Our education missions are to:

Attract and train the medical students and residents with the greatest potential for success as surgeons and leaders.

Celebrate our individual strengths and diversity, and support each other as we overcome our hurdles to success, all while sharing common goals of clinical excellence, scientific discovery and professional growth.

Promote and support our residents to go on to the most highly competitive fellowships and academic positions, and to become successful leaders advancing surgical excellence.
Principal photography by residents and staff of the Department of Surgery, with contributions from UC Academic Health Center Public Relations & Communications. Photographs without masks were taken pre-Covid. Graphic design by Tammy Adelhardt of Adelgraph Design.
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I am proud to present the annual report for the Department of Surgery at the University of Cincinnati, where our missions are:

1. To provide comprehensive, compassionate and skilled surgical services for Cincinnati and the surrounding region.

2. To train the next generation of surgeon leaders.

3. To advance the state-of-the-art and scientific basis of the discipline of surgery.

4. To provide leadership in ensuring health care for all members of the Cincinnati community.

To fulfill these missions, we continue to build on our historical foundation of exceptional clinical service, teaching, and research. We celebrate diversity while sharing the goals of surgical excellence, scientific discovery, and professional development.

The Department of Surgery comprises more than 160 surgical faculty plus advanced practice providers, nurses, pharmacists and support staff who all take great pride in their patient care responsibilities and other clinical duties while maintaining a strong relationship with our institutional colleagues and community partners. We are dedicated to training nearly 200 medical students and an average of 100 residents/fellows each year, with the result that our graduates consistently attain the most competitive residencies, fellowships and faculty positions, and provide for the next generation of health care providers.

Our academic achievements have also continued to be very strong, and included in this report is a representative listing of faculty publications and presentations. The Department of Surgery is proud to have secured new NIH and extramural grants providing funding for the important discoveries coming from our laboratories and clinical trials dedicated to improving the health of our patients.
This past year our department has risen to the challenges of the Covid-19 Pandemic. Our faculty and residents selflessly volunteered to participate on surge teams to provide care to critically ill members of our community as well as served in leadership positions during the UC Medical Center’s preparations and response.

The Surgery Department has also responded to the renewed national focus on racial and gender discrimination by re-evaluation of our recruitment processes, implicit bias training, promotion of disparate care research, and establishing a diversity and inclusion taskforce to advance additional actionable recommendations.

In conclusion, this past year has brought us closer to realizing the Department of Surgery vision to be indispensable through excellence in surgical care, in the training of tomorrow’s surgeons, and in the discoveries that will improve healing and give hope to our patients. Thank you.
Our education missions are to:

- Train medical students, residents and fellows to reach their greatest potential for success as surgeons and leaders.

- Celebrate our individual strengths and diversity, all while sharing common goals of clinical excellence, scientific discovery and professional growth.

- Promote and support our residents to go on to the most highly competitive fellowships and academic positions, and to become successful leaders advancing surgical excellence.
In September 2010, University of Cincinnati Physicians — the faculty physician practice group of the UC College of Medicine — along with University Hospital and West Chester Hospital — publicly launched the collaborative partnership UC Health. This partnership speaks to the value of discovery-driven medicine that is at the core of University of Cincinnati Physicians and we will continue to strengthen our partnership through our mission of research, education and patient care.

University of Cincinnati Physicians is the multispecialty practice group of the UC College of Medicine. Physicians, surgeons, nurses and other allied health professionals in the group staff the hospitals of UC Health. University of Cincinnati Physicians is the Cincinnati area’s largest and most distinguished group of board-certified physicians, with more than 700 clinicians practicing in every medical and surgical specialty and a powerhouse for health care in the Greater Cincinnati region.

Many clinicians with University of Cincinnati Physicians are fellowship trained in various fields of medicine to provide specialized care to our patients. As clinicians, teachers and researchers of modern medicine, our physicians are able to provide patients with contemporary treatments and methods of care that aren’t typically available outside of an academic medical setting. UC Health provides a comprehensive menu of inpatient and outpatient services, delivered at a cohesive network of hospitals and medical offices throughout the Greater Cincinnati region.

**Visions & Goals**

Through responsive, innovative and cost-effective care, University of Cincinnati Physicians is committed to provide the very best personalized care for our patients. UC Health will be the health care network of choice in our region and the care we deliver will make a difference today and for a lifetime. Together, the facets of UC Health will represent quality, commitment and strength.

Together, UC Health is:
- world-class physicians
- the largest physician group in the region
- committed to delivering the highest level of patient care
- driven by discovery and innovation
- the trainers of the physicians of tomorrow
- an anchor of health care in Greater Cincinnati.
Goals for Continued Success

To ensure success, UC Health will consistently focus on the following:

• Accessibility to specialty care for patients, referring physicians and insurers.
• Recruiting and retaining world-class physicians.
• Providing the highest level of personalized health care to patients.
• Improving health care delivery while discovering tomorrow’s medical treatments.
• Utilizing more efficient, effective business practices.

UC Health brings together the region’s top clinicians and researchers to provide world-class care to our community. From our flagship University of Cincinnati Medical Center to our state-of-the-art West Chester Hospital, UC Health delivers the absolute best in treatment and care.

Continually recognized for excellence and backed by the academic strength of the University of Cincinnati, one of the nation’s top 25 public research universities, UC Health is revolutionizing how discovery-driven care is delivered.

For more information on UC Health, please visit [uchealth.com](http://uchealth.com).
UC Health University of Cincinnati Medical Center

UC Health University of Cincinnati Medical Center (UCMC) has been serving the Cincinnati community for over 180 years and is a primary teaching and patient care site for the University of Cincinnati (UC) Department of Surgery. UCMC is a 726-bed tertiary hospital which provides many services not available in any other facility in the region. Specialized services available include the region’s best-equipped and busiest Level I trauma center, one of just a few adult burn treatment centers certified by the American College of Surgeons/American Burn Association, and transplantation for heart, liver, pancreas and kidney. The hospital was ranked as the No. 1 regional hospital by U.S. News & World Report and surgery’s divisions of urology and heart surgery were noted as “top performing” programs.

Barrett Center

The Barrett Center at the UC Cancer Institute (UCCI) provides some of the most advanced and comprehensive cancer services available in the region. This center supports clinical research with its involvement in more than 120 active protocols sponsored by cooperative programs through the National Cancer Institute and private pharmaceutical companies. The UC programs are approved by the American College of Surgeons Commission on Cancer. The ambulatory office facilities that support the UC Department of Surgery’s oncology division are housed in the Barrett Center, the core cancer outpatient facility of the UC Cancer Institute. The institute encompasses all education, research and clinical programs related to oncology at UC, and is a partnership of the UC College of Medicine, Cincinnati Children’s Hospital Medical Center and UC Health.

Cincinnati Children’s Hospital Medical Center

Cincinnati Children’s Hospital Medical Center is a nationally and internationally recognized leader in the treatment and research of pediatric and adolescent diseases. As a result, this institution draws patients from all over the United States and over 30 countries each year who need its specialized tertiary care. Cincinnati Children’s has 598 beds and is the only Level I pediatric trauma center in southwestern Ohio, northern Kentucky and southeastern Indiana. The hospital is a major teaching site for UC surgery residents and consistently ranks high in the nation among all Honor Roll hospitals in U.S. News & World Report’s annual Best Children’s Hospitals ranking.

Holmes Hospital

The Holmes Hospital is an ambulatory facility, located at the corner of Eden Avenue and Albert B. Sabin Way. The hospital is home of the Oral and Maxillofacial Surgery resident clinic which sees over 12,000 patients annually. In addition, the hospital houses the private practice for the division of plastic, reconstructive, and hand surgery.

Cincinnati Department of Veterans Affairs Medical Center

The Cincinnati Department of Veterans Affairs Medical Center is a major 248-bed acute-care hospital for veterans in Southwest Ohio. This facility is a dean’s committee medical center and affiliated with the UC College of Medicine. All staff surgeons at the VA Medical Center have academic appointments at the College of Medicine. General surgery, urology and vascular surgery represent three of the largest volume sections within the VA surgical service. The surgical service continues to encounter a wide variety of pathological conditions which require surgical treatment, thus providing a significant opportunity for faculty research and a vital cornerstone for the surgical education of residents and medical students.

The Christ Hospital

The Christ Hospital is a 555-bed acute-care hospital located 1.5 miles from the UC College of Medicine. The hospital remains an important part of the integrated surgical residency in general surgery. UC surgeons utilize The Christ Hospital for patient care in the areas of general, colorectal, vascular, weight loss, transplantation surgery and surgical oncology.

The Christ Hospital Medical Office Building

The Christ Hospital Medical Office Building is an ambulatory office practice location for the UC Department of Surgery. It is home to the division of colon and rectal surgery, with additional offices for general surgery.
CARE/Crawley and Medical Sciences Building
The Medical Sciences Building is the main administrative and laboratory facility of the College of Medicine. The Department of Surgery operations housed in this building include the Chairman's office, faculty academic offices, teaching facilities, and laboratories.

UC Health Physicians Office Clifton
The UC Health Physicians Office Clifton is the primary ambulatory office practice site for the UC Department of Surgery. Housed on the seventh floor of this 135,000 square foot facility are 21 exam rooms, four procedure rooms, medical records, scheduling center and clinical practice support staff.

UC Health Physicians Office North
The UC Health Physicians Office North is located in West Chester, Ohio just off I-75 in Butler County. This 80,000 square foot facility is home to a full-service center for high-tech diagnostic services. All surgical subspecialties under the Department of Surgery offer convenient clinic hours at this location. The UC Health Physicians Office West Chester is home to The Cosmetic Center, which offers advanced cosmetic surgery and skin care treatments; and to the UC Health Weight Loss Center, which offers a comprehensive medical weight loss program and latest surgical weight loss options.

West Chester Hospital Surgical Center
The UC Health Surgical Hospital is accredited by the Joint Commission. This state-of-the-art ambulatory surgery facility has four operating rooms and two endoscopy suites. The facility can accommodate outpatients as well as short-stay procedures requiring hospitalization for up to 72 hours.

UC Health West Chester Hospital
UC Health West Chester Hospital is a 186-bed acute care hospital in West Chester, Ohio, providing the latest technology delivered in a healing environment. The hospital is conveniently located and easily accessible from Interstate 75 at Tylersville Road. Services include a full-service emergency department, and inpatient and outpatient diagnostic and treatment services.

Drake Center
The Drake Center is the region's full-service post-acute care rehab facility, a not-for-profit health care organization affiliated with the University of Cincinnati. Drake recently completed an extensive $33 million modernization project, creating an efficient, inviting, 300-bed health care center that allows the Drake team to provide medically complex, quality health care into the 21st century. The Drake Center provides the Department of Surgery the opportunity to treat patients who require post-acute care, contributing to the goal of restoring each individual patient to the highest possible level of functioning and independence.

Holzer Clinic
The Holzer Clinic is a modern, 100-plus physician, multispecialty group practice facility located in Gallipolis, Ohio, near the West Virginia border. This clinic provides primary, secondary and tertiary care to patients in the Southeastern Ohio and Western West Virginia region. The Holzer Clinic’s primary service area covers eight counties (six in Ohio and two in West Virginia) with a population base of about 300,000 and over 150,000 clinic visits per year. The Holzer Clinic is affiliated with Holzer Medical Center, a 266-bed community-oriented acute-care hospital located adjacent to the main clinic facility. Approximately 6,000 operations are performed yearly and there are over 16,000 Emergency Department visits per year. Virtually all surgery residents select a two-month elective rotation to this facility. This rotation exposes these residents to a rural, broadly-defined general surgery experience.

Mzuzu Central Hospital, Malawi, Africa
Mzuzu Central Hospital is a 300-bed district hospital and referral center in the Northern region of Malawi serving a catchment area of approximately 2.5 million people. As part of the Global Surgery Rotation, 3rd or 4th year general surgery residents rotating at this hospital perform over 100 operations in a 2-month period of time, including pediatric, gastrointestinal, urology, endoscopic, and head & neck cases.
The UC Department of Surgery was derived from pioneering American surgeons and the evolution of local colleges of medicine and hospitals that parallel the origins and growth of Cincinnati itself, dating as far back as 1788. The “Hopkins Invasion” of 1922 marks the birth of the contemporary Department of Surgery at the University of Cincinnati. Dr. George Heuer and a small group of surgeons from Dr. William Halsted’s department at Johns Hopkins Medical School moved from Baltimore to Cincinnati and established a full-time surgical department with a pyramid-structured general surgery residency training program to graduate highly qualified surgeons after several years of rigorous training. After the Peter Bent Brigham Hospital at Harvard Medical School in Boston, the UC Department of Surgery was the second program in the country to be patterned on the Hopkins model.

Dr. George Heuer, the first Christian R. Holmes Professor of Surgery, brought Dr. Halsted’s method of surgical training to Cincinnati, along with several of Halsted’s residents including future department chairmen, Mont Reid, B. Noland Carter and Max Zinninger. He established the now routine practice of taking thorough case histories of patients and regular follow-up care. He instituted that all tissue be studied in the lab to confirm a surgeon’s diagnosis, again a now routine practice. The tradition of superior quality and surgical innovation continued under subsequent chairs of the Department.

Dr. Mont Rogers Reid (1931-1943) worked tirelessly to strengthen the relationship between the university medical school and the community. He brought attention to the Department through numerous articles in the prestigious New England Journal of Medicine on wound healing processes.

Dr. Max Zinninger (1943-1946) led the Department in the interim years after Dr. Reid’s untimely death. He was one of the first to complete his surgical residency at UC in 1927 under Heuer. Also known for working collaboratively with community physicians on complicated cases requiring highly specialized care, he was considered a consummate surgeon and gentleman who was held in the highest regard by the community, his students and colleagues.

Dr. B. Noland Carter (1946-1952), the third Christian R. Holmes Professor of Surgery, was recognized nationally for his research of tissue injury and burns. He developed partnerships with the military and industry investigating newer antibiotics. During Carter’s tenure, the isotope laboratory was formed to study and treat neoplasm. Dr. Charles Barrett, forefather of the Barrett Cancer Center, was recruited to lead this effort. Radioisotope and tracer studies for diagnosis were pioneered here. A vascular lab was established and the Department made great progress in cardiothoracic surgery including cardioangiography and the first perfusion carried out. Investigations were also established for lung cancer. In the early 1950’s, UC Department of Surgery was well established as one of the premier centers for study of coronary circulation and artificial circulation. One of the most notable achievements came in 1951, when Dr. James Helmsworth of the UC Department of Surgery joined cardiologist Dr. Samuel Kaplan and chemist Dr. Leland Clark to develop the world’s first functional heart-lung machine, located at Cincinnati Children’s Hospital Medical Center.

Dr. William Altemeier (1952-1978), the fourth Christian R. Holmes Professor of Surgery, further expanded the Department with a focus on microbiology and intra-abdominal infections, establishing the Department as a pioneering center for surgical infectious disease. The perineal repair for rectal prolapse is named for Dr. Altemeier, and he was the first to describe cancer of the proximal (hilar) bile ducts, an entity subsequently recognized and named after Klatskin. Dr. Altemeier oversaw the building of the first surgical research facility and the Shriners Burns Hospital, one of three in the nation. The pediatric surgery residency training program was founded at Children’s Hospital in the late 1950’s by Dr. Lester Martin, who raised pediatric surgery to new levels and trained numerous pediatric surgeons who have become leaders in the field. Dr. Martin also pioneered and perfected the surgical technique known as the “pull-through” procedure for ulcerative colitis. Significant developments in thyroid surgery and hand surgery were pioneered by Dr. Vinton “Hoppy” Siler, who was also a great benefactor of the Department. In the mid-1960s, Dr. J. Wesley Alexander led UC’s transplant and immunology program, training many transplant fellows and conducting significant research funded for decades by the National Institutes of Health. Dr. Henry Neale, a UC medical school graduate, returned to Cincinnati in 1974 following a fellowship at Duke University and founded the plastic surgery residency program which has attracted and graduated plastic surgeons who are considered among the very best in the country.
Dr. Josef E. Fischer (1978-2001), the fifth Christian R. Holmes Professor of Surgery, was responsible for significant expansion of full-time faculty in the early 1980’s, initiating or strengthening subspecialty areas including vascular, trauma and critical care, transplant, burn, plastic surgery and urology. Dr. Fischer was instrumental in transforming the former Cincinnati General Hospital from a city-county hospital into The University Hospital, a tertiary medical center and the flagship of The Health Alliance. The urology residency program again had its center at the University of Cincinnati Medical Center and has since enjoyed great success and growth, as has the oral and maxillofacial surgery residency program. Physical growth was also seen with the building of the Barrett Cancer Center, a critical care tower and new operating rooms.

