among national medical societies, reserving its membership for individuals who exemplify the utmost standards of professionalism and achievement in their fields.

Committed to advancing the practice of medicine for the betterment of all, AOA champions several pillars: recognizing exceptional educational attainment, celebrating exceptional teaching prowess, nurturing the growth of leaders within academia and the broader community, fostering the principles of humanism, and advocating for service to others.

The visionary founder of AOA, Dr. William Root, encapsulated its ethos with the words, “Be worthy to serve the suffering.” Each year, a select few resident and fellow members are chosen for this prestigious distinction. Dr. Joshi’s inclusion in this exclusive cohort came through nomination by medical students, a testament to the profound respect and admiration he commands from those who have had the privilege to work alongside him.



Devashish Joshi, MD
General Surgery Resident

Improving Policy for the Pregnant Surgeon

In January 2024, the Department of Surgery introduced and enacted a comprehensive policy aimed at enhancing the perinatal care provisions for our surgical trainees. This evidence-based policy emphasizes clarity, translatability, and enforceability, ensuring a supportive framework for surgeons during pregnancy. It delineates the requisite training program prerequisites and responsibilities, alongside offering tailored recommendations for pregnant surgeons. Addressing a spectrum of considerations such as perinatal appointments, physical accommodations, work hours, environmental risk factors, and beyond, this policy stands as a testament to our commitment to the well-being and professional development of our surgeons and surgical trainees.

Pregnant surgeons face a heightened risk of encountering significant pregnancy complications when compared to their non-surgeon counterparts. These complications may include preterm delivery, intrauterine growth restriction, infertility, and miscarriage. Extensive studies have indicated that the average obstetric complication rate among surgeons falls within a notable range of 25% to 82%, significantly surpassing the general US population’s average of 5% to 15%, as reported in the literature. These findings underscore the importance of tailored support and comprehensive policies to safeguard the well-being of pregnant surgeons and mitigate potential risks associated with their unique professional demands.

Congratulations, Michaela Gombar!



Michaela Gombar
*DOS Surgical Fellowships
Manager*

We are excited to recognize our Surgical Fellowships Manager, Michaela Gombar, on her acceptance into the prestigious ASE Surgical Educational Research Fellowship (SERF) program!

The SERF program is designed to equip individuals with the skills and knowledge needed to plan, implement, and report educational research studies within the field of surgery. Michaela's acceptance into this program is a testament to her dedication, passion, and outstanding abilities.

As a valued member of our department, Michaela has consistently demonstrated a strong commitment to excellence and a passion for advancing surgical education. Her acceptance into the SERF program is a well-deserved recognition of her hard work and expertise.

Dr. Dan McCarthy: New Cardiothoracic Fellowship Program Director



Dan McCarthy, MD, MBA
*Program Director
Cardiothoracic Surgery
Fellowship*

We are thrilled to announce the appointment of Dr. Dan McCarthy as the new leader of the Cardiothoracic Surgery Fellowship program. Dr. McCarthy brings with him a wealth of experience and expertise in clinical education, particularly for medical students, residents, and cardiothoracic surgery fellows. Renowned for his dedication and advocacy within the training programs, he has consistently demonstrated his commitment to fostering excellence.

In his previous role as Associate Program Director, Dr. McCarthy showcased his outstanding capabilities through innovative initiatives and effective leadership, significantly enhancing various educational activities. We are confident that under his guidance, the Cardiothoracic Surgery Fellowship program will continue to flourish and excel.

We would also like to take this opportunity to extend our heartfelt gratitude to Dr. Malcolm DeCamp for his exemplary leadership and contributions to the program. Under Dr. DeCamp's guidance, the program has reached new heights, and his dedication has laid a strong foundation for future success. We are deeply appreciative of his invaluable service and wish him the very best in his future endeavors.

Mini Updates from our Fellowship Programs

CARDIOTHORACIC

Simulation: The KindHeart simulation program got back online this academic year after a hiatus due to the COVID-19 pandemic and outside circumstances. Fellows are able to work on fundamentals of cardiopulmonary bypass management, coronary artery bypass grafting, aortic valve, and great vessel surgery. KindHeart utilizes perfused porcine hearts to simulate what the fellows experience in the OR. The Cardiothoracic Program also added monthly simulation sessions focusing on Thoracic areas and Cardiac topics that don't use KindHeart. Working towards a robust Cardiothoracic simulation curriculum has been a focus this year.

Graded Autonomy: The Cardiothoracic Surgery Fellowship program rolled out graded autonomy expectations for both Cardiac and Thoracic rotations. These expectations include outlines for all three years of fellowship and allow for fellows to progress at their own speed while giving them an idea of where they should be technically as they move through the program. This is an important step in making sure fellows and faculty are aligned with what fellows can expect to do in the OR.



Julia Nugent, MD
*Colon and Rectal
Surgery Fellow*

COLORECTAL

Dr. Julia Nugent, a Colon and Rectal Surgery Fellow, was able to attend this year's ACGME Colon & Rectal Surgery Stakeholder Summit on November 13, 2023, and described her experience as follows: "This Summit was a meeting of leaders in Colon & Rectal

Surgery fellowship-level education, and we discussed plans for improvements in the fellowship curriculum and requirements looking forward to the next ACGME curriculum performed every 10 years. I was fortunate to share my experiences in fellowship at the University of Wisconsin and advocate for the perspectives of current fellows to these leaders."

Assessment Counts		
EPA	Submitted by trainee	Submitted by faculty
Benign Anorectal Disease	3	2
Benign or Malignant Colon Disease	27	25
Small Bowel Obstruction	2	1

EPAs: The Colon and Rectal Surgery Fellowship implemented General Surgery EPAs as assessments in the fellowship this year. A total of 58 assessments have been completed (as of March 2024) by the fellow and faculty in three main areas: Benign Anorectal Disease, Benign or Malignant Colon Disease, and Small Bowel Obstruction. For the future, the Association of Program Directors for Colon and Rectal Surgery is working on generating specialty-specific EPAs. This early implementation puts the program ahead and offers another type of feedback assessment for trainees.