Dr. Jeffrey B. Matthews, the sixth Christian R. Holmes Professor and Chairman (2001-2006), oversaw unprecedented growth of full-time faculty members. Emphasis was placed on robotic-assisted surgery, telemedicine and technology. The Department was recognized nationally for its academic and training achievements and leadership in American surgery, and continued to be celebrated locally as a specialist resource for the community and a partner in an integrated health care network. Dr. Matthews’ emphasis was on multidisciplinary clinical and research programs that cut across traditional department lines. Partnerships were developed with the University of Cincinnati, local industry, and the military to develop emerging technologies for improved patient care. The Center for Surgical Innovation was opened in 2006 to advance research and training in robotics, telemedicine, and telesurgery. Dr. Matthews accepted the position as Chairman of Surgery at the University of Chicago in October 2006.

Dr. Michael S. Nussbaum, Professor of Surgery and Interim Chairman (2006-2008), was Chief of Staff at the University Hospital and served as Vice Chair for Clinical Affairs in the Department of Surgery. He joined the UC faculty in 1986 when he completed his surgical residency training in the UC Department of Surgery. Dr. Nussbaum was part of the original team that developed the plans for what became the Center for Surgical Innovation. He was involved in outcomes-related studies involving videoscopic surgery, clinical pathway development, surgery for inflammatory bowel disease, and the surgical treatment of swallowing disorders. His longstanding commitment to excellence in patient care continued to advance the Department’s mission of fostering education, research, and innovations for treating surgical patients. Dr. Nussbaum became the first Chair of Surgery at the University of Florida in Jacksonville in 2008, and is now Professor and Chair of Surgery at Virginia Tech Carilion School of Medicine in Roanoke, Virginia.

Dr. Michael J. Edwards, the seventh Christian R. Holmes Professor and Chairman (2008-2019), is an oncologic surgeon who specializes in treating breast disease. Dr. Edwards nurtured the development of the UC Institute for Military Medicine, an internationally renowned program advancing the care of the acutely injured soldier and civilian. He brought a principled approach to the Department with a profound commitment to teaching the discipline of surgery through the highest quality patient care, which reflects and constitutes superior surgical education. In addition to his leadership of the Department of Surgery, Dr. Edwards provided critical leadership for the successful unification of the UC College of Medicine practice plan and its integration into UC Health in 2011. Dr. Edwards stepped down in January 2019 to focus on the international sphingolipid research program that he has built in conjunction with the department’s research team and international collaborators.

Dr. Jeffrey J. Sussman, Christian R. Holmes Professor of Surgery and Interim Chairman (2019-Present), is a surgical oncologist who completed tumor immunology research at the National Institutes of Health and fellowships in surgical critical care and surgical oncology research at the University of Michigan and in surgical oncology at the M.D. Anderson Cancer Center. He has been a UC faculty member since 1997 and served as chief of the department’s Section of Oncology from 2007 until 2015. Dr. Sussman also serves as vice chair for education, program director of the General Surgery Residency, and director of the Skin Cancer and Sarcoma Program at the UC Cancer Institute. Dr. Sussman is active in clinical research, having served as principal investigator for a variety of laboratory and clinical trials, exploring how the human immune response can be altered to improve cancer therapy. He has published numerous articles focused on advancing treatments and understanding of melanoma and other solid tumors. His clinical practice focuses on melanoma, sarcoma, gastrointestinal neoplasms, peritoneal surface and hepatobiliary/pancreas malignancies.
The Office of Education

**Jeffrey J. Sussman, MD** – Vice Chair for Education, and Director, Residency Program in General Surgery. Dr. Sussman assumed this post on June 1, 2016, and oversees outstanding leadership and innovation by the associate directors and staff in their stewardship of our surgical education program.

**Amy T. Makley, MD** – Associate Director, Residency Program in General Surgery. Dr. Makley’s expertise is in creating high quality curricula, skills labs and resident development. She and Dr. Goodman have been responsible for the curriculum and evaluative process. Dr. Makley also leads the incoming surgical intern boot-camp program.

**Michael D. Goodman, MD** – Associate Director, Residency Program in General Surgery. Dr. Goodman has brought considerable expertise in assessment and professional development of the surgical residents. He is also the administrative lead for our global surgery program and all rotation scheduling.

**Krishna P. Athota, MD** – Associate Director, Residency Program in General Surgery. Dr. Athota is an outstanding trauma surgeon and educator. He has won three consecutive Department of Surgery Outstanding Educator Awards as voted by general surgery residents, as well as the Silver Apple Award from the UC medical students. His expertise is in transitioning medical students to successful residents, simulation, and resident mentorship.

**Kevin L. Grimes, MD** – Director, Surgery Student Education. Dr. Grimes was appointed as Director July, 2020. He brings his extensive experience in medical student education to the program overseeing the required M3 and elective M4 clerkships.

**Joshua W. Kuethe, MD** – Associate Director, Surgery Student Education. Dr. Kuethe provides additional administrative leadership and serves as an outstanding role model and teacher for the Surgery Student program, with special focus on the M4 clerkship.

**Latifa Sage Silski, MD** – Associate Director, Surgery Student Education. Dr. Silski, newly appointed to this role, brings her passion and energy for surgical education to the Surgery Student program and serves as a champion for diversity and equality.

**Vikrom K. Dhar, MD** – Robert H. Bower Administrative Chief Resident.
Amy T. Makley, MD
Associate Professor of Surgery
Section of General Surgery
Associate Director, Residency Program in General Surgery

Kevin L. Grimes, MD
Assistant Professor of Surgery
Section of General Surgery
Director, Surgical Student Education

Michael D. Goodman, MD
Associate Professor of Surgery
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Program Director, Fellowship in Critical Care Surgery
Associate Director, Residency Program in General Surgery

Latifa Sage Silski, MD
Assistant Professor of Surgery
Section of Transplantation
Associate Director, Surgery Student Education

**Administrative Team**
Gilda Young, Residency Coordinator and Manager, Office of Education
Debbie Browne, Assistant Residency Coordinator
Elizabeth Loechle, Administrative Assistant
Adrienne Jones, Surgery Medical Student Coordinator
Steve Wiesner, Electronic Publishing Coordinator
The Education team has made many significant accomplishments including:

- Implementing the American Board of Surgery’s SCORE portal, a tool to model educational objectives and introduce uniform curricula across all departments of surgery following the TWIS (This Week in SCORE) outline.
- Expansion of virtual simulation practice opportunities with inanimate and animate models to perfect surgical skills prior to entering an operating room. These opportunities exist through virtual reality simulation equipment housed in the Woliver Laboratory for Simulation and Education in Surgery and a fully equipped operating room in the Center for Surgical Innovation.
- Complete overhaul of resident assessment evaluations with new 2020 ACGME milestone mapping.
- Implementation of QGenda for on-call scheduling.
- Continued improvement in teaching conferences and wellness events with virtual modifications due to the 2020 pandemic.
- Website and recruitment process improvements.
- Expansion of social media presence.

**Surgical Education Overview**

Education in the Department of Surgery includes medical student clinical clerkships and electives, graduate medical education resident and fellowship programs, basic scientist training, and continuing medical education seminars and classes. At our most recent review, the General Surgery Residency program received full accreditation without citation from the Residency Review Committee of the ACGME. Our surgical clerkship has become a model of innovation for clinical education and has led to a marked increase in the number of medical students at the University of Cincinnati choosing surgery as their career path. Over the past four decades, surgical faculty and residents have held a majority share of best teaching and Gold Humanism awards as voted by the UC medical students.

The Surgical Education Program continues to attract and train the best and brightest medical students and residents from around the country. Residents who graduate from our programs have an outstanding record matching highly competitive fellowships and have been successful in securing positions in academic departments and as leaders in the community practice of surgery.

The Edward Woliver Laboratory for Simulation and Education in Surgery includes an array of simulation equipment designed to allow surgical residents to practice new skills in a safe, faculty-mentored environment outside the operating room. The lab has both low- and high-tech simulation equipment, including simple models to simulate suturing vessels to robotics. It also includes sophisticated devices that incorporate haptics (sense of touch) and track a surgeon’s performance during the training session. The lab serves as a testing site for the (FLS) course, an education and skills training module which is the ABS requirement for the evaluation of basic skills and knowledge for laparoscopy. The lab is also outfitted to provide needed equipment for the Fundamentals of Endoscopic Surgery (FES) course curriculum teaching diagnostic and therapeutic upper and lower GI endoscopy. UC serves as a testing site for FES to the greater Cincinnati region.

**Graduate Medical Education**

The Department of Surgery sponsors graduate medical education programs in 12 surgical specialties which encompass 110 residents and fellows. The following lists these resident and fellowship programs for 2020-2021:

**Resident Programs (92):**

- General Surgery (43)
- Oral and Maxillofacial Surgery (13)
- Plastic, Reconstructive and Hand Surgery (9)
- Podiatric Medicine and Surgery (6)
- Thoracic Surgery (6)
- Urology (10)
- Vascular Surgery (5)

**Fellowship and Advanced Training Programs (18):**

- Congenital Cardiac Surgery Fellowship Program (1)
- Pediatric Surgery (2)
- Pediatric Surgery Subspecialty (5)
- Pediatric Urology (2)
- Pediatric Urology – International (non-accredited) (2)
- Transplant Surgery (2)
- Surgical Critical Care (2)
- Vascular Surgery (1)
- Plastic and Reconstructive Surgery (1)

The educational programs are guided by a group of dedicated surgeon educators who have helped to develop an educational environment that attracts many of the best candidates in the country. The combination of talented, committed specialty program directors and faculty and excellent residents and fellows results in an educational program that is second to none.
The Department of Surgery has a distinguished history of educating its graduates to be leaders in surgery. Our commitment to excellence in patient care, education and advancement of knowledge in the surgical sciences creates an environment in which surgical training can flourish. Residents complete their training programs with exceptional breadth and depth of experience in their specialty.

There is an abundance and variety of clinical experiences in the hospitals and outpatient offices of our integrated and affiliated institutions which include:

- University of Cincinnati Medical Center
- Veterans Affairs Medical Center
- Cincinnati Children’s Hospital Medical Center
- West Chester Hospital
- The Christ Hospital
- Holzer Clinic, Gallipolis, Ohio
- Mzuzu Central Hospital, Malawi, Africa

Clinical experience is supplemented by an extensive series of educational conferences and surgical simulation experience. At the core of the educational program are Surgical Grand Rounds, Morbidity and Mortality Conference, Curriculum Conferences, mock oral examinations and skills labs. These weekly conferences are supplemented by numerous specialty- or rotation-specific conferences.

**Surgical Simulation Experiences:**

- Advanced Laparoscopy
- Advanced Operative Skills
- Advanced Surgical Skills for Exposure in Trauma (ASSET)
- Robotics Training
- Basic Laparoscopy
- Fundamentals of Endoscopic Surgery (FES – GI Mentor)
- Fundamentals of Laparoscopic Surgery
- GI Anastomosis
- Vascular Anastomosis
- Solid Organ Transplant
- Introduction to General Surgery (R1 Boot Camp)
- Laparoscopic Colectomy
- Laparoscopic Hernia
- Surgical Stapling
- Trauma Surgery Simulation
- Advanced Trauma Life Support Training

Complementing the clinical training are outstanding opportunities to participate in basic science research in the Department of Surgery, other basic science laboratories within the College of Medicine or extramural institutions. Most residents spend two years in laboratory research with a faculty mentor. Opportunities are available to pursue advanced degrees such as MS, PhD or Doctor of Science. These research projects are supported by an institutional training grant (T32 award) in trauma and several R01 research grants from the National Institutes of Health (NIH).

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**2019-2020 Visiting Professor Program**

The Visiting Professor Program of the Department of Surgery is extremely important for the education of both the faculty and the residents. It gives the residents a first-hand opportunity to come into contact with distinguished leaders in American surgery, participate in teaching rounds with them, and get to know them personally. In addition, the Visiting Professor gives presentations at Surgical Grand Rounds to faculty, residents and medical students.

During the academic year 2019-2020, we had the privilege of hosting four Visiting Professors and had our first virtual Grand Rounds via WebEx:

**September 24-25, 2019**
Twelfth Annual Heekin Family Lectureship  
*John J. Fung, MD, PhD*
Professor of Surgery  
Director, Transplant Institute  
Chief, Section of Transplantation  
UChicago Medicine  
Surgical Grand Rounds: “The Development of Liver Transplantation”

**October 23, 2019**
*Nosratollah Nezakatgoo, MD*
Associate Professor of Surgery  
Director of Pancreas Transplantation  
Methodist University Hospital Transplant Institute  
Memphis, Tennessee  
Surgical Grand Rounds: “Novel Surgical Approaches to Hemodialysis Access”

**February 26, 2020**
Sixteenth Annual Richard F. Kempczinski Visiting Professor  
*Kenneth J. Cherry, MD*
Edwin P. Lehman Professor of Surgery Emeritus  
Professor Emeritus of Vascular and Endovascular Surgery  
University of Virginia  
Surgical Grand Rounds: “The Basics of Open Aortic Surgery in an Endovascular World”

**May 20, 2020**
Research Visiting Professor  
*Ginny L. Bumgardner, MD, PhD*
Professor of Surgery  
Associate Dean for Research Education  
The Ohio State University Medical Center  
Surgical Grand Rounds, via WebEx: “Fortifying the Surgeon-Scientist Pipeline”
The University of Cincinnati Global Surgery Program is in its sixth year, offering an 8-week elective General Surgery Rotation at Mzuzu Central Hospital in Malawi, Africa. Our program emphasizes a partnership with our host institution to ensure that we are able to provide and enhance much-needed surgical services consistently over time in exchange for an unparalleled educational experience in General Surgery. Residents at the 3rd and 4th year level participate on rounds, run outpatient clinics, and perform basic and complex general and pediatric surgery cases throughout their time at Mzuzu Central Hospital under the supervision of ABS-certified general surgeons. In addition to the clinical services provided, University of Cincinnati faculty and residents actively participate in educational programs for the Malawian clinical officers and nursing students in every aspect of patient care.

Mzuzu Central Hospital is a district hospital and referral center in the northern region of Malawi, serving a catchment area of approximately 2.5 million people. Residents perform over 100 operations in a 2-month period of time, including a plethora of pediatric, gastrointestinal, urology, and head and neck cases.

Vision
To improve access to quality surgical care in Malawi.

Mission
• To enhance surgical care and capacity in Malawi by utilizing senior U.S. surgical residents and consultants to support the infrastructure in place at Mzuzu Central Hospital.
• To provide shared learning experiences and unparalleled educational opportunities in a resource-challenged environment.
• To inspire a transformative approach to global health.

Core Values
• Excellence in clinical services provided.
• Respect for colleagues and staff at all levels.
• Compassion for patients and their families.
• Advocacy for those who are dedicated to improving healthcare worldwide.
Residency Program in General Surgery

Jeffrey J. Sussman, MD, Program Director
Christian R. Holmes Professor of Surgery
Section of Surgical Oncology
Vice Chair for Education
Interim Chairman, Department of Surgery

Amy T. Makley, MD, Associate Director
Associate Professor of Surgery
Section of General Surgery

Michael D. Goodman, MD, Associate Director
Associate Professor of Surgery
Section of General Surgery
Associate Program Director, Fellowship in Critical Care Surgery

Krishna P. Athota, MD, Associate Director
Associate Professor of Surgery
Section of General Surgery

Gilda Branson Young, Office Manager & Program Coordinator
513-558-4206
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Debbie Browne, Assistant Residency Coordinator
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Department of Surgery
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Residency education in General Surgery comprises five clinical years, with typically six Chief Residents finishing the program annually. A laboratory experience of two years is completed by the majority of the residents, and a wide range of experiences is offered. The residency program in General Surgery is fully accredited by the Residency Review Committee for Surgery.

In the first and second postgraduate years, residents receive a broad experience in the essential content areas as well as in surgical specialties. Experience is gained in both inpatient and outpatient care, with appropriate emphasis on evaluation and diagnosis as well as operative therapy and perioperative care. This experience is obtained in a variety of settings including the general surgery services in community hospitals and the academic health center, intensive care units, and the Cincinnati Children's Hospital.

During the third and fourth clinical years, the resident is given additional responsibility as a leader on surgical teams including the trauma service, thoracic surgery, vascular surgery and transplantation surgery. Additional experience is also gained as senior resident in general surgery at the Holzer Clinic, Gallipolis, Ohio. Residents may also choose to do a global health surgery elective in Malawi, Africa.

In the fifth year, Chief Residents lead general surgery teams with faculty supervision at University of Cincinnati Medical Center, general and colorectal surgery services at The Christ Hospital, and the general surgery teams at the VAMC and West Chester Hospital. University of Cincinnati Medical Center provides extensive experience in gastrointestinal disease, hepatobiliary disease, pancreatic disease, colorectal surgery and surgical oncology. Residents at The Christ Hospital are exposed to a wide variety of surgical pathology and have the opportunity to learn about the private practice of surgery. The surgical services at the VAMC and West Chester Hospital care for general, colorectal and thoracic surgery patients.

General Surgery Residents
2019-2020

Graduating Chief Residents:

Meghan C. Daly, MD – State University of New York at Buffalo – Entered Colorectal Surgery Fellowship, Advent Health, Orlando, FL

Benjamin R. Huebner, MD – University of Nebraska – Entered Critical Care Fellowship, University of Washington, Seattle, WA

Paul T. Kim, MD – University of Iowa – Entered Minimally Invasive Surgery Fellowship, Anne Arundel Medical Center, Annapolis, MD

Young Kim, MD – University of Cincinnati – Entered Vascular and Endovascular Surgery Fellowship, Massachusetts General Hospital, Boston, MA

Aaron P. Seitz, MD – University of Cincinnati – Entered Critical Care Fellowship, University of Cincinnati, Cincinnati, OH

Brent T. Xia, MD – Thomas Jefferson University – Entered Surgical Oncology Fellowship, Moffitt Cancer Center, Tampa, FL
General Surgery Residents 2020-2021

**First Year:**
Alaina M. Body, MD – University of Cincinnati  
Michela M. Carter, MD – University of Cincinnati  
Ryan C. Chae, MD – University of Cincinnati  
Stephen J. Hartman, MD – University of California, San Diego  
Kevin Kulshrestha, MD – University of Pennsylvania  
Adam D. Price, MD – University of Cincinnati  
Jenna N. Whitrock, MD – University of Missouri-Columbia

**Second Year:**
M. Ryan Baucom, MD – East Carolina University  
Zishaan A. Farooqui, MD, PhD – University of Michigan  
Mordechai G. Sadowsky, MD – Wayne State University  
Emily J. Schepers, MD – University of Missouri - Columbia  
Dhavan N. Shah, MD – University of Cincinnati  
Stephanie Sisak, MD – Drexel University  
Aaron L. Womer, MD – Case Western Reserve University

**Research:**
Allison M. Ammann, MD – Texas Tech University  
Aaron M. Delman, MD – Wayne State University  
Eileen C. Donovan, MD – University of Cincinnati  
Michael E. Johnston, MD – Indiana University  
Christen Salyer, MD – Indiana University  
Kathleen E. Singer, MD – University of Massachusetts  
Karthik Thangappan, MD – Thomas Jefferson University  
Kevin M. Turner, MD – Loyola University  
Dennis M. Vaysburg, MD – Temple University  
Taylor E. Wallen, MD – Central Michigan University  
S. Whitney Zingg, MD – University of Tennessee

**Third Year:**
Betzaira G. Childers, MD – University of Texas, San Antonio  
Al-Faraaz Kassam, MD, MBA – Rush University  
Tiffany C. Lee, MD, MS – University of Rochester  
Mackenzie C. Morris, MD – Jefferson University  
Kasiemobi Pulliam, MD – Indiana University  
Monica L. Wagner, MD – University of Cincinnati  
S. Whitney Zingg, MD – University of Tennessee

**Fourth Year:**
Jennifer E. Baker, MD – Thomas Jefferson University  
Alexander R. Cortez, MD – University of Cincinnati  
Hannah V. Hayes, MD – University of Cincinnati  
Nick C. Levinsky, Jr., MD – University of Cincinnati  
Leah K. Winer, MD – Thomas Jefferson University

**Chief Year:**
Lauren M. Baumann, MD – Michigan State University  
Ryan M. Boudreau, MD – Albert Einstein College of Medicine  
Vikrom K. Dhar, MD – Michigan State University  
Andrew D. Jung, MD – St. Louis University  
Winifred M. Lo, MD – Northwestern University  
Grace M. Niziolek, MD – University of North Carolina at Chapel Hill  
Amanda M. Pugh, MD – East Carolina University

**Honors and Awards 2019-2020**

**Faculty:**
A total of 31 department of surgery faculty were recognized as Best Doctors in America by *Cincy Magazine* and Top Doctors in Cincinnati by *Cincinnati Magazine* for 2020.

**Syed A. Ahmad, MD**
Named as the Hayden Family Endowed Chair for Cancer Research.  
Named as Co-Director of the UC Cancer Center.  

**Krishna P. Athota, MD**
Given the 2020 Gold Apple Award by the UC medical students.  

**Tayyab S. Diwan, MD**
Inducted into Alpha Omega Alpha (AOA) Medical Honor Society.
Deepak G. Krishnan, DDS
Named as Chair of the Anesthesia Committee of the American Association of Oral and Maxillofacial Surgeons. Named a 2020 Top Dentist by *Cincinnati Magazine*.

Joshua W. Kuethe, MD
Given the 2020 Silver Apple Award by the UC medical students.

Louis B. Louis, MD
Named the Louis Buckberg Endowed Chair in Cardiac Surgery.

Sameer H. Patel, MD
Winner of the 2020 Outstanding Surgical Educator Award.

Timothy A. Pritts, MD, PhD
Recipient of the 2020 Excellence in Mentoring Award, an honor created by the College of Medicine’s Office of Student Affairs to recognize faculty who are outstanding mentors to medical students. Named President-Elect of the Central Surgical Association.

Chantal Reyna, MD
Selected by the American College of Surgeons as a Young Fellows Association Liaison to the Synoptic Operative Report Breast Cancer Working Group.

Shimul A. Shah, MD
Accepted into the American Surgical Association. Named as Editor HPB section of Surgery.

Abdominal Organ Transplant Section
Performed the first liver transplantation surgery for isolated metastatic colon cancer within the greater Cincinnati region. Only 10 procedures of this type have been performed in the U.S. to date. 2020 accreditation and initiation of a Living Related Partial Liver transplant program to expand life-saving organ donation to more Cincinnatians in need.

Elizabeth A. Shaughnessy, MD, PhD
Recognized at the American Cancer Society’s (ACS) Strider’s Ball as their Survivor Honoree. President-elect of the Association of Woman Surgeons.

Abhinav Sidana, MD
Served on an international consensus panel on guidelines for focal therapy surveillance for the treatment of prostate cancer.

Robert Van Haren, MD
Named as an Editor of *World Journal of Surgery*.

Residents:

Betzy G. Childers, MD
American Association for Cancer Research’s Minority in Cancer Research Award. Association of Academic Surgeons Travel Award.

Meghan C. Daly, MD
GME Trainee of the Year Award.

Vikrom Dhar, MD

Benjamin R. Huebner, MD
Society of Laparoendoscopic Surgeons Resident Achievement Award.

Andrew D. Jung, MD
James M. Hurst Trauma Resident of the Year Award.

Al-Faraaz Kassam, MD
First author of article featured on cover of February 2020 issue of the *American Journal of Transplantation*.

Young Kim, MD
Tiffany C. Lee, MD
AAS Fall Courses Travel Award.
Winner, Department of Surgery Resident Research Competition – Clinical Section.

Grace E. Niziolek, MD
2020-2021 GME Residency Advisory Committee Resident Representative.

Kasiemobi Pulliam, MD
Winner, Department of Surgery Resident Research Competition – Basic Science Section.
SHOCK Society Diversity Enhancement Award.
Regional Committee on Trauma Resident Paper Competition Oral Presentation Award.

Karthik Thangappan, MD
Accepted in the Cincinnati Children’s Hospital Medical Center’s Clinical and Translational Research Fellowship Program for Master of Science degree.

Mont Reid Surgical Society
The Mont Reid Surgical Society of the University of Cincinnati, founded in 1950, is composed of graduates of the general surgery training program who are active in encouraging professional fellowship among the alumni to advance the art and science of surgery. The Society assists the current resident staff and the Department through funding, lectures, symposiums, publications, and other programs.

Residency Program in Oral and Maxillofacial Surgery

Michael J. Grau, Jr., DMD, Program Director
Assistant Professor of Clinical Surgery

Aimee F. Mezher, Program Coordinator
Department of Surgery
Section of Oral and Maxillofacial Surgery
University of Cincinnati College of Medicine
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Cincinnati, OH 45219
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The oral and maxillofacial surgery residency training program at the University of Cincinnati is considered one of the oldest training programs of its kind in the country and celebrated its centennial mark in 2013. The program, which received full five-year accreditation in February 2016, offers training in treatment for facial trauma, surgical reconstruction of skeletal deformities, pediatric oral and maxillofacial surgery, pathology of the oral and maxillofacial regions, facial esthetic surgery, temporomandibular joint surgery, dento-alveolar surgery and ambulatory anesthesia.

The Section of Oral and Maxillofacial Surgery offers a four-year certificate program whose principal goal is the training of residents to practice the broad scope of oral and maxillofacial surgery and to become qualified and prepared to successfully pass the American Board of Oral Maxillofacial Surgery examination and obtain Diplomate status. Our resident OMSITE (Oral and Maxillofacial Surgery In-service Testing Examination) scores are consistently very competitive with the national average.

Oral and maxillofacial surgery provides patient care at University of Cincinnati Medical Center, Cincinnati Children’s Hospital, Veteran’s Affairs Medical Center, and West Chester Hospital, and draws patients from the entire tri-state area and beyond.

Oral and maxillofacial surgery bridges medicine and dentistry, and training requires exposure to general surgery, otolaryngology, plastic and reconstructive surgery, internal medicine and anesthesia, among other specialties. Some rotations such as anesthesia are extensive for six months with emphasis on pediatric anesthesia, while some rotations such as the cleft lip and palate surgery rotations in India are more peripheral and intended to expose the resident to this surgery, but not train to competency.

Residents are also encouraged to engage in an active clinical or bench research project that should culminate in presentation of an abstract at a national forum and publication of the findings in a peer reviewed journal. Oral and maxillofacial surgery residents and faculty have presented their research findings at the national meetings of the American Association of Oral and Maxillofacial Surgeons (AAOMS), the International Conference of Oral and Maxillofacial Surgeons (ICOMS), and other local and regional forums.
Currently, the section is engaged in research pertaining to long term outcomes for patients receiving full mouth extractions, bicarbonate buffered lidocaine in the presence of odontogenic infections, debridement of stage II MRONJ utilizing fluorescence-tetracycline bone labeling and the prevalence of psychiatric illness in patients undergoing outpatient Oral and Maxillofacial Surgery procedures. The Section of Oral and Maxillofacial Surgery at UC also hosts the annual intern boot camp that trains all the incoming OMS residents from the residencies in Ohio, Kentucky, Illinois and Indiana.

Our residents and faculty serve on local, regional, national and international committees and influence policy making as it relates to training and education of oral and maxillofacial surgeons.

Oral and Maxillofacial Surgery Residents 2020-2021

First Year:

William Decker, DMD – Medical University of South Carolina College of Dental Medicine
Maria Deleonibus, DMD – Case Western Reserve University School of Dental Medicine
Thomas Inman, DDS – University of Tennessee College of Dentistry
Skyler Williams, DMD – University of Alabama at Birmingham School of Dentistry

Second Year:

Chad Curtis, DDS – Columbia University College of Dental Medicine
Jaehee Hong, DMD – Case Western Reserve University School of Dental Medicine
Justin Kirkwood, DMD – University of Pennsylvania School of Dental Medicine

Third Year:

Guntas Kakar, DDS – UCLA School of Dentistry

Tony Montgomery, DMD – University of Louisville School of Dentistry
Yotom Rabinowitz, DDS – SUNY Buffalo School of Dental Medicine

Fourth Year:

Nicholas Broccoli, DDS – Virginia Commonwealth University School of Dentistry
Michael Rechtin, DMD – University of Kentucky College of Dentistry
Payal Verma, DMD – Perelman School of Medicine at the University of Pennsylvania

Residency Program in Plastic, Reconstructive and Hand Surgery

Ann Schwentker, MD, Program Director
Associate Professor of Surgery
Division of Pediatric Plastic and Craniofacial Surgery
Cincinnati
Children’s Hospital Medical Center

Kathy Hoh, TAGME, Program Coordinator
Department of Surgery
Section of Plastic, Reconstructive and Hand/Burn Surgery
University of Cincinnati College of Medicine
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The Division of Plastic Surgery faculty are committed surgeon educators who have developed an expanded educational environment to help fulfill their mission of providing the best training experience. With the wide variety and volume of clinical opportunities available at the Cincinnati Children’s Hospital Medical Center, University of Cincinnati (UC) Medical Center, Cincinnati Department of Veterans Affairs Medical Center, University of Cincinnati West Chester Hospital, and in the surrounding community, the division provides excellent educational content for students and residents, while delivering first-rate patient care and providing opportunities for collaborative efforts for both clinical and basic science research in plastic surgery.

Although each member of the division has unique areas of interest and expertise, our major strengths are our core values of teamwork, dedication to excellence, and ability to work as a cohesive group. The faculty surgeons are dedicated to providing an environment for training plastic surgeons within the entire spectrum of plastic surgery.

The division provides training in the integrated pathway in plastic surgery training as well as the independent pathway. The integrated program continues to evolve with more intensive plastic surgery and plastics-related rotations ear-
lier in the training schedule for junior residents. The rotations, progression, knowledge, skill and responsibility vary according to the pathway and the individual; however, the ultimate level of proficiency and dedication to core values is the same for all residents. Two month-long content-based rotations during the senior years give the residents an in-depth exposure to the preoperative evaluation of new patients, surgical planning, care in the operating room, and both inpatient and outpatient postoperative care. Senior residents are on call an average of every 6th night.

The Division of Plastic Surgery has use the ACGME’s “Milestones” program for the evaluation of residents, in combination with faculty evaluations, 360 evaluations, surgical skills evaluations, and review of case logs, research, and professionalism by the Clinical Competency Committee. The residency programs have both received continued accreditation from the ACGME.

Conferences

Monday 5:00-6:00 p.m. – Plastic Surgery Curriculum Conference with attending participation under direction of Dr. Ann Schwentker. The full spectrum of plastic surgery is covered in a rotating two-year schedule.

Wednesday 7:00-8:00 a.m. – Weekly Pre-op Conference.

Wednesday 8:00-9:00 a.m. – Weekly Grand Rounds or monthly M&M.

Fridays 6:30-7:30 a.m. – Hand Conference/In-Service Prep under the direction of Dr. David Megee, Associate Program Director. Combined Ortho/Plastics conference last Friday of each month. Hand education is also organized in a rotating two-year schedule.

Journal Club 6:30-8:30 p.m. – Last Thursday of each month, quarterly on Wednesday morning in place of Grand Rounds.

• Conference schedules are published at the beginning of the year to allow for individuals to plan ahead.

• Residents read the selected articles, Plastic Surgery Education Network modules, and review old in-service questions pertinent to each topic prior to Curriculum, Hand, In-Service Prep, and Plastic Surgery Case Review conferences.

• For Pre-Op Conference, residents are expected to know pertinent clinical details about patients scheduled for operation on their rotation. Residents are asked questions about operative decision-making, alternate options for treatment, and other aspects of patient care.

• Presentation skills are a critical part of plastic surgery education. These skills are acquired by frequent practice. Additionally, the study of one particular topic of interest by reviewing the literature teaches each of us how to research and effectively present new information. In accordance with these goals, the weekly grand rounds conference will consist of both resident and faculty presentations.

• Each plastic surgery resident is required to give 30-minute formal Grand Rounds presentations. Senior residents present three times a year while junior residents present two times per year.