COMPLEX GENERAL SURGICAL ONCOLOGY

Recruitment: The Complex General Surgical Oncology Fellowship recruits one new fellow every other year. 2024 was a recruitment year, and the program completed a revitalization of its recruitment practices. A new pre-screen process including

evaluations was implemented to determine which candidates to invite to interview. Previously, the pre-screen process focused heavily on quantitative metrics, such as test scores and research productivity. This year, more qualitative and holistic metrics were integrated into the evaluation, such as rating applicant’s involvement in different activities, diversity of experiences, and content in letters of recommendation. USMLE and ABSITE scores were still metrics in the evaluation, but they were weighted much less heavily than in previous years. The group will continue to discuss and improve this process to seek the most equitable way forward for our applicants.

On interview day, faculty were assigned specific behavioral and competency-based interview questions for each room they were in, and the feedback from applicants was that these questions were “appropriate, fair, and appreciated.” The group also edited their interview evaluations, eliminating potentially harmful terms and ideas such as applicants being “a good fit.”

Assessment Counts

EPA	Submitted by trainee	Submitted by faculty
Benign or Malignant Breast Disease	0	5
Bile Duct Injury	0	2
Cystic Pancreatic Mass	0	1
Liver or Gallbladder Mass	0	4
Multi-Disciplinary E&M HPB Disease	0	1
Persistent or recurrent hyperparathyroidism	0	1
Solid Pancreatic Mass	0	8
Ultrasound	0	1
Generic Microassessment	0	11

EPAs: General Surgery EPAs as assessments were implemented in the Surgical Oncology Fellowship this year. A total of 34 assessments have been completed (as of March 2024) by faculty in the areas of Surgical Oncology-specific EPAs, Endocrine Fellowship EPAs (during Endocrine rotation), and generic microassessments. This early implementation will help the program prepare when specialty-specific EPAs are released by the ABS in the future.

ENDOCRINE

Fellowship Expansion:

The Endocrine Surgery Fellowship was recently approved to expand 1.0 FTE for the 2024-2025 academic year and beyond. We are excited to share that Dr. Betty Allen, current general surgery resident, will be our second fellow this coming academic year.



Betty Allen, MD
*Incoming Endocrine
Surgery Fellow*

Expansion of Clinical Training: Through the expansion of the program’s faculty complement, the Endocrine Surgery Fellowship program has been able to enhance the fellows’ scope of training to include robotic adrenal operations and radiofrequency ablation.





Implementation of Program Evaluation and Clinical Competency Committee Processes:

As a program accredited by the American Association for Endocrine Surgery, the UW Endocrine Surgery Fellowship does not have the same guidelines as the ACGME regarding semi-annual Program Evaluation and Clinical Competency Committee meetings. This year, the fellowship implemented these meetings and processes in order to develop the program more strategically and match the efforts of other fellowships in the department. Many great ideas and action items arose from the first set of meetings, including revitalization of recruitment processes, standardization of feedback (implementing Individualized Learning Plans and expanding surveys to include resident feedback), and structuring formal curriculum offerings (journal clubs and revamping Friday Endocrine Conferences).

MIS, FOREGUT, AND BARIATRIC

Fellow Endoscopy Course: The national 2024 SAGES Endoscopy Course for Fellows will be hosted at the UW in September 2024. Drs. Shada and Juza are serving as the course co-chairs.

EPAs: The Fellowship Council, the program's accrediting body, is the leader in fellowship EPA implementation amongst surgical specialties. While most specialties do not have specialty-specific EPAs created, the Fellowship Council has created and implemented EPAs in its programs. The UW's MIS program as of March 2024 has completed 196 assessments.

Individualized Learning Plan Implementation:

The MIS Program implemented an Individualized Learning Plan (ILP) process to its fellowship this year. It mimics current General Surgery Residency Clinical Competency Committee/Program Evaluation Committee ILP processes. The process is completed quarterly, and starts with fellows completing a self-assessment of their performance, sending case logs, and collecting EPA data. Self-assessment data is then discussed as a group at MIS Division Faculty Meetings. Finally, feedback generated from the faculty at those meetings is compiled and fellows meet with the Program Director and Associate Program Director to discuss the data, any discrepancies, and create goals to move forward in the fellow's training. This process aims to help create a more formal dissemination of feedback from trainees to faculty, and then back to trainees.



Amber Shada, MD
2024 SAGES Course Co-Chair



Ryan Juza, MD
2024 SAGES Course Co-Chair

fellowships

SURGICAL CRITICAL CARE/ ACUTE CARE SURGERY

Fellowship Expansion: The fellowship has been approved by the institution to add a second year Acute Care Surgery fellowship following trainees' first year Surgical Critical Care Fellowship. This second year is pending accreditation through the American Association for the Surgery of Trauma

Combined Education Calendar: Surgical Critical Care is just one of several multidisciplinary critical care programs at the UW. The Critical Care Anesthesiology program put together a shared calendar of all Critical Care education conferences in the system. For trainees or faculty interested in

critical care, simply add the "CC Education" calendar as a shared calendar on Outlook to access.

Ultrasound Curriculum: This year, the program was able to send the current Surgical Critical Care Fellow, Dr. Mariya Kochubey, to the Society of Critical Care Medicine's Advanced Ultrasound Course. This program aims to amplify trainees' skills in Echocardiography, which had been cited as an area for improvement for the program in the past.



Mariya Kochubey, MD
Surgical Critical Care Fellow

simulation education

Machine Learning for Simulation Assessment

Assessing surgical skills objectively is crucial. However, existing evaluation methods often rely on subjective judgments from experts, which can be time-consuming and prone to bias. To address this, Drs. Paul DiMusto, Nicole Werner, and Shlomi Laufer along with Ido Zuckerman, Emma Huston, and Shannon DiMarco conducted a recent study titled, "Enhancing Surgical Skill Evaluation: A Suturing Quality Assessment with Computer Vision." The study introduces a computer vision-based approach for automatically assessing open surgical skill, with a specific focus on suturing proficiency.