• Plastic Surgery M & M conference occurs monthly at our Wednesday morning conference time. The General Surgery M & M case is determined by the faculty the week before, and is presented by the faculty member and resident involved in the M & M.

• Research conference occurs one Wednesday per quarter. During this conference, residents update the division on their research progress. Any abstracts or posters selected for presentation at national meetings will also be presented during this conference. This coordinates with regular Wednesday pre-op/Grand Rounds.

• The remaining conferences are faculty lectures on different topics and include full-time faculty, volunteer faculty, visiting professors, and non-plastic-surgeon faculty.

Cadaver Lab

Cadaver dissections are planned quarterly to supplement and reinforce topics covered in the didactic sessions.

Resident Cosmetic Clinic

The senior residents see patients presenting for the full spectrum of aesthetic concerns at the Holmes Hospital, staffed by Dr. Kitzmiller and Dr. Schwentker. Those patients electing surgery are presented both pre- and post-operatively at Pre-Op conference so that the entire group can learn and continuity of care is preserved.

Injectables

Residents gain experience with safe use of cosmetic injectables evaluating patients in the resident cosmetic clinic at Holmes Hospital, with injections performed in clinic at the MAB and during quarterly conferences staffed by Dr. Schwentker at the Children’s Hospital.
Micro Lab

Microscopic laboratory sessions are planned at least quarterly to allow hands-on experience with microsurgical techniques utilizing in vivo and in vitro models. There is now a fully functional operating microscope in the conference room for dry lab practice.

Research, Publications, and Travel

Scholarly activity of both attendings and residents is an important component of our division. Each of us shares some responsibility for our own education and to contribute to the betterment of our specialty. Engagement in research activity is mandatory and will be considered for promotion and ultimate completion of the residency.

Residents in every year are expected to make significant progress in a selected research project each academic year. Residents in the senior years are expected to submit an abstract for presentation and/or a paper to a peer-reviewed journal each academic year. With prior planning, expenses for resident travel to meetings will be paid if the resident is presenting at the meeting. All residents are required to submit an abstract to the Ohio Valley Society of Plastic and Reconstructive Surgeons every year.

Residents submit biannual written research reports which are reviewed by Dr. Schwentker to help ensure projects are appropriate and progressing. Research is presented during Grand Rounds twice a year. All residents participate in an annual Q-I project under the direction of Dr. Schwentker.

Clinical Support

Physician assistants and/or nurse practitioners at all locations are an integral part of the health care team, helping to decrease service obligations and maximize education.

Residents as Teachers

The residents supervise and instruct junior learners in graduated and progressive fashion which allows our residents to consolidate valuable teaching skills. The division educates UC and visiting medical students as well as rotating residents from ENT, OMFS, Ortho, Neurosurgery, Podiatry, Urology, and outside programs. We have instituted a Junior Resident Skills Checklist to track knowledge and skills acquired during the plastic surgery rotation. This serves as a useful metric to the home program and determines when junior residents are able to perform consults and minor procedures without direct supervision.

Recruitment

Both residency programs are highly competitive and have been successful in matching well-qualified applicants. The program is known for the breadth of education and the close working relationships among residents and between staff and residents.

Placement

The residents have been successful in matching into top plastic surgery fellowships in hand, microsurgery, and craniofacial surgery over the past 5 years. Residents entering practice directly have been highly sought after and have successfully found positions throughout the United States.

Plastic, Reconstructive and Hand Surgery Residents 2020-2021

Independent Program:

PGY-6: Lane Guyton, MD – East Carolina University
PGY-9: Frank Yuan, MD – Michigan State University
PGY-9 (Chief): David Parizh, DO – New York College of Osteopathic Medicine

Integrated Program:

PGY-1: Nathaniel Roberson, MD – University of Cincinnati
PGY-2: Maleeh Effendi, MD – Texas Tech University
PGY-3: Joseph Easton, MD – Indiana University
PGY-4: Douglas Dembinski, MD – University of Cincinnati
PGY-5: Suma Yalamanchili, MD – University of Cincinnati
PGY-6 (Chief): Brian W. Starr, MD – Wright State University
**Residency Program in Urology**

*Courtney Plattner, MD, Program Director*
Assistant Professor of Surgery

*Violisha Willis, Program Coordinator*
Department of Surgery
Section of Urology
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML0589)
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violisha.willis@uc.edu

The urology residency program continues to sustain the optimal case volume in the nation for resident surgical experiences in several procedural and surgical care areas. Most notable of these are all forms of minimally invasive endoscopic procedures and female incontinence procedures.

The urology program is a five-year program with rotations at the Veterans Affairs Medical Center, Good Samaritan Hospital, Children’s Hospital Medical Center, and University Hospital, and West Chester Hospital. Four years of adult urologic surgical training are complemented with six months of training in all forms of pediatric urologic surgery and six months of general surgery.

Recent changes in faculty have fine-tuned our laparoscopic, robotic and female urologic capabilities. As a result, the residents benefit by increased skill upon completion of the program. Residents completing our program historically have had no difficulty being accepted in fellowship programs or developing successful careers in urologic surgery.

Residents whose submitted papers are accepted for presentation at a national or sectional meeting are given funding to attend the meeting. Annually, at the state level, all residents in the program are encouraged to attend the Ohio Urological Society meeting where they are exposed to the expertise of nationally known urologists and issues of managed care and reimbursement.

**Conferences**

Regularly held conferences include: Morbidity and Mortality, Indications Conference, weekly didactic lectures, adult and pediatric journal clubs, and a pediatric lecture series. Urology has a monthly tumor board meeting in conjunction with Radiology, Oncology, Radiation Oncology, and Pathology.

**Urology Visiting Professors**

Three times each year, visiting professors meet with faculty and residents (normally twice a year the adult urology interests are addressed and once per year the pediatric area). We also host numerous “visiting” professors from departments within the college who guest lecture at the regularly scheduled weekly urologic educational conferences.

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**Urology Residents 2020-2021**

**First Year:**
- Anirudh Guduru, MD – Saint Louis University
- Brandon Mudd, MD – University of Louisville

**Second Year:**
- Monzer Haj-Hamed, MD – Northeastern Ohio Medical University
- Justin Streicher, MD – University of Cincinnati

**Third Year:**
- Michael Binner, MD – University of South Florida College of Medicine
- Daniel Lama, MD – University of California, Irvine

**Fourth Year:**
- Y. Hannah Hong, MD – University of Cincinnati
- Brian McGillick, MD – Stony Brook University

**Fifth Year:**
- Engy Habashy, MD – University of Central Florida
- Spencer Hill, MD – Wright State University

**Honors and Awards (Residents):**

**Scholar in Urology Award:**
- Matthew Smith, MD

**Outstanding Achievement Award:**
- Spencer Hill, MD

**Art Evans Award:**
- Hannah Hong, MD

**Director’s Achievement Award:**
- Jonathan Corbett, MD

**Faculty Teaching Awards**

**Educator of the Year:**
- Natalie Singer, MD
- Lisa Filipkowski, MD (Cincinnati VA Medical Center)

**Neil Frankl Award:**
- Sara Turner
The Division of Pediatric Surgery offers a two-year fellowship in Pediatric Surgery. One new resident is chosen each year through the National Resident Matching Program. To date, over 50 Pediatric Surgery Residents have been trained in the division. The Pediatric Surgery Residency at Cincinnati Children's Hospital is one of the more renowned programs in the United States.

During the training period, the resident assumes graded responsibility and is exposed to the entire spectrum of pediatric surgery, including trauma, neonatal surgery, transplantation, bariatric surgery, extracorporeal membrane oxygenation, fetal intervention, and advanced ano-rectal reconstruction.

The Division of Pediatric Surgery includes 19 full-time pediatric surgeons, 6 PhD researchers, 16 nurse practitioners, general surgery residents from three different programs in Cincinnati, and medical students. The operating room is one of the busiest in the country with over 35,000 cases performed annually. The emergency department evaluates over 100,000 patients each year. Each resident completes approximately 1,100 pediatric surgery cases during their residency. In addition to training the accredited pediatric surgery fellows, the division offers year-long advanced training experiences in Trauma/Critical Care, Fetal Surgery, Colorectal Surgery, Vascular Malformations/Oncology, and Basic Science Research.

We have expanded our Subspecialty Fellowship Program by adding the option to obtain a Master’s Degree from the University of Cincinnati. This optional educational offering will coincide with fellowship. This option requires a two-year commitment which would include clinical and Master’s degree work.

The master’s degree programs offered are:

- Master of Science in Clinical Research, including two optional focus areas:
  1. Clinical Epidemiology/Clinical Effectiveness
  2. Clinical Trials
- Master of Education for Physicians and Other Health Care Professionals
- Master of Public Health

We also offer a two-year experience for an International Fellow as well as a one or two-year training experience in Extracorporeal Membrane Oxygenation (ECMO).

Conferences

- Morbidity/Mortality (weekly)
- Tumor Board (weekly)
- Pediatric Surgical Grand Rounds (weekly)
- Radiology/Surgery Conferences (weekly)
- Trauma M&M (monthly)
- Transplant M&M (quarterly)
- Fetal M&M (quarterly)
- Trauma Case Review (monthly)

2019-2020 Visiting Professors

- Augusto Zani, MD – University of Toronto, General Surgery
  “Stem Cell Therapy for NEC.”
- Doruk Ozgediz, MD – University of California San Francisco, Pediatric Surgery
  “Improving Equity in Global Children’s Surgery: How Can We Harmonize Surgical and Public Health Strategies?”
- Raj Kapur, MD – Seattle Children’s, Pediatric Pathology
  No title given for presentation.
- Brian Roy Garland – The PhysiYoga Project in Colorado
  “Surgical Ergonomics & Wellness.”
- Holly Hedrick, MD – Children’s Hospital of Philadelphia
  “The Pulmonary Hypoplasia Program: An Interdisciplinary Journey from Prenatal Diagnosis Through Long-Term Follow-Up.”

Pediatric Surgery Fellows, 2020-2021

- Eric Rellinger, MD – Senior Fellow
  MD – Vanderbilt University School of Medicine
  General Surgery Residency – Vanderbilt University
- Irene Isabel Lim-Beutel, MD – Junior Fellow
  MD - New York University School of Medicine
  General Surgery Residency - New York University Langone Medical Center
The Cincinnati Children’s Hospital Medical Center, Department of Surgical Services, Division of Pediatric Urology, sponsors the Pediatric Urology Fellowship program. The fellowship is fully accredited by the ACGME. The goal of the fellowship is to prepare our trainees for a career as an academic surgeon. The fellowship meets the American Board of Urology requirements to allow graduates to apply for the Certificate of Added Qualifications (CAQ) in Pediatric Urology.

This fellowship program covers a full complement of pediatric urologic issues with particular attention to the areas of genitourinary reconstructive surgery (including microsurgical techniques), laparoscopic and robotic assisted surgery, uro-oncology and fetal urology. The majority of the fellowship related clinical activity takes place at the Cincinnati Children’s Hospital Medical Center. The program has one or two fellows (we accept one fellow each year) for the duration of two years.

The fellowship comprises a clinical year and a research year. The first year of the fellowship program is dedicated to clinical rotations in Pediatric Urology, The Urogenital Center, The Healthy Bladder Clinic, Urodynamics and the Myelomeningocele Clinic. The fellows also spend time in the various multidisciplinary clinics that exist at Cincinnati Children’s Hospital Medical Center.

The second year focuses on basic science research related to the genitourinary tract; this year is spent in the Pediatric Urology Basic Science Lab under the direct mentorship of Joo-Seop Park, PhD and/or Elizabeth Mann, PhD. The fellow will also be on two weeks of elective in the Pediatric Nephrology service and two weeks of a fellow-chosen elective in Pediatric Surgery, NICU, Colorectal Surgery, or Radiology. During this year the fellow will also have the ability to attend some of the courses in the University of Cincinnati MPH program.

The research year will provide the trainees the opportunity to be directly mentored in basic science research utilizing advanced molecular biology techniques by Dr. Park, who is an Assistant Professor in the Divisions of Pediatric Urology and Developmental Biology. Dr. Park has a detailed research curriculum that takes the trainees through the process of creating a hypothesis, experimental design, conduct of the project, and data analysis.

The fellowship has a strong emphasis on didactics. Our conference schedule is below.

**Conferences**

- Clinical Indications Conference (weekly, fellow directed)
- Pediatric Urology Topic Review (bi-weekly, fellow directed)
- Pediatric Urology Grand Rounds (monthly)
- Pediatric Urology Radiology Conference (monthly)
- Urology Basic Science Review (bi-weekly)
- Clinical Case Management Conference (monthly)
- Pediatric Urology Journal Club (monthly)
- Complex Center Conference (monthly)
- Complex Urology/Colorectal Center Conference (weekly)
- Combined Complex Urology/Colorectal Center Conference (monthly)
- UC/CCHMC Morbidity and Mortality Conference (monthly)
- Disorders of Sexual Differentiation (DSD) (Pediatric Urology, Pediatric GYN, Pediatric Endocrinology, Clinical Effectiveness, Genetics & Social Work – bi-weekly)

**Current Fellows**

- **Campbell Grant, MD**
  George Washington University Hospital (Urology Residency)
- **Thomas “TJ” FitzGibbon, Jr., MD**
  University of Louisville (Urology Residency)
Forging a Trail for General Surgery Residents Emerging as Surgeons, Scholars and Leaders

6th Annual Meeting of a Consortium of Academic Surgery Educators & General Surgery Residents

Teton Mountain Lodge & Spa
Jackson Hole, Wyoming

January 9-12, 2020
Surgeons, Scholars and Leaders

Development of residents and junior faculty into surgeon leaders requires more than just technical skill. To help fill the gap between caring for patients and leadership skills, UC Surgery is proud to continue to offer the Surgeons, Scholars and Leaders (SSL) retreat and professional development conference, attended this year by our faculty and residents as well as participants from Ohio State University, University of Louisville, University of Kentucky, and others. The retreat was held in Jackson Hole, Wyoming, and included program discussions on:

- Motivating Medical Students
- Inspiring and Promoting Young Academic Surgeons
- Applying Military Leadership to the Civilian World
- Financial Planning
- Compensation and Contracts
- Developing a Referral Base/building your Practice
- Networking in the World of Academic Surgery
- Mentorship vs. Sponsorship
- Promotion and Tenure
- Emotional Intelligence and Professional Success
- Surgical Societies
- Administrative Appointments
- Physician Activism on Gun Regulation
- Role of Open Access to Journals

The conference was also a wellness success characterized by good exercise, scenic beauty, no slope injuries and a good time had by all. Due to the Covid-19 pandemic, our next retreat is tentatively scheduled for January 2022, again in Jackson Hole, Wyoming.
Advanced Training Program in Cardiothoracic Surgery

Sandra L. Starnes, MD, Program Director
Professor of Surgery
Chief, Section of Cardiothoracic Surgery
Director, Division of Thoracic Surgery

Robert Van Haren, MD, Associate Program Director
Assistant Professor of Surgery
Division of Thoracic Surgery

Andrea Anderson, C-TAGME, Program Coordinator
Department of Surgery
Division of Thoracic Surgery
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML0558)
Cincinnati, OH 45267-0558
513-584-1387
andrea.anderson@uc.edu

Applications for the thoracic surgery residency training program can be obtained from the following address:

National Residency Match Program
2501 M Street Northwest, Suite 1
Washington, DC 20037-1307
Phone: 202-828-0676
http://www.nrmp.org

Integrated Cardiothoracic Residency Program

Our integrated 6-year (I-6) program provides six years of training after completion of medical school, with one resident starting each year. Our program, which started in 2014, is one of 30 in the country. Our programs provide balanced education in all aspects of cardiothoracic surgery, with an emphasis on minimally-invasive procedures. Our goal is to develop, train and mentor the next leaders in cardiac and thoracic surgery.

In collaboration with the Department of Surgery, residents rotate through general surgery, surgical oncology, vascular surgery, transplant surgery, pediatric surgery, critical care, trauma surgery, cardiac surgery, and thoracic surgery during the first three years of the program to establish strong fundamentals of surgical practice. During the last three years, the residents are educated in all aspects of cardiothoracic surgery including adult cardiac surgery, general thoracic surgery and congenital cardiac surgery, resulting in well-rounded and independent thoracic surgeons. Additionally, the trainees have dedicated rotations in echocardiography, cardiac catheterization, interventional pulmonary and cardiothoracic critical care.