The experimental setup involved using a suture pad simulator to create a controlled environment for suturing tasks. Twenty-three participants performed running suturing tasks on the simulator. Additionally, 28 participants with postgraduate experience (greater than three years) were invited to rate the expertise

displayed in each image using a 1-5 Likert scale.

Two advanced machine learning algorithms were employed: YOLOv8 (which is used to delineate the stitches by drawing bounding boxes around them and ResNet (which determined the orientation of each suture within its respective bounding box).

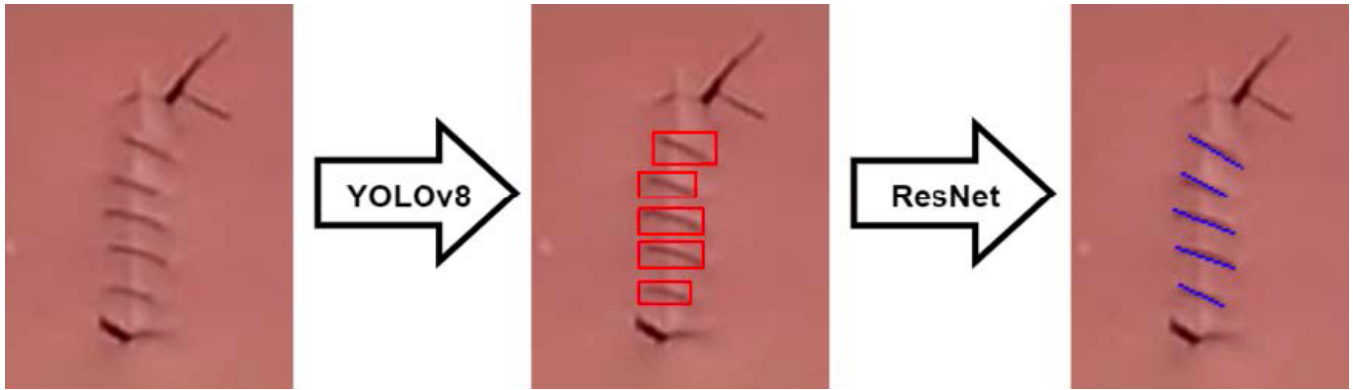
Three metrics were calculated to quantify surgical skill: (1) parallelism between stitches, which was measured as the average angle between sutures; (2) variation in distances, which examined the differences between adjacent suture distances; and (3) variation in stitch length, which analyzed the length of individual stitches.

The hypothesis was that higher-ranked images (deemed "expert") would exhibit smaller angles and lower variations in both suture distance and stitch length. Spearman correlation tests revealed statistically

simulation education

significant correlations between the calculated metrics and the expertise ratings for each task. These results provide evidence for the potential of using computer vision algorithms to provide an objective, automated

assessment of surgical skills in open suturing tasks. Such an approach could significantly enhance existing evaluation methods.



Liver Transplant Model

Dr. Kelly Collins has developed a liver transplant model and offers a biweekly simulation session for residents and medical students rotating on the transplant service. This simplified liver transplant model has been designed to accommodate a diverse spectrum of learners, ranging from medical students to fellows. It covers various surgical techniques germane to liver transplantation. These techniques span a wide range

of procedures from general vascular anastomosis and liver implantation techniques, as well as the setup of bicaval, piggyback, and side-to-side cavocavostomy. The overarching objective is to foster familiarity with these transplant-specific maneuvers in a low-stress environment and enhance performance during liver transplant hepatectomy and liver implantation.



Department of Surgery Global Surgery Program

The Department of Surgery Global Health Outreach initiatives span several continents. Currently, we have developed partnerships in Egypt, Honduras, Vietnam, Ethiopia, Rwanda, and South Africa. Our global surgery program is centered around the Wisconsin Idea, spanning beyond state boundaries.

We strive to create a global learning environment where patient care, research, and innovation are shared goals with our partners. International travels have been resumed and we are looking forward to yet another productive year.

BALDWIN GRANT

- Building capacity for surgical quality improvement
- Led 2-day workshops on perioperative QI

RESEARCH CAPACITY BUILDING

- Submitted 9 abstracts to COSECSA with Hawassa trainees
- Helped organize Fundamentals of Surgical Research Course

LAPAROSCOPIC SURGERY

- Launched laparoscopic surgery in Hawassa - *in collaboration with University of Utah*
- Teaching fundamentals and basic procedures

GLOBAL SURGERY CENTER

- Hosted a Global Surgery Center Retreat
- Identified the mission, vision, and areas of focus for the center



Vascular Surgery

Since 2016, the Division of Vascular Surgery has developed a global health partnership with the Addis Ababa University Department of Surgery in Ethiopia. With the leadership of Professor Nebyou Seyoum, this partnership has been critical in introducing vascular surgery in Ethiopia and in further developing the Vascular Surgery Fellowship program, which remains unique in the eastern Africa region. The fellowship program has graduated three fellows and has four currently enrolled. The faculty from the UW Division of Vascular Surgery have traveled to Addis Ababa to teach and provide support. This year, fourth year Vascular Resident, Elise DeRoo and first year fellow, Alexis Graham, will travel in April and May 2024, along with two operating room nurses and two Vascular Surgery Faculty members.

Plastic Surgery

For over three decades, the Division of Plastic Surgery has partnered with surgeons and institutions around the globe to establish and support training within this specialty. Experiences focus on the creation of sustainable longitudinal educational opportunities and resources to enable high-level training with each partner site at a local level. Bidirectional conferences (even before the rise of Zoom), sharing of online resources, and bidirectional in-person visits facilitate continued competency and foster the ongoing personal relationships that our division values. While the educational content spans the breadth of Plastic Surgery, we emphasize elements that address the maladies that are most commonly present to our partners, such as congenital malformations, burns, cancer reconstruction, and trauma reconstruction. As Global Surgery efforts have restarted following the pandemic, our teams have visited Egypt, Vietnam, Nepal, Rwanda, Ethiopia, and South Africa. At each

of these sites, our staff has provided lectures and anatomy labs, and assisted in cases ranging from complex extremity reconstruction to breast care, aesthetics, and congenital malformations. Recently, Dr. Poore and a team of students and residents traveled to Hanoi, Vietnam, and Johannesburg, South Africa, to teach formal courses in microsurgical reconstruction. In cooperation with the American College of Surgeons (ACS) and the countries making up the College of Surgeons of East, Central, and Southern Africa (COSECA), we will continue to participate in a collaborative training site in Rwanda through the SHARE Program. It is the hope that participation at this site by multiple programs around the U.S. will enable a degree of continuity in teaching throughout the year.

Otolaryngology-Head & Neck Surgery

The Division of Otolaryngology-Head & Neck Surgery recently completed a global otolaryngology surgical trip to La Ceiba, Honduras. In collaboration with Dr. Rigoberto Tabora and the staff of the Hospital Vincente D'Antoni in La Ceiba, a team with members from the UW, the University of Nebraska, and the University of Chicago provided care to approximately 200 Hondurans from the region. Dr. Mike McDonald has led this collaboration over the last 20 years, which has expanded into a trip providing audiology screening and hearing aid distribution as well as medical and surgical care for otolaryngology illnesses. The team performed 30 surgical cases over 5 days including thyroidectomy for goiters and thyroid cancers, parotid surgery, endoscopic sinus surgery for advanced nasal polyposis, tympanoplasty and tympanomastoidectomy for chronic otitis media and cholesteatoma, and removal of benign neck masses including lipomas and vascular malformations. The patients ranged from young children with congenital malformations to

elderly patients with neck masses and skin cancers. More than 100 hearing aids were distributed as part of a philanthropic effort from the Starkey hearing aid company. The team also collaborated with a local high school for interpreter services and training on the use of audiometers and hearing aid fitting. This group of students and faculty will continue to provide hearing screening and hearing aid distribution throughout the year. Additionally, consultation with local general surgeons, surgical oncologists, and medical oncologists regarding head and neck cancer cases was undertaken. We are grateful for the collaboration with Dr. Tabora, who screens patients prior to our trip and assists with their post-operative management. An otolaryngology chief resident, Dr. Liam Duffy, participated in this global surgery trip and enjoyed a busy week of clinical work.

Awards and Ongoing Global Surgery Projects

Dr. Kristin Long was recently awarded the Society of University Surgeons Global Surgery Scholar award for her work with hybrid global surgery efforts over the last several years. This includes ongoing collaborative work with the ACS Hawassa University consortium, in addition to board examinations for the COSECSA. She is on the executive council of the Association of Academic Global Surgeons, which just completed its first successful hybrid assembly meeting from a low-resource setting, in conjunction with the West African College of Surgeons meeting in Sierra Leone in March 2024. In conjunction with several other UW faculty, she also participated in the ACS H.O.P.E.-sponsored educational workshop at the COSECSA meeting in Addis Ababa, Ethiopia, in December 2023.

Dr. Nabeel Zafar has successfully led the design and implementation of an mHealth-based data collection tool to build a peri-operative registry at Hawassa



University; this project is ongoing. Dr. Zafar also led two quality improvement training workshops in December at University Teaching Hospital in Lusaka, Zambia, and at Hawassa University in Ethiopia.

Future State: Global

Consistent with the Department of Surgery strategic planning process, the Global Surgery workgroup is laying the foundation for the development of the Global Surgery Center. This center will strive to serve all surgical disciplines and anesthesia.

OUR MISSION


"The Center for Global Surgery at the University of Wisconsin strives for equitable access to excellent patient care across the global community through innovative partnerships that leverage the strengths of diverse teams."

OUR VISION

"Health equity through innovative and mutually beneficial research, service, and health education at sustainable multi-disciplinary global hubs."

Continuing Medical Education Monthly Newsletter

Introduced in November 2023, our Continuing Medical Education (CME) Monthly Newsletter is meticulously crafted and distributed to all members of the Department of Surgery. Each edition serves as a beacon, illuminating the latest developments within our department. From showcasing the month's grand rounds to highlighting noteworthy educational opportunities, the newsletter is a comprehensive guide to the educational journey ahead. Moreover, it shines a spotlight on select CME activities, ensuring that our colleagues stay informed and engaged. Beyond this, it serves as a platform for disseminating updates from esteemed bodies such as the ABS and UW-Interprofessional Continuing Education Partnership, alongside invaluable insights from our own departmental CME program.



Department of Surgery
UNIVERSITY OF WISCONSIN
SCHOOL OF MEDICINE AND PUBLIC HEALTH

Continuing Medical Education Monthly

UPCOMING GRAND ROUNDS

Wednesdays at 7:20 - 8:20am


Note: April Departmental date change from April 17th to April 10th

April 3, 2024
Ellie Kuhlberg, MD – Chief Resident Presentation
General Surgery Resident, Department of Surgery
University of Wisconsin-Madison

April 10, 2024 – Departmental Grand Rounds
Julia Greenberg, MD, FACS – Resident Choice Visiting Professor
Associate Professor of Surgery
Chief, Division of Minimally Invasive Surgery
Duke University School of Medicine- Durham, NC

April 17, 2024
Nicole Reedy, MD – Chief Resident Presentation
General Surgery Resident, Department of Surgery
University of Wisconsin-Madison

April 24, 2024
Asta Conzonella, MD, MPH, FACS – MS Visiting Professor
Chief, Division of Minimally Invasive Bariatric and General Surgery
Anthony M. Harrison, MD Chair in Surgery, Professor of Surgery
Director, SAGES Fellowship Program, UPAC
Co-Director, University of Pittsburgh Surgical Outcomes Research Center (PittSORCE)
University of Pittsburgh, Pittsburgh, PA



SAVE THE DATES:

September 6, 2023
October 4, 2023
November 15, 2023
December 6, 2023
January 31, 2024
February 28, 2024
March 20, 2024
April 10, 2024
May 1, 2024
May 29, 2024

Need more CME?? Check out options below

**2024 Bioethics Symposium:
AI, Ethics, and Health Care**
April 11, 2024

Artificial intelligence has taken the world by storm — including the world of health care. Many have touted AI's promise for improving diagnosis, clinical judgment, and patient care. At the same time, the growing presence of AI in health care raises formidable ethical challenges. Algorithmic bias can exacerbate inequities. AI in the clinic can erode trust between patients and clinicians. And accountability can be undermined when opaque algorithms replace human deliberation.