Applicants for our ACGME-accredited advanced training programs in cardiothoracic surgery are selected through the National Resident Matching Program (NRMP).

Clinical Rotations

Adult Cardiac Surgery

The primary adult cardiac surgery experience is at the University of Cincinnati Medical Center (UCMC). Our residents experience, and develop expertise in all aspects of cardiac surgery, including coronary revascularization, valvular heart disease, thoracic aortic disease and surgery for heart failure including heart transplantation, short-term and long-term mechanical circulatory support, and Extracorporeal Membrane Oxygenation (ECMO). There is a robust experience with off-pump coronary artery bypass and minimally-invasive cardiac surgery. In addition, residents gain experience with modern endovascular procedures including transcatheter aortic valve replacement (TAVR) and thoracic endovascular aortic repair (TEVAR) and transcatheter mitral valve procedures.

Our residents rotate at two community cardiac centers, Mercy Jewish Hospital and the Christ Hospital. These sites provide exposure to a high-volume community cardiac surgery with faculty that are dedicated to resident education. In addition, The Christ Hospital rotation provides a unique experience with a high volume of robotic cardiac procedures, including valve surgery and coronary revascularization.

General Thoracic Surgery

During the thoracic surgery rotation, residents are trained in all aspects of general thoracic surgery and thoracic oncology, including benign and malignant lung and esophageal diseases, airway diseases and mediastinal tumors. The general thoracic rotation has a focus on advanced minimally-invasive techniques such as thoracoscopic (VATS) and robotic lobectomy for lung cancer, minimally-invasive esophagectomy, and robotic mediastinal resections. Residents are also trained in advanced airway and esophageal endoscopic procedures such as laser interventions, stent placement and management, and endobronchial ultrasound (EBUS).
Congenital Heart Surgery

Residents rotate on the congenital cardiac surgery service at Cincinnati Children's Hospital Medical Center, a world leader in the management of congenital heart disease. They are an integral part of the team during preoperative planning, intraoperative surgical management and postoperative care of neonates, infants, children, teenagers and adults across the entire spectrum of congenital heart disease. There are cutting edge programs for end-stage heart and lung failure, including heart and lung transplant programs and mechanical circulatory support programs. In partnership with the solid organ transplant program, heart/liver and heart/kidney transplants are performed in patients with extrathoracic multiorgan failure.

In collaboration with the Aerodigestive Center at Cincinnati Children's, the division has the world's most extensive experience with complex tracheal reconstruction in infants and children. Cincinnati Children's consistently ranks among the top in the nation for cardiology and heart surgery as measured by *U.S. News & World Report*.

Education

The thoracic residency has a robust didactic program. A structured weekly cardiothoracic teaching conference covers all topics included in the Thoracic Surgery Core Curriculum and utilizes the Society of Thoracic Surgeons on-line learning management system, monthly quizzes, and a case-based conference series. In addition, we have a monthly debate-style journal club, monthly mini-mock oral examinations, and morbidity and mortality conference.

Residents participate in a structured simulation program comprising a series of animal and cadaver laboratories throughout the year, with sessions for open and thoracoscopic lobectomy, chest wall resection, tracheal resection, sleeve lobectomy, coronary artery bypass, valve repair/replacement, and robotics.

Cardiothoracic Surgery Residents 2020-2021

PGY1:
John T. Kennedy, MD – University of Central Florida

PGY2:
Emily R. Wright, MD – University of Cincinnati

PGY3:
James A. Miller, MD – University of Buffalo

PGY4:
James P. Bailey, MD – Michigan State University

PGY5:
Rachel A. Beaupre, MD – Wayne State University

PGY6 (Chief):
Heather L. Palomino, MD – University of California - San Diego

Congenital Cardiac Surgery Fellowship Program

James Tweddell, MD, Program Director
Professor of Surgery and Pediatrics
Director, Cardiothoracic Surgery
Executive Co-Director, The Heart Institute
Cincinnati Children's Hospital Medical Center

Tiffany Whatley, Program Coordinator
Cincinnati Children's Hospital Medical Center
Division of Cardiothoracic Surgery
The Heart Institute
3333 Burnet Ave., MLC 2013
Cincinnati, OH 45229-3039
513-803-8824
tiffany.whatley@cchmc.org

The UC College of Medicine and Cincinnati Children's Hospital Medical Center offer a two-year accredited fellowship in congenital cardiac surgery. We are one of only 14 programs in the country accredited by the ACGME, leading to eligibility for subspecialty certification in Congenital Cardiac Surgery by the American Board of Thoracic Surgery. Our fellows receive intensive training in all aspects of congenital heart surgery including heart and lung transplantation.

The division performs over 600 cardiac surgeries annually. Cincinnati Children's Hospital consistently ranks among the top programs in the nation for cardiology and heart surgery as measured by *U.S. News & World Report Best Children's Hospitals.*

Applications for the fellowship can be found at: [http://www.tsda.org/the-tsda/congenital-match](http://www.tsda.org/the-tsda/congenital-match).

Current Fellows

Awais Ashfaq, MD
MD: Aga Khan University, Karachi, Pakistan
General Surgery Residency: Mayo Clinic, Arizona
Thoracic Surgery Fellowship: Mayo Clinic, Arizona

Dennis A. Wells, MD
MD: University of Arkansas
Thoracic Surgery Residency: University of Cincinnati
Abdominal Multi-Organ Transplant Fellowship Training Program

R. Cutler Quillin, III, MD, Program Director
Assistant Professor of Surgery
Section of Transplantation

Renee Dudik, Program Coordinator
Department of Surgery
Section of Transplantation
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML0519)
Cincinnati, OH 45267-0519
513-558-3892
dudikre@ucmail.uc.edu

The multi-organ transplantation fellowship had its first fellow starting in 1969. It is approved through the American Society of Transplant Surgeons and employs two fellows (one each year). The program has graduated 41 fellows since that time, with many fellows having gone on to lead transplant divisions across the country and abroad. The fellowship consists of two clinical years of training in liver, kidney, and pancreas transplantation, along with deceased and living donor procurements, hepatobiliary, and vascular access. The fellows become proficient in not only the surgical aspect of transplantation, but also in the clinical management of the routine and complex transplant patient.

The fellowship is structured to provide optimal exposure to all aspects of transplantation throughout the two-year training period. The first year is focused on renal transplant (living and deceased donor), pancreas transplant, deceased donor multi-organ procurements, and vascular access. They also learn management of the inpatient transplant patient in regards to perioperative management. This includes management of immunosuppression medications. Their outpatient duties include attending clinics for evaluation of the pre-transplant renal and pancreas candidates and postoperative management of the same post-transplant patient population. The goal of their first year is to become proficient in the above surgeries and to gain expertise in the evaluation of end stage renal disease and Type 1 diabetic patients for renal and pancreas transplantation, assess their suitability for transplantation, and understand their proposed perioperative surgical course and long-term risks and benefits.

The second year focuses on liver transplantation, living donor nephrectomy, and hepatobiliary surgery, and the fellows continue the perfection of vascular access, kidney and pancreas transplantation, and deceased donor procurements. They learn the perioperative management of the liver transplant recipient, including potential complications. The fellows attend both preoperative and postoperative liver transplant clinics and focus on the outpatient workup of potential liver transplant candidates along with the long-term management of liver transplant recipients.

They also attend a hepatobiliary clinic from which elective cases are scheduled. This allows them the opportunity to participate in preoperative planning, perform the operation, and continue outpatient management. The second-year fellow also focuses on the living donor nephrectomy portion of the living donor kidney transplant process. They not only learn to perfect the operative case, but they are taught the workup of a potential living donor, review of the imaging required to determine kidney selection, and postoperative management. They will participate in the liver selection meeting where potential candidates are discussed in regards to their suitability for transplantation.

The transplant surgery fellow leads the inpatient care of all transplant patients at University of Cincinnati (UC) Medical Center. All transplant recipients are cared for by the Transplant Surgery service, which consists primarily of attending surgeons, surgery fellows, surgical residents and medical students. Structured multidisciplinary rounds are made by the Transplant Surgery service daily, led by the attending surgeons, physicians, and transplant surgery fellow. All immunosuppressive clinical decisions are made by the fellow in coordination with the surgical and medical transplant attendings. As their experience and ability increase, fellows are granted increasing autonomy.

Fellows participate in weekly multidisciplinary conferences for kidney, liver, pancreas, and hepatobiliary. They are responsible for presenting the inpatients, operations and complications. These conferences are attended by transplant surgeons, transplant hepatologists and transplant nephrologists, nurse practitioners, social workers, pharmacists, ethicists, dieticians, coordinators and anesthesiologists.

They also attend a weekly meeting to discuss elective cases, past transplants, and structured didactic teaching. In addition, the surgical fellows attend a multidisciplinary weekly didactic conference along with quarterly transplant grand rounds.
Conferences 2020-2021

Transplant Grand Rounds speakers were of national and international stature. We have also developed formal teaching rounds on Tuesday afternoons and a Friday conference for the residents, students, and fellows where informal teaching is held.

2019-2020 Visiting Speakers

September 24-25, 2019
Twelfth Annual Heekin Family Lectureship
John J. Fung, MD, PhD
Professor of Surgery
Director, Transplant Institute
Chief, Section of Transplantation
UChicago Medicine
Surgical Grand Rounds: “The Development of Liver Transplantation”

October 23, 2019
Nosratollah Nezakatgoo, MD
Associate Professor of Surgery
Director of Pancreas Transplantation
Methodist University Hospital Transplant Institute
Memphis, Tennessee
Surgical Grand Rounds: “Novel Surgical Approaches to Hemodialysis Access”

Transplant Surgery Fellows 2020-2021

First Year:
Martha (Michelle) Estrada, MD
General Surgery Residency – University of Texas School of Medicine

Second Year:
Ivan Dejesus Linares Cervantes, MD
General Surgery Residency – Autonomous National University of Mexico, National Medical Center XXI Century

Surgical Critical Care Fellowship

Krishna Athota, MD, Program Director
Associate Professor of Surgery
Section of General Surgery

Michael D. Goodman, MD, Associate Program Director
Associate Professor of Surgery
Section of General Surgery

Elizabeth Loechle, Program Coordinator
Department of Surgery
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML0558)
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513-558-5861
loechleh@ucmail.uc.edu

The one-year ACGME accredited surgical critical care fellowship program encompasses all aspects of care of the critically ill surgical patient, with emphasis on cardiopulmonary mechanics, principles of resuscitation, and mechanical ventilation. University of Cincinnati (UC) Medical Center is the primary teaching facility for the surgical critical care fellowship. It is the tertiary referral hospital for southern Ohio, eastern Indiana, and northern Kentucky, serving a population of over 2 million with over 80,000 emergency department visits annually. The hospital also maintains the only verified adult Level 1 trauma center and adult burn center for the regions of Southwest Ohio, Eastern Indiana and Northern Kentucky.

UC Medical Center has approximately 116 adult critical care beds, distributed through the surgical, medical, neuroscience, and cardiovascular intensive care units. The SICU consists of 34 adult beds with 150-180 monthly admissions from all surgical specialties, including trauma, general surgery, transplantation, surgical oncology, vascular surgery, urology, orthopedic surgery, thoracic surgery, obstetrics/gynecology, and otolaryngology. Daily multidisciplinary rounds are collaborative in nature, with input and discussion from all team members, including respiratory thera-
pists, pharmacists, and nurses. Subspecialty services such as nephrology, infectious disease, rehabilitation medicine, cardiology, and hematology are available and consulted as needed. Additional clinical support in the SICU includes nutrition services, nurse educator, and dedicated SICU social workers. The SICU at UC Medical Center serves as a critical care educational venue for residents not only from numerous specialties but also from other local and regional institutions.

Other required critical care rotations include the Neuroscience Intensive Care Unit, Cardiovascular Intensive Care Unit, Medical Intensive Care Unit, and the Pediatric Intensive Care Unit at Cincinnati Children’s Hospital Medical Center. The NSICU is a 20-bed unit with neurosurgical admissions following tumor and skull base surgery, spine surgery, advanced neurovascular interventions, and traumatic brain injury. As the region’s stroke center, patients undergoing state-of-the-art therapy for stroke, seizures, and other neurologic diseases are also cared for in the NSICU. Patients in the CVICU include postoperative patients as well as those with heart failure and acute coronary disease. Advanced mechanical support modalities, including ECMO and LVAD, are supported as well. The Pediatric Intensive Care Unit (PICU) in the renowned Cincinnati Children’s Hospital Medical Center is a 36-bed multidisciplinary unit for children beyond the newborn age with over 2,000 combined medical and surgical admissions annually. In addition to pediatric trauma patients, other PICU admissions include neurosurgical, airway reconstructive surgery, solid organ transplantation, and orthopedic patients. All forms of mechanical ventilator support, including liquid ventilation and high frequency ventilation, renal dialysis, continuous venovenous/veno-arterial ultrafiltration, and ECMO are utilized in the PICU.

Other venues for critical care education include the 24 bed Medical Intensive Care Unit and 10 bed Burns Special Care Unit at UC Medical Center. These can be arranged according to fellow interest and availability. Experience in trauma surgery at UCMC and acute care surgery at our Level 3 trauma center in West Chester, Ohio are also offered and encouraged during the one-year fellowship through elective rotations.

The surgical critical care fellowship was reviewed by the ACGME in 2016 and was granted Continued Full Accreditation.

Options for extending the fellowship for a second, non-ACGME accredited year are available and include acute care surgery, trauma, and advanced research and educational opportunities. Second-year positions will be considered on an individual basis depending on funding.

Current Fellows:

Jay Nathwani, MD
MD – Rosalind Franklin University
GS Residency – University of Wisconsin

Aaron Seitz, MD
MD – University of Cincinnati
GS Residency – University of Cincinnati

Past Fellows:

2020 Allyn Checovich, MD - Private practice.
2020 Donald (Christopher) LaSeur, MD - Faculty, Medical City Plano, Plano, Texas.
2019 Ryan Earnest, MD - Assistant Professor, Trauma/Critical Care, University of Cincinnati Medical Center, Cincinnati, Ohio.
2019 Paul Vana, MD - Trauma practice at Advocate Good Samaritan Hospital, Chicago, Illinois.
2018 Anthony England, MD - Surgeon, St. Elizabeth Physicians, Edgewood, Kentucky.
2018 Ian Ferries, MD - Surgeon, Naab Road Surgical Group, St. Vincent Indianapolis – Hospital & Health Care Center, Indianapolis, Indiana.
2017 Gregory Day, MD - Trauma, Surgical Critical Care and Acute Care Surgeon, Memorial Hospital, Colorado Springs, Colorado.
2017 Joshua Person, MD - Assistant Professor, Trauma and Critical Care, UT Health, Galveston, Texas.
2016 Keshav Deshpande, DO - Trauma, Critical Care and Acute Care Surgeon, OhioHealth Grant Medical Center, Columbus, Ohio.
2016 Stephanie Streit, MD - Trauma and Acute Care Surgeon, Nellis Air Force Base, Las Vegas, Nevada.
2015 Kevin Christian, DO - Associate Trauma Medical Director, Acute Care Surgeon at Ferrell Duncan Clinic at Cox Health, Springfield, Missouri.
2015 Alyssa Gans, MD - Assistant Professor of Surgery, Soin Medical Center, Beavercreek, Ohio.
2014 D Anderson Millar, MD - Assistant Professor of Surgery, University of Cincinnati, Cincinnati, Ohio.
2013 Kate Gazenko, MD - General Surgeon, Johnson Regional Medical Center, Clarksville, Arkansas.
Vascular Surgery Training Programs

Amit Jain, MBBS FACS RPVI, Program Director
Associate Professor of Surgery
Section of Vascular Surgery

Sung Yang, MD RPVI, Associate Program Director
Assistant Professor of Surgery
Section of Vascular Surgery

Lisa Evans, Administrative & Program Coordinator
Vascular Surgery Fellowship
Integrated Vascular Surgery Residency Program
Department of Surgery
Section of Vascular Surgery
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML0513)
Cincinnati, OH 45267-0513
513-558-5367
lisa.evans@uc.edu

Vascular Surgery Fellowship Program

The University of Cincinnati (UC) Vascular Surgery Fellowship is a two-year, ACGME fully accredited clinical fellowship. All fellows perform ample standard as well as complex open, endovascular and hybrid procedures during their fellowship and thus not only meet but also exceed graduating standards set by ACGME. This fellowship offers an opportunity to become facile in both standard open surgical procedures, catheter-directed advanced therapy for the treatment of vascular disease, hybrid interventions as well as non-invasive vascular diagnostic laboratory training. Our fellowship offers a unique combination of exposure to an academic university hospital referral practice, VA medical center as well a community hospital private practice setting. Experience in outpatient venous interventions and dialysis access completes the training, making the fellows quite remarkable and adept for both academic and private practice employment opportunities.