The Symposium will establish a broad roadmap for using health-centered AI in ways that are equitable, empathetic, and empowering.

[Learn More](#)

Quality and Safety Conference
July 18–22, 2024 | Denver, CO

The ACS Quality and Safety Conference strives to:

PROVIDE a professional forum to discuss and apply the most recent knowledge pertaining to national, international, and local quality and safety initiatives in the field of surgery.

PRESENT methods used to analyze data from ACS Quality Programs and demonstrate practical ways to use the data for quality improvement.

ENHANCE the learning experience by offering breakout sessions that educate attendees on the topic areas of their choice and with consideration of their level of programmatic experience.

[Learn more](#)

Clinical Congress 2024
October 19 - October 22
San Francisco, CA

Save the date for Clinical Congress 2024, Saturday, October 19 through Tuesday, October 22 in San Francisco, California!

Every year, Clinical Congress offers outstanding educational opportunities for every stage in your surgical career—all in one place. Learn from distinguished experts, hear about groundbreaking procedures and research, network with peers from around the globe, and gain clinical and non-clinical knowledge and skills that you can immediately put into practice.

[Learn more](#)

Faculty Central Updates

[view full newsletter here](#)

Register for 2024 UWEMPH Education Scholarship Retreat

Join the Office for Faculty Affairs and Development on Wednesday, October 30, 2024 from 8 am - 12:30 pm for the second Education Scholarship Retreat. Participants should expect to be engaged in discussion and collaboration from this retreat with education and credit hours from this retreat with.

Register for Pathways To Promotion 102 for CHS/CT Faculty Weds October 16, 2024

[Register here](#)

This interactive workshop is tailored to CHS and CT track faculty who expect to go up for promotion within the next year or less. Attendees are also.

Updates from ICEP and DoS CME

Check your ICEP Accounts

As the ABS and other specialty boards move to an auto transfer of CME credit, please be sure your accounts are up to date with accurate board ID information. Instructions attached.


[https://www.icep.org/](#)

Medication Access and Training Expansion Act (MATE) Resources

What is the Medication Access and Training Expansion (MATE) ACT?

The Medication Access and Training Expansion (MATE) Act, requires new or renewing Drug Enforcement Administration (DEA) registrants, as of June 27, 2023, to have completed a total of at least 8 hours of training on opioid or other substance use disorders, as well as the safe pharmacological management of dental pain.

Find more information click [here](#)



Veronica Watson, Ed.D
Outreach and Continuing Education Program Manager
Watsonv@surgery.wisc.edu

[Education Calendar](#)
[Continuing Medical Education on the Intranet](#)

Departmental Grand Rounds brings together all divisions in the Department of Surgery to participate in a monthly Grand Rounds aimed to highlight topics applicable across specialties. It is an opportunity to highlight our visiting professors and experts in various areas of surgery.

Per the Faculty Professional Expectations policy, faculty must attend at least 4 out of 10 mandatory Department Grand Rounds, in-person preferred, over 12 months of the fiscal year.

Highlighted Departmental Grand Rounds

We are steadfast in our commitment to foster collaboration across all divisions within the Department of Surgery, convening monthly grand rounds that illuminate topics relevant to a spectrum of specialties. This year, we were honored to host an exceptional array of visiting experts (highlighted on the following two pages), each sharing groundbreaking advancements in the field of Surgery and beyond. Our dedication to advancing diversity, equity, and inclusion, as well as nurturing a culture of inclusivity and respect, remains unwavering. Furthermore, we are proud to offer physicians the opportunity to fulfill their mandatory two credit hours of approved CME through comprehensive training in responsible opioid prescription practices.

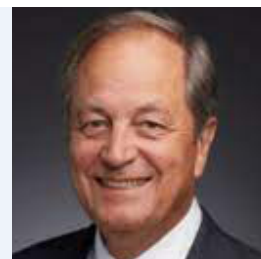
Continued

continuing medical education

ERAS the ERAS Society Way

Olle Ijungqvist, MD, PhD

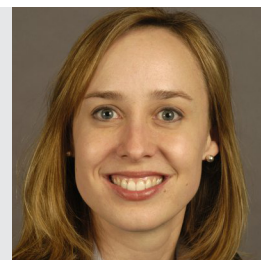
Professor of Surgery at Örebro University and Karolinska
Institutet Sweden



Growing a Network: The Importance of Connectivity

Stacey Tutt Gray, MD

Associate Professor of Otolaryngology–Head and Neck Surgery
Vice Chair of Otolaryngology Education
Harvard Medical School



Resident Research Day

Research conducted in academic year 2023–2024

by Department of Surgery Trainees
University of Wisconsin–Madison



Trauma-Informed Care: The Art of Creating a Safe Space

Heather Abernethy, MD

Assistant Professor
Department of Anesthesia
University of Wisconsin–Madison



Optimizing Rural Surgical Care Through Understanding, Cooperation and Collaboration

Jill Ties, MD

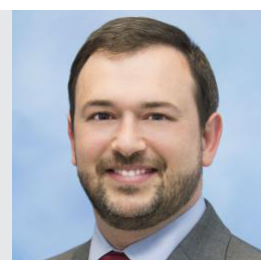
Chief of Staff, Medical Director of Breast Care
St. Croix Regional Medical Center