Academic and scholarly pursuits are critical to a fellow’s development and future career. Each fellow prepares a manuscript and/or chapter for publication during their clinical fellowship. A formal lecture series has been developed based on the latest V-Score Curriculum in collaboration with other departments at the University to enhance the fellows’ understanding of vascular physiology, anatomy, embryology and pathology. In addition to the teaching lectures, hands on simulation sessions are held throughout the academic year directed towards operative techniques, exposure of vessels and use of latest cutting-edge technology in the field of vascular surgery. The fellows are required to take the Vascular Surgery In-Training Examination and City-Wide Mock Orals, annually.
The expanded clinical base provides an excellent educational experience for our vascular surgery fellows. Our past fellows have, with their endovascular and open surgical skills, enjoyed ample employment opportunities in the geographical region of their choosing around the country. UC had one of the first programs approved for such a two-year clinical fellowship.

**Current Vascular Surgery Fellow:**

Aditya Safaya, MBBS  
MBBS - Padmashree Dr D.Y. Patil Medical College, Mumbai, India  
General Surgery Residency - Westchester Medical Center, Valhalla, New York

**Integrated Vascular Surgery Residency Program**

The Integrated Vascular Surgery Residency Program is a five-year training program aimed at successful graduates of an accredited medical or osteopathic school who wish to specialize in the field of vascular surgery directly. The program includes 18-24 months of core surgical training and 36-42 months of vascular training. The curriculum stresses core education in the management of surgical patients with complex illnesses, and advanced education to develop competency in the diagnosis and treatment of patients with vascular disease.

The goal of core surgery education is to ensure that the vascular resident is competent in the comprehensive evaluation and management of patients with complex illnesses and the basic surgical skills used in the treatment of cardiovascular, thoracic, abdominal and soft tissue diseases. Upon completion of PGY-2, the surgical resident should have acquired the knowledge and skills outlined below to facilitate quality patient care and ensure patient safety. The knowledge and skills should serve as the foundation for further education and training in vascular surgery.

The vascular resident rotate through some of the standard surgery rotations during the first two postgraduate years: general surgery to include gastrointestinal surgery, surgical oncology, endocrine surgery and laparoscopic surgery and trauma surgery; anesthesiology; critical care; plastic surgery; cardiac and thoracic surgery; as well as transplant surgery. The goals of these rotations are similar to the goals of the general surgical training with some additional rotations intended specifically to augment the knowledge and skills expected of a vascular surgeon such as vascular body imaging (CTA, MRA and other techniques). The residents also rotate to The Christ Hospital where they receive valuable Endovascular and Dialysis Access experience.

The final years of training are dedicated exclusively to vascular and endovascular rotations only.

**Current Integrated Vascular Surgery Residents:**

Steve Chausse, MD (Fifth Year) – St. George’s University  
Pravitha Jayapratap, MD (Third Year) – University of Queensland  
Douglas Rodgers, MD (Third Year) – Tufts University School of Medicine  
Loay Al-Jaberi MD (Second Year) – Al-Quds University, Jerusalem  
Kristie Yu, MD (First Year) – Case Western Reserve University

**Conferences:**

Weekly, Department of Surgery Grand Rounds  
Weekly, Department of Surgery, Morbidity & Mortality Conference  
Weekly, Vascular Preoperative Case Conference & Morbidity & Mortality  
Weekly, Vascular Education Conference (Journal Club, Didactics, VESAP and Skills Conference)  
Monthly, Non-Invasive Vascular Laboratory Noon Conference  
Bi-Monthly, Vascular QI Project / Research Noon Conference
The Podiatric Medicine & Surgery Residency Program

Suhail Masadeh, DPM, Chief and Program Director
Bryan Hall, DPM, Assistant Program Director
Lisa Evans, Administrative & Program Coordinator

Vascular Surgery Fellowship  
Integrated Vascular Surgery Residency Program  
Podiatric Medicine & Surgery Residency Program  
Department of Surgery  
Section of Vascular Surgery  
University of Cincinnati College of Medicine  
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Kiana Pugh, Program Coordinator
Podiatric Medicine & Surgery Residency Program  
Podiatric Medicine & Surgery Clerkship  
Vascular Surgery Residency Administrative Assistant  
Department of Surgery  
Section of Vascular Surgery  
University of Cincinnati College of Medicine  
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pughku@ucmail.uc.edu

The Podiatric Medicine & Surgery Residency Program with Reconstructive Rearfoot and Ankle Surgery prides itself on the pursuit of excellence and educational experience of podiatric residents with other podiatrists and attending surgeons. It is through the hard work of the administration, residents and attending staff that this program has maintained its successful accreditation and support of the Council on Podiatric Medical Education.

Podiatric surgery residents participate fully in the evaluation, care and surgical management of a large volume of patients in the Emergency, Inpatient and Outpatient Departments. Throughout the three years of training, the resident is exposed to a vast array of experiences that include limb salvage procedures, rearfoot and forefoot reconstructive surgeries, and nuclear medicine and its applications to podiatric medicine. Residents rotate on multiple services maintaining a well-balanced curriculum of Internal Medicine, Behavioral Health, Plastic Surgery, Radiology, Anesthesia, General Surgery, Pathology, Emergency Medicine, Dermatology, Wound Care, Infectious Disease, and Orthopedic Surgery. In order to provide maximum diversity during the podiatric surgery rotation, residents participate in a very busy clinic where the resident is exposed to a variety of pathology in preparation for the types of patients they will see as practicing podiatrists.

Didactic activities are held weekly and consist of lectures, Café discussions, and Grand Rounds. Cadaver Labs, Journal Clubs, and/or Workshops take place monthly. Residents frequently combine conferences and labs with other local hospitals for a more well-rounded experience. In addition, web-based Present Courseware lectures are a part of the curriculum and viewed weekly by each resident.

Current Podiatric Medicine & Surgery Residents:

Michael Liette, DPM (Third Year) – Kent State University, College of Podiatric Medicine
Nathan Rossi, DPM (Third Year) – Kent State University, College of Podiatric Medicine
Alec J. Dierksheide, DPM (Second Year) – Kent State University College of Podiatric Medicine
Zachary J. Washburn, DPM (Second Year) – Kent State University College of Podiatric Medicine
Allison Hamad, DPM (First Year) – Kent State University College of Podiatric Medicine
Alex Schaeffer, DPM (First Year) – Kent State University College of Podiatric Medicine

Medical Student Education

Kevin L. Grimes, MD  
Director, Surgical Student Education  
Assistant Professor of Surgery  
Section of General Surgery

Joshua W. Kuethe, MD  
Associate Director, Surgical Student Education  
Assistant Professor of Surgery  
Section of General Surgery

Latifa Sage Silski, MD  
Associate Director, Surgical Student Education  
Assistant Professor of Surgery  
Section of Transplantation

Adrienne Jones, Program Coordinator

Department of Surgery
University of Cincinnati College of Medicine  
231 Albert Sabin Way (ML0558)  
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The Department of Surgery is committed to providing excellent educational experiences for medical students. A dedicated team of faculty and staff have developed one of the strongest clerkships within the College of Medicine
and increased the number of graduating students who have chosen to pursue a career in surgery. Mentoring of students by the Director of Surgical Student Education and the Director of Medical Student Development is an integral part of the educational experience students have while working within the Department of Surgery. Improvements to the structure of the surgery clerkship curriculum have helped us to increase the depth and breadth of students’ knowledge of surgery.

We also work to be efficient with the students’ time. As part of the integration of basic science and clinical years, a combined medicine and surgery intersession provides students with an intense one-week preparation for the rotation. These improvements include didactic and interactive teaching sessions. On day two of the intersession we lead a four-hour lab where surface anatomy, laparoscopic anatomy, surgical procedures, and clinical workup of common surgical problems are all discussed at a cadaver station. This case-based interactive session with fresh cadavers has been one of the highest rated sessions of the third year. All students participate in a “practical session” in the Skills Lab as well. During these sessions, they learn to suture, knot tie, and insert central venous catheters. In addition, they perform several portions of the Fundamentals of Laparoscopic skills course. Collectively, these sessions broaden each student’s knowledge of surgical disease and procedures, and also begin to develop their technical skills. Students and faculty have responded very positively to this initial week of concentrated teaching and learning. When they begin their clinical rotations, the students are better prepared for their patient management and operating room experiences, and thus are able to make a more valuable contribution to the surgical team.

We utilize the National Board of Medical Examiners (NBME) Surgery exam as our clerkship final written examination. The use of this exam helps maintain the integrity of our testing system and shows how our results compare to those from other surgical education programs throughout the country. An online evaluation system has also been established that enables students to provide timely, constructive feedback regarding their learning experience on the Surgery Clerkship, as well as comments regarding faculty and resident teaching performance. We encourage helpful feedback and take these comments into consideration as we progressively modify the experience for better education.

During the fourth year, students have the option of gaining additional experience in surgery with several electives. Acting Internships are available in General Surgery, Surgical Oncology, Trauma, Transplant Surgery, and Pediatric Surgery. Every student aspiring to a general surgical residency is encouraged to enroll in the acting internships. Students are assigned tasks and responsibilities commensurate with the level of a surgical intern. The Critical Care acting internship involves managing patients admitted to the Surgical Intensive Care Unit, and students participate in the acute resuscitation and management of many types of patients. The core of the rotation is centered on the multidisciplinary rounds led by surgical intensivists, with participation by pharmacy, respiratory therapy, nutrition, and nursing. Fourth-year students pursuing a career in surgery are also invited to participate in a surgery “Boot Camp.” During this five-hour session, they are given practical lectures on common clinical scenarios and provided the opportunity to practice technical procedures on an animate model. They are able to hone skills in instrument handling, suturing, tissue dissection, and obtaining exposure.

**Continuing Medical Education**

UC Surgeons are pleased to be a resource for practicing physicians. We are excited to share the latest clinical and research findings with you. We invite you to join us for Grand Rounds, teaching conferences and visiting professor lectures. Innovative procedures and technologies are evaluated, current protocols are reviewed and the future of our specialty is discussed.

Surgical Grand Rounds, Curriculum Conference, and Morbidity & Mortality are conducted each Wednesday morning in the historic Surgical Amphitheater located in the University Hospital. The curriculum conference is based on the American Board of Surgery SCORE curriculum and will consist of a concise review of the reading assignment and a faculty member who will moderate the session and review case studies. Surgical Grand Rounds is CME Category I for any faculty member in attendance who completes the evaluation sheet.

The University of Cincinnati College of Medicine designates these educational activities for Category 1 CME credit toward the AMA Physician’s Recognition Award. The University of Cincinnati College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to sponsor CME for physicians.

Further information on the Office of Education can be viewed at [med.uc.edu/surgery](http://med.uc.edu/surgery).
Aaron P. Seitz, MD - “Best Teaching Resident Award” and “Max Zinninger Award”

Young Kim, MD - “Josef E. Fischer Award”

Kasiemobi Pulliam, MD - “Best Oral Presentation Award”
Residents and Fellows Acute Care Research Showcase

Sameer Patel MD - “Outstanding Educator Award”

Young Kim, MD - “Gold Humanism Award”

Aaron P. Seitz, MD - “Best Teaching Resident Award” and “Max Zinninger Award”
Center for Surgical Innovation (CSI)

Expanding the Frontiers of Medicine

About Us

The Center for Surgical Innovation (CSI) is a collaboration between the University of Cincinnati (UC) departments of surgery, biomedical engineering, emergency medicine, and Cincinnati Children’s Hospital Medical Center.

The collaboration was established to develop, assess, and enhance new technologies in biomedical and surgical care. Located in the UC College of Medicine’s Medical Sciences Building, CSI is a 3,700-square-foot research and teaching facility. The space includes both a teaching laboratory and an operating room, equipped with the latest surgical technology.

Whether it is continuing medical education, device development, procedure modification, or training and simulation, CSI is a tremendous resource for both UC-affiliated faculty as well as regional businesses, community medical practitioners, engineers and scientists.

Capabilities

CSI welcomes the opportunity to work with regional industries. Surgeons, medical practitioners and scientists from across the region come to our state-of-the-art training and conference facility to teach, train, explore and discover. The lab has the capability of both animate (animal) and inanimate (cadaver) models to be used for teaching, training and research. All cadavers are provided by the UC Body Donation Program.

CSI is equipped with the following technologies:

- Laparoscopy
- Fluoroscopy
- Telemedicine
- Video Recording
- Didactic Lecture

The facility is also equipped with:

- Five plasma screens and a projector that can be used to display images and demonstrate procedures
- Space for up to seven work stations and 30-40 people
- A small conference room adjoining the lab with a plasma screen and projector (access to larger rooms located within the department of surgery and College of Medicine are also available)

Trained staff members of CSI are available for planning and organizing teaching labs to ensure that lab requirements are met.
Partnerships

Building collaborative partnerships is a key component of CSI’s continuing success.

CSI has grown and benefited from generous donations of financial support, as well as donations of hardware from both internal and external sources.

Additionally, CSI is grateful for philanthropic commitments, and was established in part by a generous gift from Mr. Carl Lindner, a Cincinnati business leader.

Please contact us at (513) 558-5044 for more information on how to become a partner and/or make a donation.

Contact Us

CSI laboratory facility is equipped for UC affiliates, as well as corporate industries, to conduct training labs and/or research and development activities.

For more information on using CSI laboratory, visit med.uc.edu/surgery or contact:

Judy Heyl
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UC Institute for Military Medicine

Overview

The University of Cincinnati (UC) Institute for Military Medicine was created by the department of surgery around its core strength of clinical and research faculty, with interests in trauma and critical care. It was named an official Institute of the University of Cincinnati by the Board of Trustees in August 2009. The Institute functions as an interdisciplinary network of investigators across the breadth of the university who share a common focus related to the treatment and care of seriously injured patients. It is not structured as a research silo or confined department, but rather as a coalition of clinicians and scientists who bring unique perspectives to bear on a common problem. The Institute is uniquely distinguished by its presence across the Department of Defense, the Military Health System, the UC College of Medicine, and clinical care within a university system.

The UC Institute for Military Medicine (IMM) has partnered with the United States Air Force, the Department of Defense, the Joint Program Committee-6 (JPC), and the Naval Medical Research Unit (NAMRU), to name a few of the many military funding sponsors. The goal of this collaboration is to seek answers to identified shortfalls and needs in the scientific understanding of traumatic injuries and care of the injured soldier. An additional significant advantage uniquely leveraged by the IMM is the rapid translation of this new knowledge not only to the military community but to the civilian trauma setting as well. The IMM is uniquely distinguished by its synergistic platform which allows immediate access to all team members across the entire spectrum of military medical providers, clinicians, and scientists in the setting of a century-old college of medicine whose robust infrastructure provides expertise and continuity to answer evolving military medical challenges.

The missions of the UC Institute for Military Medicine are to:

- discover the scientific basis of traumatic injury and translate this knowledge into better treatments for combat casualties and civilian patients
- develop technology that can be applied in military and austere environments to advance the care of the acutely injured patient
- provide state-of-the-art training for those caring for our wounded soldiers
- prepare and train the next generation of clinical and research leaders in traumatic injury
Programs

The UC Institute for Military Medicine has a broad range of programs that serve to advance its missions.

Clinical & Applied Science

This section entails projects that serve to develop equipment solutions and technologies to advance the care of acutely injured patients. These projects translate scientific findings into clinical practice algorithms or demonstrate novel applications of technology for patient care. Examples of the types of projects in this program include: clinical trials of blood component therapy for massive transfusion, development and application of a closed-loop autonomous ventilator, oxygen conservation and generation technology for far-forward environments, and effects of fatty acid supplementation on recovery from traumatic injury.