Postoperative Pain Management and the Opioid Epidemic

Tudor Borza, MD, MS

Assistant Professor, Department of Urology
Michigan Medicine, University of Michigan

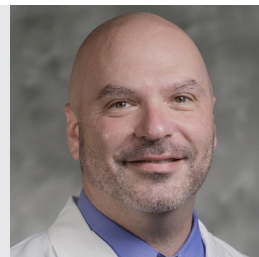


continuing medical education

Sparking Joy and Having Impact

Jacob A. Greenberg, MD

Associate Professor of Surgery
Chief, Division of Minimally Invasive Surgery
Duke University School of Medicine



Peer Support: When “Walking It Off” Is Not a Sustainable Strategy

Jo Shapiro, MD

Associate Professor of Otolaryngology-Head and Neck Surgery
Director, Center for Professionalism and Peer Support
Brigham and Women’s Hospital, Harvard Medical School



Supporting our Colleagues at UW Health

Mariah A Quinn MD MPH FAACP, MD

Associate Professor of Internal Medicine
Chief Wellness Officer, UW Health
University of Wisconsin–Madison



Brian Sharp, MD

Associate Professor
Medical Director of Patient Safety & Quality, UW Health
University of Wisconsin–Madison



Enhanced Stress Resilience Training for Surgeons: How Individual-Level Interventions Shape Systems and Culture

Carter Lebares, MD

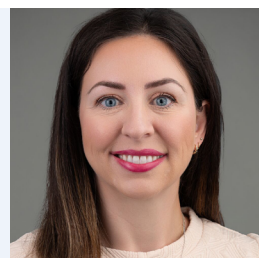
Associate Professor of Surgery, Division of General Surgery
Director, UCSF Center for Mindfulness in Surgery
Department of Surgery, University of California, San Francisco



Providing a Safe Pregnancy Experience for Surgeons

Tiffany A. Glazer, MD

Associate Professor, Division of Otolaryngology-Head & Neck Surgery
Otolaryngology-Head & Neck Surgery Residency Program Director
University of Wisconsin–Madison



University of Wisconsin Aortic Symposium

Scheduled for September 2024, the UW is set to host the highly anticipated Aortic Symposium! This comprehensive course is designed to equip physicians and Advanced Practice Providers (APPs) with the essential knowledge needed to effectively manage both acute and chronic aortic conditions that they may encounter in their clinical practice.

Featuring distinct sessions, this symposium caters to different specialties and levels of expertise. Some sessions will delve into the fundamental aspects of aortic aneurysms and chronic aortic disease, tailored specifically for Primary Care Physicians (PCPs), cardiologists, and APPs. Sessions will also concentrate on acute aortic syndromes, including aortic dissection, and will be particularly beneficial for Emergency Room physicians and APPs.

All sessions will provide invaluable insights into surgical principles, with presentations delivered by esteemed vascular and cardiothoracic surgeons. This symposium promises to be an enriching experience, fostering collaboration and enhancing clinical proficiency in the intricate realm of aortic conditions.

Learning objectives for the symposium include:

1. Identifying patient groups at increased risk for developing aortic pathology.
2. Applying the correct diagnostic and surgical techniques for the appropriate aortic pathology.
3. Discussing current trends in aortic surgery and applying current guidelines.

The Multidisciplinary Airway Conference is Back!

The Multidisciplinary Airway Conference offers a comprehensive exploration of critical airway topics through a dynamic format. It begins with an insightful didactic session followed by the presentation of 1-3 intricate cases. Each case is thoroughly dissected by a team of experts spanning various disciplines including pediatric otolaryngology, anesthesiology, emergency medicine, pulmonology, immunology, sleep medicine, surgery, critical care, genetics, neonatology, and cardiac surgery, among others. This collaborative approach fosters rich discussion and insights, elevating the understanding of complex airway issues and enhancing patient care.

Selected cases are chosen for their profound educational impact and interdisciplinary relevance, ensuring attendees glean practical insights applicable across specialties. The conference serves as a vital platform for fostering interdisciplinary comprehension,

bolstering collaboration, and pinpointing opportunities for enhancing patient outcomes.

The overarching learning objectives of the conference are threefold:

1. To expand participants' knowledge and proficiency in managing patients with surgical and other airway disorders, tailored to their respective training levels and roles within the collaborative care team.
2. To facilitate discussions aimed at refining patient care strategies through interdisciplinary collaboration, emphasizing the importance of preparedness, adherence to best practices, system enhancements, and the constructive evaluation of near misses.
3. To chart a course for research endeavors in this domain, anchored in core values, be it in the realm of quality improvement, clinical research, or basic science, thereby driving innovation and advancing the field.

A Year in Review

Here is a sample of some of the surgical education research that has been published by Department of Surgery colleagues throughout the past year:

Jung S, Rosser AA, Alagoz E. Engaging the Entire Learner: Pathway Program Administrators' Experiences of Providing Students with Research Experiences in Academic Medicine. *J Med Educ Curric Dev*. 2023 Aug 1;10:23821205231189981. doi: 10.1177/23821205231189981. PMID: 37538106; PMCID: PMC10395169.

Keller DS, Alli VV, Winslow ER, Goldberg JE, Tsutsumi A, Ahuja V. Video-based Coaching: Current Status and Role in Surgical Practice, Part II- Practical Implementation and Risk Mitigation from the Society for Surgery of the Alimentary Tract, Health Care Quality and Outcomes Committee. *J Gastrointest Surg*. 2023 Dec;27(12):2876-2884. doi: 10.1007/s11605-023-05866-8. Epub 2023 Nov 16. PMID: 37973766.

Krecko LK, Jung S, Martin S, Krebsbach C, Rosser AA, Stahl C, Varley P, Greenberg J, Minter RM. Enhancing the Value of Surgical Entrustable Professional Activities through Integrative Learning Analytics. *J Surg Educ*. 2023 Oct;80(10):1370-1377. doi: 10.1016/j.jsurg.2023.07.018. Epub 2023 Aug 17. PMID: 37596105.