Basic Science

The basic science section focuses on the traditional and fundamental aspects of scientific research. Projects within this program are directed towards increasing our understanding of the biology of traumatic injury at a genetic, molecular and cellular level, and to elucidate the fundamental cellular changes impacted by trauma with a goal of establishing translation to potential therapeutic strategies. Examples of projects in this program include: effects of resuscitation with blood component therapy on systemic inflammation after hemorrhagic shock, neuroinflammation of traumatic brain injury, effects of aeromedical evacuation on the severely injured, and detrimental effects of age on red blood cell function.

Training

The training program has projects that extend to both clinical and scientific training and serve to promote the excellence of trainees in the care of the acutely injured. Our partnership with the military as one of five National Military Medical Training Centers includes multiple venues:

- Cincinnati C-STARS/CCATT
  Trains the Critical Care Air Transport Teams (CCATT) of the USAF that are responsible for medical care of seriously injured soldiers during transport from the combat theater to Europe and the USA. CCATT teams consist of three medical providers (MD, RN, RT) and usually employ a fixed wing platform.

- Nurse Transition Program USAF
  The USAF Nursing Corps (NC) utilizes the clinical platform of inpatient care at University Hospital to provide the academic and clinical experience for USAF nurses transitioning to practice.

- Training of military and civilian medical personnel under simulated stressful conditions in order to hone their skills and reduce errors.

- A basic science research training program funded by the National Institutes of Health on the biology of trauma helps to develop future scientists in the field of trauma and acute injury.

Contact Information:

Elizabeth (Betsy) Rodarte Boiman
Administrator, Division of Research
Department of Surgery
University of Cincinnati
513-558-8674
Elizabeth.Boiman@uc.edu

Additional information about the UC Institute for Military Medicine can be viewed at med.uc.edu/surgery.
The Section of Cardiothoracic Surgery

The University of Cincinnati (UC) division of cardiac surgery leads the Tri-State region in the discovery and advancement of innovative treatment for patients with cardiac disease. A multidisciplinary team dedicated to heart failure and complex cardiac diseases has made UC a state-of-the-art referral center for both standard and complex cases.

The division performs the full spectrum of operative procedures in patients with cardiac and vascular diseases, including coronary revascularization, valve repair and replacement, aortic aneurysm repair, ventricular assist device implantation, and is the region’s only adult heart transplantation program.

The division offers expertise in all-arterial and off-pump coronary revascularization, minimally-invasive cardiac surgery and repair of complex thoracic aortic diseases.

The division has the region’s only comprehensive advanced heart failure program, which includes a comprehensive mechanical circulatory support program consisting of both short-term and long-term mechanical circulatory support therapy for both acute and chronic heart failure as a bridge to transplantation or as destination therapy. For acute respiratory failure, UC has an integrated ECMO (extracorporeal membrane oxygenation) program which benefits patients who would otherwise fail to survive conventional therapies.
The division also offers a unique mobile ECMO program in which patients with cardiorespiratory failure can be placed on support at a referring hospital and transferred to the UC Medical Center. In conjunction with the Department of Anesthesia, Division of Anesthesia Critical Care, the division recently launched an E(ECMO) CPR program, in which patients suffering cardiac arrest are placed emergently on ECMO to improve outcomes in certain patients.

In conjunction with the division of cardiology, we offer a joint program in advanced endovascular therapies including transcatheter aortic valve replacement (TAVR) and transcatheter mitral valve procedures.

Patients benefit from a true multidisciplinary approach to cardiovascular disease, combining surgical and medical expertise as well as the advanced technology and support services offered at UC Medical Center, leading to people not just living longer, but living better.

Pediatric Cardiac Surgery

Part of the UC department of surgery, the division of pediatric cardiothoracic surgery at Cincinnati Children's Hospital Medical Center has a high profile as a world leader in the surgical management of cardiac problems in children, including newborn corrective operations, management of the entire spectrum of congenital and acquired cardiac problems in neonates, including management of complex single ventricle cardiac anomalies, and management of infants and children with severe heart failure which includes expertise in cardiac transplantation and ventricular assist device utilization. The division also performs lung transplantation and, in partnership with the solid organ transplant program, heart/kidney transplants and heart/liver transplants are performed in patients with multi-organ failure.

Cincinnati Children’s Hospital has an active adult congenital heart disease program, caring for patients with congenital heart disease into and through adulthood.

In collaboration with the Aerodigestive Center at Cincinnati Children's Hospital Medical Center, the division has the world’s most extensive experience with complex tracheal reconstruction in infants and children. Cincinnati Children's consistently ranks among the nation's best cardiology and heart surgery programs as measured by U.S. News & World Report Best Children's Hospitals.

The division of pediatric cardiothoracic surgery maintains an active multi-investigator research lab. Research areas include: improved donor organ utilization for thoracic transplantation, novel anticoagulation and anti-inflammatory strategies for mechanical circulatory support, and prosthetic valve development.

Faculty

Adult Cardiac Surgery Faculty:

- Louis B. Louis IV, MD, FACS
  Associate Professor of Surgery
  The Louis Buckberg Endowed Chair in Cardiac Surgery
  Director, Division of Cardiac Surgery

- Antonio Panza, MD
  Professor of Surgery

- J. Michael Smith, MD
  Volunteer Professor of Surgery

- Samuel Russ Vester, MD
  Adjunct Professor of Surgery

Pediatric Cardiac Surgery Faculty:

- Carl Backer, MD
  Professor of Surgery
  Director of Cardiothoracic Surgery
  University of Kentucky

- David G. Lehenbauer, MD
  Assistant Professor of Surgery

- David Morales, MD
  Professor of Surgery and Pediatrics
  Director, Congenital Heart Surgery and Thoracic Transplantation
  Cincinnati Children’s Hospital Medical Center

- James Tweddell, MD
  Warren W. Bailey Endowed Chair
  Professor of Surgery and Pediatrics
  Director, Cardiothoracic Surgery
  Executive Co-Director, The Heart Institute
  Cincinnati Children’s Hospital Medical Center

- David S. Winlaw, MBBS, MD
  Professor of Surgery

- Farhan Zafar, MD
  Associate Professor of Surgery
The Division of Thoracic Surgery

The UC division of thoracic surgery is a leader in treating the entire spectrum of thoracic diseases including lung cancer, benign and malignant esophageal disorders, airway, mediastinal, diaphragmatic and chest wall disease. The division has the most extensive experience in minimally invasive thoracic procedures in the Tri-State region, including video-assisted thoracoscopic (VATS) and robotic lobectomy, minimally-invasive esophagectomy and robot-assisted thoracic surgery for mediastinal tumors. We also utilize sophisticated interventions for complex airway and foregut disorders.

The division specializes in the diagnosis and treatment of lung cancer, and performs the highest volume of lung cancer surgery in Cincinnati. Special attention is directed to patients who are at high risk for surgery due to underlying lung disease. The division offers a full range of lung cancer treatments from minor resections to highly complex thoracic operations. Dedicated lung cancer surgeons work in partnership with radiation oncologists, interventional pulmonologists, chest radiologists and medical oncologists to provide comprehensive lung cancer care to patients through the UC Cancer Center’s Lung Cancer Center. Through UC Health, the team launched the first and only multidisciplinary lung cancer screening program for patients at increased risk for lung cancer in 2012. Lung cancer screening with low-dose CT scans has been shown to reduce lung cancer mortality by at least 20% in those at higher risk for lung cancer. We have three dedicated coordinators to navigate patients through the screening process, an integrated smoking cessation program, and we use the expertise of our multidisciplinary lung cancer team to provide individualized care for our patients while working closely with referring physicians. We have screened over 3,000 people at high risk for lung cancer to date and were the first lung cancer screening program in the region to be recognized as a Screening Center of Excellence by the Lung Cancer Alliance.

The division offers expertise in the evaluation and treatment of esophageal cancer, with the most experienced esophageal surgeons in the region. The Esophageal Disease Center offers coordinated multidisciplinary care in which patients are seen by a team of esophageal cancer experts in one location, including thoracic surgery, surgical oncology, medical oncology, radiation oncology, gastroenterology, oncology dieticians, and social workers.

The division continues to expand its expertise in research. The group collaborates with multiple departments in the UC College of Medicine and has active research projects in molecular predictors of lung cancer recurrence, lung cancer screening with low-dose CT scans, enhanced recovery pathway in thoracic surgery, as well as clinical trials in thoracic cancers.

Faculty

Sandra L. Starnes, MD, FACS
Professor of Surgery
John B. Flege, Jr. Chair in Cardiothoracic Surgery
Chief, Section of Cardiothoracic Surgery
Director, Division of Thoracic Surgery

Dr. Starnes specializes in general thoracic surgery with a focus on lung and esophageal cancer. She has a particular expertise in treating mediastinal tumors and focuses on minimally invasive approaches to thoracic surgery. She is certified by the American Board of Surgery and the American Board of Thoracic Surgery.

Robert Van Haren, MD, MSPH
Assistant Professor of Surgery

Dr. Van Haren specializes in all aspects of general thoracic surgery including treatment of benign and malignant diseases of the esophagus, lungs, and airway. He has expertise in minimally-invasive approaches such as video-assisted thoracoscopy surgery (VATS) and robotic surgery. He is certified by the American Board of Surgery and the American Board of Thoracic Surgery.

Julian Guitron, MD
Affiliate Associate Professor of Surgery

Additional information on the section of cardiothoracic surgery can be viewed at med.uc.edu/surgery.
Surgeons in the University of Cincinnati (UC) section of colon and rectal surgery treat benign, malignant and inflammatory conditions of the colon, rectum, and anus. Patients with colorectal cancer and polyposis syndromes, inflammatory bowel disease and other colitides, rectal prolapse and fecal incontinence, hemorrhoids and other benign anorectal disorders are seen at The Christ Hospital Medical Office Building, UC Health Physician Offices in West Chester, and the Veterans Affairs Medical Center. Cutting-edge surgical techniques are offered at each of the hospitals where the colon and rectal surgeons work. Minimally invasive advanced laparoscopic, robotic, and transanal surgical procedures are available to patients with both benign and malignant diseases of the colon and rectum. Our surgeons have expertise in transanal minimally invasive surgery (TA-MIS) for large rectal polyps and early rectal cancers. Robotic surgery, which allows superior visualization of pelvic anatomy and fine dissection in the pelvis, is also offered. These minimally invasive approaches are associated with less discomfort and a quicker return to normal activity than with traditional surgical approaches, and are appropriate for patients with a wide range of diseases.

Colorectal cancer patients are treated in collaboration with medical oncology, radiation oncology, and the hepatobiliary surgeons from the UC Cancer Institute. These patients benefit from coordination of care across specialties, with surgery performed in a timely manner following neo-adjuvant treatment. Our multidisciplinary efforts to treat rectal cancer include a tumor board and clinical trials at UC Medical Center.

Patients undergoing elective abdominal operations for benign or malignant disease are placed on what is called an “enhanced recovery pathway.” This approach has many elements that are all designed to accelerate recovery following major abdominal surgery, providing patients with the ability to return to their normal level of functioning at a much quicker rate than what has previously been achieved. Specifically, use of non-opioid pain medications decreases the incidence of adverse effects experienced with conventional opioids, such as slowed bowel function and narcotic abuse and dependence. The results of this pathway have been dramatic, with significant decreases in length of hospital stay and increases in patient satisfaction scores.

The team is one of only a few groups of colorectal surgeons in the Tristate area offering the Interstim device for the treatment of fecal incontinence.
Academic pursuits of our colorectal surgeons include clinical trials, novel surgical techniques and innovative treatments for many colorectal disorders. UC colorectal research outcomes have been presented at national and international meetings.

In addition to her current advisory capacity, Dr. Rafferty is immediate past Chair of the Clinical Practice Guidelines Committee of the American Society of Colon and Rectal Surgeons, which is responsible for formulating national practice parameters for the treatment of colon and rectal disease. She also is a senior examiner for the American Board of Colorectal Surgery.

Dr. Paquette is associate editor for the journal *Diseases of the Colon and Rectum* and was awarded the Victor Fazio Award in 2019 as the top editorial board member. He is an examiner for the American Board of Colon and Rectal Surgery and serves as the vice-chair for the American Society of Colon and Rectal Surgeons Clinical Practice Guidelines Committee.

Dr. Snyder is a reviewer for the journal *Diseases of the Colon and Rectum* and serves on the Peer Review Committee for West Chester Hospital.

Dr. Thompson serves on the American Society of Colon and Rectal Surgeons’ Public Relations Committee, the UC Medical Center and The Christ Hospital (TCH) Robotic Surgery Committees, TCH Provider Enhancement Committee, and as co-chair of TCH General and Colorectal Surgery Quality and Performance Enhancement Committee.

**Faculty**

**Janice F. Rafferty, MD, FACS, FASCRS**
Professor of Surgery  
Chief, Section of Colon and Rectal Surgery  
Vice Chair for Compensation  
Carl H. and Edyth Lindner Endowed Chair in Colon and Rectal Surgery  
Director, Section of Colon and Rectal Surgery, The Christ Hospital

Dr. Rafferty specializes in coordinating the multidisciplinary care of patients with colon and rectal cancer. She also performs traditional and minimally invasive pelvic surgery, as well as surgery for benign and malignant colorectal and anorectal conditions. Dr. Rafferty is certified by the American Board of Surgery and the American Board of Colon and Rectal Surgery.

**Ian M. Paquette, MD, FACS, FASCRS**
Associate Professor of Surgery

Dr. Paquette specializes in the surgical treatment of colon and rectal cancer, complex inflammatory bowel diseases such as Crohn’s disease, ulcerative colitis, diverticulitis, and benign anorectal disease, with a special focus on laparoscopic colon surgery for benign and malignant conditions. He is certified by the American Board of Surgery and the American Board of Colon and Rectal Surgery.

**Jonathan R. Snyder, MD, FACS, FASCRS**
Associate Professor of Surgery

Dr. Snyder specializes in benign and malignant colorectal disease, providing surgical care for patients with abdominal colorectal disease as well as anorectal disease. He has a particular focus on minimally invasive abdominal surgery – through both laparoscopic and robotic approaches. He also places Interstim (sacral nerve stimulation) for the treatment of fecal incontinence in select patients. Dr. Snyder operates at the West Chester Hospital, Veterans Affairs Medical Center, The Christ Hospital, and UC Medical Center. He is certified by the American Board of Surgery and the American Board of Colon and Rectal Surgery.

**Earl V. “Tommy” Thompson, MD, FACS**
Assistant Professor of Surgery

Dr. Thompson specializes in the treatment of all benign and malignant conditions of the colon, rectum and anus, with a special interest in pelvic surgery. He has additional experience in anal dysplasia and is developing a program in high-resolution anoscopy. Dr. Thompson practices at The Christ Hospital and the UC Medical Center. He is certified by the American Board of Surgery and the American Board of Colon and Rectal Surgery.

More information about the section of colon and rectal surgery can be viewed at [med.uc.edu/surgery](http://med.uc.edu/surgery).
The Section of General Surgery includes the divisions of UC Medical Center (UCMC) general surgery, UCMC trauma surgery, UCMC acute care surgery, UCMC surgical critical care, West Chester Hospital (WCH) trauma and acute care surgery, WCH general and bariatric surgery, and trauma and critical care surgery research. The members of our section are dedicated to saving lives through compassionate care, quality education, and leading innovation.

University of Cincinnati Medical Center General Surgery

UC Health surgeons are at the forefront of advancing state-of-the-art care for general surgery conditions. The team offers care of routine and complex general surgery and bariatric conditions as well as minimally invasive surgical approaches for gastrointestinal surgical disorders. Our surgeons performed more than 2,200 major elective and urgent general surgery operations during the past year.

Our team specializes in the surgical management of a wide variety of disorders including the broad discipline of general surgery, swallowing disorders such as achalasia, gastroesophageal reflux disease (GERD), gastroparesis, and paraesophageal hernias; gallstones and gallbladder disease; abdominal wall hernias, inguinal hernias, and abdominal wall reconstruction; enterocutaneous fistula; diseases of the spleen; acute pancreatitis; diverticulitis and other colon conditions; and diseases of the adrenal gland.