Millar JK, Matusko N, Evans J, Baker SJ, Lindeman B, Jung S, Minter RM, Weinstein E, Goodstein F, Cook MR, Brasel KJ, Sandhu G. Faculty Entrustment and Resident Entrustability. *JAMA Surg*. 2024 Mar 1;159(3):277-285. doi: 10.1001/jamasurg.2023.6915. PMID: 38198146; PMCID: PMC10782383.

Rasic G, Parikh PP, Wang ML, Keric N, Jung HS, Ferguson BD, Altieri MS, Nahmias J. The silver lining of the pandemic in surgical education: virtual surgical education and recommendations for best practices. *Global Surg Educ*. 2023;2(1):59. doi: 10.1007/s44186-023-00137-1. Epub 2023 May 24. PMID: 38013862; PMCID: PMC10205563.

Shaffrey EC, Edalatpour A, Nicksic PJ, Nkana ZH, Michelotti BF, Afifi AM. Rise Above the Competition: How Do Plastic Surgery Residency Applicants with NCAA Experience Fare in the Residency Match? *Aesthetic Plast Surg*. 2023 Jul 27. doi: 10.1007/s00266-023-03513-w. Epub ahead of print. PMID: 37500905.

Shaffrey EC, Zeng W, Nicksic PJ, Eftekari SC, Frank JM, Dingle AM, Poore SO. Perforator Dissection Porcine Abdominal Model: A Novel Simulator to Improve Microsurgical Training. *J Reconstr Microsurg*.

2024 Feb 23. doi: 10.1055/s-0044-1779719. Epub ahead of print. PMID: 38395058.

Zelenski AB, Haug K, Bushaw KJ, Buffington A, Bradley T, Kwekkeboom KL, Stalter L, Hanlon BM, Wakeen MJ, Jhagroo RA, Maursetter LJ, Johnson SK, Campbell TC, Schwarze ML. Embedding an Education Intervention about Shared Decision Making into an RCT: Ensuring competency and fidelity. *PEC Innov*. 2024 Feb 2;4:100260. doi: 10.1016/j.pecinn.2024.100260. PMID: 38347862; PMCID: PMC10859294.

Additionally, the Surgery Clinical Research Continuum: High School to College Program was awarded the ASE Reed Williams Excellence in Innovation in Surgical Education Award for 2024. The Research Continuum program provides a six-week clinical research and healthcare career exposure experience for high school students between their junior and senior year, with the option to return as alumni during their undergraduate education for additional research mentorship. The Excellence in Innovation Award recognizes exemplary performance by surgical educators whose work advances the mission of the ASE to promote excellence, innovation, and scholarship in surgical education. Congratulations to Kristin Long, MD, MPH; Sarah Pavao, BS; Katrina Bell, MPH; Sarah Jung, PhD; and all others from the Department who have been involved with this program.



education awards

Education Awards

Medical Student Teaching Awards

Layton F. Rikers Faculty Award for Medical Student Education

2010	Bruce Slaughenhaupt
2011	Rebecca Sippel
2012	Louis Bernhardt
2013	Michael Bentz
2014	Jacquelynn Arbuckle
2015	Chip Foley
2016	Jennifer Steiman
2017	Jacob Greenberg
2018	Evie Carchman
2019	Amber Shada
2020	Greg Hartig
2021	Lee Faucher
2022	David M. Melnick
2023	Courtney Morgan

Dean's Teaching Awards

1997	Diane Heatley
2007	Yolanda Becker
2010	Bruce Slaughenhaupt
2010	Gretchen Schwarze
2012	Rebecca Sippel
2014	Louis Bernhardt
2016	Michael Bentz
2017	Ann O'Rourke
2019	Neil Salyapongse
2023	Dawn Elfenbein

Dean's Award for Excellence in Student Research Mentorship

2010	Herbert Chen
2013	Gregory Kennedy
2016	Rebecca Sippel
2022	David Jarrard

General Surgery Resident Teaching Awards

Chief Award to Faculty for Teaching

Selected by chief class as the best faculty teacher

2009	Chip Foley
2010	James Orr
2011	Jim Maloney
2012	Mike Garren
2013	Jacob Greenberg
2014	Peter Nichol
2015	Charles Leys
2016	Kenneth Kudsk
2017	Evie Carchman
2019	Ann O'Rourke
2020	Jacob Greenberg
2021	John Scarborough
2022	Evie Carchman
2023	Roland Vega

Louis Bernhardt Resident Teaching Award

Awarded to faculty who has made significant contribution to the educational mission of the General Surgery Residency Program

2013	Clifford Cho
2014	Ann O'Rourke
2015	Suresh Agarwal
2016	Jennifer Steiman
2017	John Scarborough
2018	Roland Vega
2019	David Melnick
2020	Adam Brinkman
2021	Eugene "Chip" Foley
2022	Amber Shada
2023	Patrick Varley

Continued

education awards

Layton F. Rikkers Chair Teaching Award

Awarded to faculty for educational excellence based on resident evaluations

2013	Lee Wilke
2014	Rebecca Sippel
2015	Chip Foley
2016	Lee Faucher
2017	David Foley
2018	Joshua Mezrich
2019	Tony D'Alessandro
2020	Eugene "Chip" Foley
2021	Cristina Sanger
2022	Angela Gibson
2023	Jacqueline Garonzik-Wang

Resident Teacher and Leader Award

Selected by residents and awarded to the General Surgery resident who best demonstrates the virtues of teacher and leader

2013	Andrew Russ
2014	Ari Reichstein
2015	Adam Brinkman
2016	Patrick Shabino
2017	Michael Nabozny
2018	Ryan Shmocker
2019	Tiffany Zens
2020	Jay Nathwani
2021	Sebastian Danobeitia
2022	Annie Dunham
2023	James Barrett

General Surgery Resident Awards

Ben Lawton Award

Awarded to the chief resident with the best overall medical student score over the course of their residency

2009	Chirag Dholakia
2010	Erik Johnson
2011	Joshua Hermesen
2012	Aaron Chalmers
2013	Andrew Russ
2014	Ari Reichstein
2015	Laura Fischer
2016	Patrick Shabino
2017	Sara Holden
2018	Ryan Shmocker
2019	Lane Frasier
2020	Becca Gunter
2021	Joseph Imbus
2022	Devon Livingston-Rosanoff
2023	Trieu Do

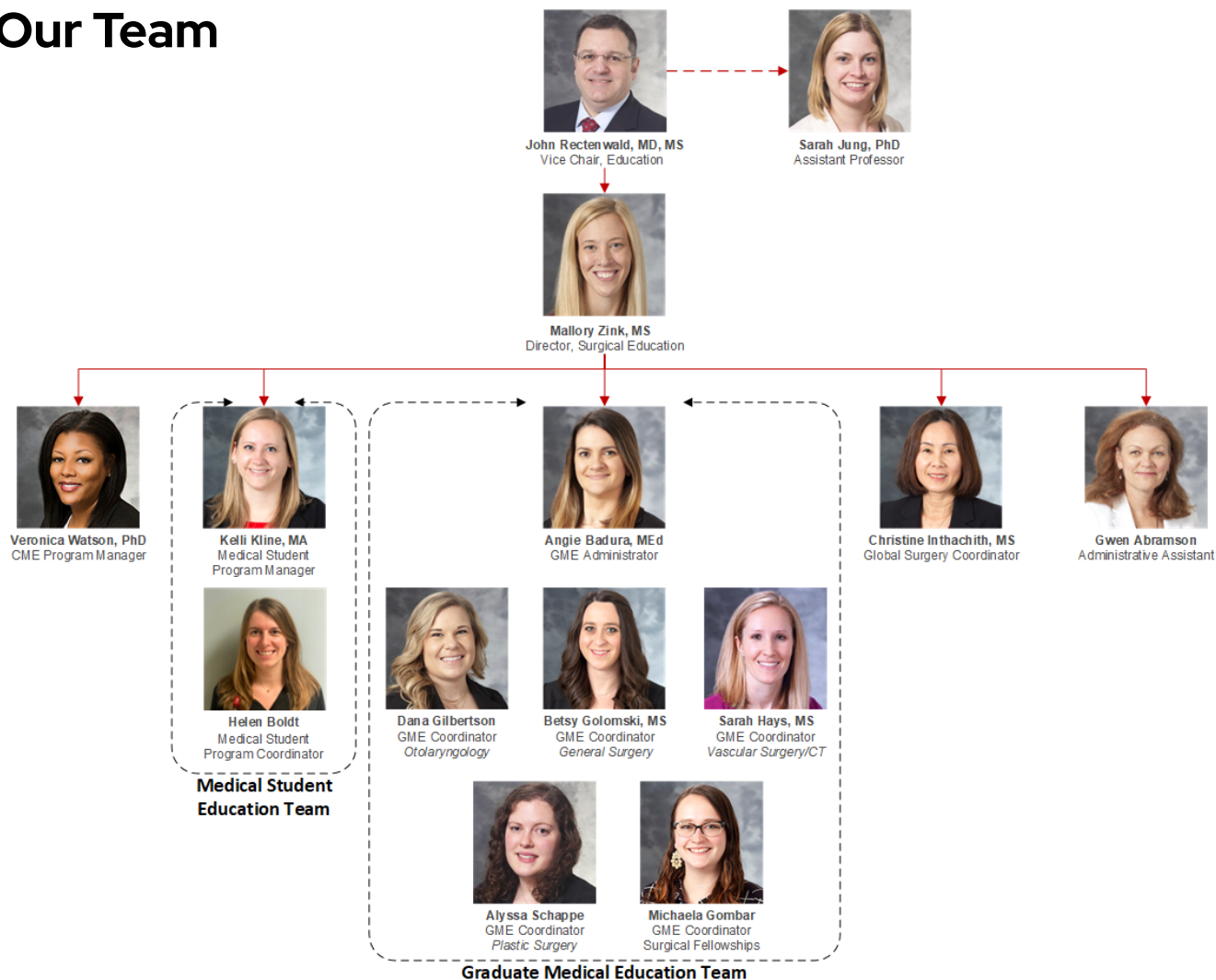
2023 Annual Resident Teaching Awards

Given to a PGY-3 or PGY-4 involved in clinical teaching in the Third Year Surgery Clerkship and based on medical students' evaluations and focus group comments

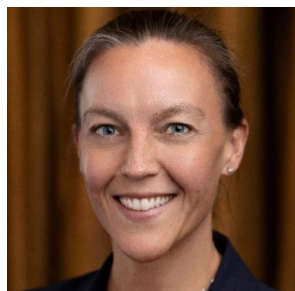
- Thomas Diehl (General Surgery)
- Laura Krecko (General Surgery)
- Allison Knewitz (Otolaryngology)
- Pradeep Attaluri (Plastic Surgery)
- Elise DeRoo (Vascular Surgery)

office of surgical education

Our Team



Future Leadership



We are thrilled that **Brigitte K. Smith, MD, MPHE, FACS, FSVS**, will be joining our Department as an Associate Professor of Vascular Surgery and the new Vice Chair of Education beginning August 1, 2024. An alumna of both the UW School of Medicine and Public Health and our Integrated Vascular Surgery Residency Program, Dr. Smith has been heavily involved in surgical education and research throughout her career. Her areas of interest include the association between educational variables and patient care outcomes in unsupervised practice; the utilization of team-based experiential learning to teach high value care and quality improvement to residents and

medical students; and the use of surgical coaching to enhance technical skills acquisition in surgical trainees. Dr. Smith is presently an Associate Professor of Vascular Surgery, Vice Chair of Education, and Chief of the Section of Education at the University of Utah. We look forward to welcoming Dr. Smith back to the UW and to Madison!



Department of Surgery
UNIVERSITY OF WISCONSIN
SCHOOL OF MEDICINE AND PUBLIC HEALTH

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