Our faculty surgeons offer expertise in minimally invasive gastrointestinal surgery as well as the full range of procedures for treatment of morbid obesity. In addition, robotic-assisted operations are performed for several gastrointestinal disorders. We are the only group in the Tri-State region that is performing POEM (per-oral endoscopic myotomy) for achalasia, POP (per-oral endoscopic pyloroplasty) for gastroparesis, and Z-POEM for the management of Zenker's diverticulum. Patients are often referred to our practice by other surgeons for treatment of very complex conditions.
West Chester Hospital General and Bariatric Surgery

Our Bariatric Surgery program, in partnership with the UC Health Weight Loss Center and TRIMS, the Transplant-Related Interdisciplinary Metabolic Surgery Program, now offers weight loss solutions at both the West Chester Hospital and the University of Cincinnati Medical Center campuses. The West Chester location is recognized for excellence by the Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program (MBSAQIP), a joint program of the American College of Surgeons (ACS) and the American Society for Metabolic and Bariatric Surgery (ASMBS). Our surgeons have performed thousands of successful laparoscopic weight loss operations since its inception. Further information on our surgical weight loss program can be found by visiting http://uchealth.com/weightloss.

General surgery patients are seen at the UC Health Physicians Office Clifton and UC Health Physicians Office North in West Chester.

West Chester Hospital Trauma and Acute Care Surgery

UC Health Surgeons offer emergency care for trauma and general surgery patients at West Chester Hospital, bringing the highest level of surgical care to the Northern Cincinnati region. The West Chester trauma center opened in 2014 and earned formal verification as a Level III trauma center from the American College of Surgeons Committee on Trauma in 2015. In conjunction with our partners in Emergency Medicine, more than 900 trauma patients were cared for over the past year. The acute care surgery program at WCH continues to grow and provided care for more than 1,400 emergency surgery patients last year. Expert general and trauma surgeons are available for immediate consultation in the WCH emergency department, ICU, and inpatient floors at all times.

University of Cincinnati Medical Center Acute Care Surgery

The UCMC Acute Care Surgery team is focused on providing outstanding care patients with general surgery emergencies including diverticulitis, intestinal obstruction or perforation, appendicitis, cholecystitis, pancreatitis, intestinal bleeding, incarcerated hernias, and necrotizing soft tissue infections. Our surgical team is immediately available to provide consultation and expert surgical care around the clock. We also provide tertiary and quaternary general surgery emergency care in consultation with referring surgeons from throughout the Tri-State region through our transfer referral center (513-584-BEDS).

Brad Watkins, MD, FACS
Associate Professor of Surgery
Director of WCH General Surgery
Medical Director of Bariatric Surgery

Jason J. Schrager, MD, FACS
Associate Professor of Surgery
Director of UCMC Acute Care Surgery

D Anderson Millar, MD
Associate Professor of Surgery
Director of WCH Trauma and Acute Care Surgery
University of Cincinnati Medical Center Trauma Surgery

UC Medical Center (UCMC) serves as the Tri-State region’s only ACS-verified adult Level I Trauma Center. Our trauma center has been in continuous operation for over 25 years and provides the highest level of care for injured patients for the region and beyond. During the past year, the trauma team was activated more than 4,300 times to evaluate and care for patients at UCMC.

The highest level of trauma activation is a Trauma STAT. Upon arrival, critically injured Trauma STAT patients are met by the fully assembled trauma team, including physicians from emergency medicine and trauma surgery, specially trained shock resuscitation nurses, respiratory therapists, and physicians and nurses from the operating room and surgical intensive care unit. Immediate consultation is available from a full spectrum of experts including neurosurgeons, orthopedic surgeons, neuroradiologists, spine surgeons, facial trauma specialists, and anesthesiologists. The resuscitation and care of trauma patient is led by our trauma surgeons. We are also available at all times for trauma care consultation with referring providers from throughout the Tri-State region through our transfer referral center (513-584-BEDS). The UCMC trauma and emergency medicine team’s excellence was recognized by the first-ever “Heroes in Action Award” by the Cincinnati Business Courier in 2019.

An important component of our Level I trauma center is community education and outreach. We provide ongoing trauma prevention programs in the areas of motor vehicle crashes, older adult falls, and gun violence prevention, as well as an active EMS education program including lectures and rounding. More information is available at http://uchealth.com/trauma/injury-prevention/.

In conjunction with the American College of Surgeons, the White House, DOD, the FBI, and FEMA, we are proud to offer Stop the Bleed courses for medical and non-medical personnel in the Tri-State region. This is a national initiative to teach the public life-saving bleeding control techniques to aid individuals in a variety of situations. In 2019, we trained more than 4,000 individuals in these life-saving techniques. More information is available at http://uchealth.com/trauma/injury-prevention/ and http://www.bleedingcontrol.org/.
The UCMC SICU treats patients in 34 adult beds with more than 2,000 yearly admissions from all surgical specialties including trauma, general surgery, transplantation, surgical oncology, vascular surgery, urology, thoracic surgery, and obstetrics/gynecology. Daily multidisciplinary rounds are highly collaborative in nature, with input and discussion from all team members including critical care nurses, respiratory therapists, critical care pharmacists, and resident physicians. Subspecialty services such as nephrology, infectious disease, rehabilitation medicine, cardiology, and hematology are available for consultative assistance. Additional clinical support services in the SICU include nutrition services, nurse educators, and a dedicated SICU social worker.

We offer additional training in surgical critical care. Our one- or two-year ACGME accredited Surgical Critical Care Fellowship accepts two candidates yearly and provides training that encompasses all aspects of care of the critically ill surgical patient. Our fellowship emphasizes cardiopulmonary mechanics, principles of resuscitation, and mechanical ventilation. Our graduates have gone on to leadership positions in the areas of trauma and critical care throughout the country.

Research

Our research programs focus on the concept that early intervention after injury leads to improved patient outcomes. Our extensive research portfolio includes projects in basic science, translational science, outcomes research, education and simulation, device design and implementation, and clinical trials. The division currently oversees more than 35 active research grants, with funding from the NIH, DOD, and industry. We have strong collaborative ties with several key partners including emergency medicine, neurosurgery, the UC College of Pharmacy, Hoxworth Blood Center, the UC College of Engineering, Northwestern University, and the University of North Carolina.

C-STARS Cincinnati

The section of general surgery and UC Health are proud to host one of six national military medical trauma training centers. UC Medical Center serves as the site of the United States Air Force Center for Sustainment of Trauma and Readiness Skills (CSTARS). Cincinnati CSTARS is home to the Critical Care Air Transport Team (CCATT) advanced validation center. The Cincinnati CSTARS CCATT advanced course is attended by members of the USAF’s elite CCATT teams. These military medical personnel are responsible for the medical care and evacuation of the sickest casualties across the globe. The USAF CSTARS center serves as home base for over 20 active duty Air Force military personnel who serve as instructors and support personnel for CCATT training. Five active duty Air Force trauma surgeons participate as fully integrated partners of the section of general surgery as a part of their assigned duties at Cincinnati CSTARS.
Faculty

Krishna P. Athota, MD, FACS
Associate Professor of Surgery
Associate Director, UCMC Surgical Critical Care
Program Director, Surgical Critical Care Fellowship

Dr. Athota specializes in general and acute care surgery with special interests in gallstones and biliary disease, complex GI surgery, hernia, and diverticular disease of the colon. He is certified in surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Richard D. Branson, RRT, MS, MBA
Professor of Surgery Emeritus
Director Emeritus, Clinical Research

Mr. Branson specializes in mechanical ventilation of the patient with acute respiratory distress syndrome (ARDS), mechanical ventilation during transport, humidification of inspired gases, and evaluation of new mechanical ventilator technology.

Kenneth Davis Jr., MD, FACS
Professor of Surgery & Anesthesia

Dr. Davis specializes in general surgery and acute care surgery with special interests in surgical feeding tube access, complex gastrointestinal surgery, and peptic ulcer disease. He is certified in surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Ryan Earnest, MD
Assistant Professor of Surgery
Lieutenant Colonel, USAF MC
CSTARS Cincinnati

Dr. Earnest specializes in general surgery with special interests in general surgery, trauma surgery, and surgical critical care. He is certified in surgery by the American Board of Surgery.

Lane L. Frasier, MD
Assistant Professor of Surgery

Dr. Frasier specializes in general and acute care surgery with special interests in trauma surgery, surgical critical care, and team dynamics. She is certified in surgery by the American Board of Surgery.

Michael D. Goodman, MD, FACS
Associate Professor of Surgery
Director, General Surgery Research
Associate Director, General Surgery Residency Training Program

Dr. Goodman specializes in general and acute care surgery with special interests in complex gastrointestinal surgery, enterocutaneous fistulas, and abdominal wall reconstruction. He is certified in surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Kevin Grimes, MD, FACS
Assistant Professor of Surgery
Director, Surgery Student Education

Dr. Grimes specializes in minimally invasive gastrointestinal surgery. He has additional expertise and training in care of patients with GERD or paraesophageal hernias, as well as POEM for achalasia, POP for gastroparesis, and Z-POEM for Zenker’s diverticulum. His primary practice sites are UC Medical Center and West Chester Hospital.

Jana Hambley, MD
Assistant Professor of Surgery

Dr. Hambley specializes in general and acute care surgery with special interests in trauma surgery and surgical critical care. She is certified in surgery by the American Board of Surgery.

Dallas G. Hansen, MD, FACS
Assistant Professor of Surgery
Major, USAF MC
CSTARS Cincinnati

Dr. Hansen specializes in general surgery with special interests in gastrointestinal surgery, trauma, and acute care surgery. He is certified in surgery by the American Board of Surgery.

Christopher F. Janowak, MD
Assistant Professor of Surgery

Dr. Janowak specializes in general surgery, trauma surgery, and surgical critical care. He has a special interest and expertise in the surgical management of rib fractures. He is certified in surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.
Bobby J. (BJ) Johnson, MD  
Assistant Professor of Surgery  
Dr. Johnson specializes in minimally invasive bariatric and general surgery. His primary practice sites are UC Medical Center and the Cincinnati Veterans Affairs Medical Center.

Joshua W. Kuethe, MD  
Assistant Professor of Surgery  
Associate Director, Surgery Student Education  
Dr. Kuethe specializes in bariatric and general surgery. His primary practice sites are the Cincinnati Veterans Affairs Medical Center, UC Medical Center, and West Chester Hospital.

Amy T. Makley, MD, FACS  
Associate Professor of Surgery  
Director, UCMC Trauma Surgery  
Associate Director, General Surgery Residency Training Program  
Dr. Makley specializes in general surgery and acute care surgery with special interests in diverticular disease of the colon, hernias, and ostomy closure. She is certified in surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

D Anderson Millar, MD, FACS  
Associate Professor of Surgery  
Director, WCH Trauma and Acute Care Surgery  
Dr. Millar specializes in general surgery and acute care surgery with special interest and expertise in trauma and surgical critical care. He is certified in surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Vanessa Nomellini, MD, PhD  
Associate Professor of Surgery  
Director, Post-ICU Care  
Dr. Nomellini specializes in trauma, surgical critical care and general surgery. She is certified in surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Jason J. Schrager, MD, FACS  
Associate Professor of Surgery  
Director, UCMC Acute Care Surgery  
Dr. Schrager specializes in general and acute care surgery with special interests in gallbladder disease, ostomy closure, and abdominal wall reconstruction. He is certified in surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Kevin V. Schrand, MD  
Assistant Professor of Surgery  
Captain, USAF MC  
CSTARS Cincinnati  
Dr. Schrand specializes in general surgery, trauma surgery, and military medical education. He is certified by the American Board of Surgery.

Richard J. Strilka, MD, FACS  
Associate Professor of Surgery  
Colonel, USAF MC  
Director, CSTARS Cincinnati  
Dr. Strilka specializes in general surgery, trauma surgery, and military medical education. He is certified by the American Board of Surgery with Added Qualifications in Surgical Critical Care. Dr. Strilka is the Director of CSTARS-Cincinnati.

Mary F. Stuever, DO  
Assistant Professor of Surgery  
Major, USAF MC  
CSTARS Cincinnati  
Associate Director, UCMC Trauma Surgery  
Dr. Stuever specializes in general surgery, trauma surgery, critical care, and military medical education. She is certified by the American Board of Surgery.
Jonathan R. Thompson, MD, FACS  
Assistant Professor of Surgery  
Dr. Thompson specializes in general surgery with special interest and expertise in bariatric surgery and advanced laparoscopy. He is certified by the American Board of Surgery and is a member of the American Society for Metabolic and Bariatric Surgery.

Betty J. Tsuei, MD, FACS, FCCM  
Professor of Surgery  
Director, UCMC Surgical Critical Care  
Dr. Tsuei specializes in trauma and surgical critical care and the care of injured and critically ill adult patients, with interests in ARDS, sepsis, multi-system organ failure, ventilator mechanics, and surgical education. She is certified in general surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Brad Watkins, MD, FACS  
Associate Professor of Surgery  
Director, WCH General Surgery  
Medical Director of Bariatric Surgery  
Dr. Watkins specializes in bariatric surgery and advanced laparoscopy. He is certified in surgery by the American Board of Surgery and is a member of the American Society for Metabolic and Bariatric Surgery.

Christina P. Williams, MD  
Assistant Professor of Surgery  
Dr. Williams specializes in general surgery with special interest and expertise in critical care medicine, acute care surgery, and global surgery. She is certified in surgery by the American Board of Surgery.

Advanced Practice Providers  
Ashley Agnew, CNP  
Olivia Gordon, CNP  
Ariel Kappa, CNP  
Amber Lanich, CNP  
Elizabeth Linz, CNP  
Chandra Rhodes, CNP  
Nicholas Rittle, PA-C  
Jessica Straus, CNP  
Sara Tompkins, CNP  
Shaleen Williams, CNP

Further information on the section of general surgery can be found at med.uc.edu/surgery.
The University of Cincinnati section of oral and maxillofacial surgery is a center for evaluation, diagnosis, prevention and treatment of diseases, disorders and conditions of the oral cavity, maxillofacial area, and the adjacent and associated structures. Through UC Health, the section offers services that include correction of dental facial deformities, treatment of maxillofacial pathology, as well as comprehensive care for maxillofacial trauma victims. The section's practice at the UC Health Physician’s Office in Clifton, West Chester and UC Health Holmes Hospital treats patients with dental facial deformities, trauma, dental implant needs, reconstructive jaw surgery, temporomandibular joint surgery, impacted teeth, and head and neck tumors. Pediatric maxillofacial surgical services are provided through Cincinnati Children’s hospital. The service also treats patients at the Veterans Affairs Medical Center in Cincinnati.

All locations contain surgical suites equipped with ambulatory anesthesia services and new digital imaging capabilities.

**Faculty**

**Deepak G. Krishnan, DDS, FACS**
Associate Professor of Clinical Surgery
Chief, Section of Oral and Maxillofacial Surgery
deevakrishnan@uc.edu
513-584-2586

Dr. Krishnan specializes in surgical correction of facial deformities, surgery of temporomandibular joint, facial trauma, pediatric maxillofacial surgery, oral and maxillofacial implantology, dento-alveolar surgery, benign maxillofacial pathology and reconstructive surgery. He is certified by the American Board of Oral and Maxillofacial Surgery and is a Fellow of the American College of Surgeons.

**Michael J. Grau, Jr., DMD**
Assistant Professor of Clinical Surgery
Director, Residency Program in Oral and Maxillofacial Surgery

Dr. Grau, a Cincinnati native, is a recent addition to University of Cincinnati Oral and Maxillofacial Surgery. He received his Doctorate of Dental Medicine from the University of Louisville after completion of undergraduate studies at Ohio University. A Board certified Oral and Maxillofacial Surgeon, Dr. Grau received his advanced training in OMS at the University of Cin-
The Section of Oral and Maxillofacial Surgery  |  Page 59

cincinnati. Following residency Dr. Grau served eight years of active duty in the United States Navy achieving the rank of Commander before receiving an Honorable discharge. While on active duty he served in diverse roles including department head aboard USS George Washington CVN-73 and Assistant Residency Program Director of Oral and Maxillofacial Surgery at Naval Medical Center San Diego. Dr. Grau enjoys practicing a broad scope of OMS with a special interest in implantology, trauma and reconstruction.

Hether Khosa, DDS
Clinical Instructor

Dr. Khosa joined our faculty following her training at University of Maryland’s Oral and Maxillofacial Surgery residency program and the Adams Cowley Shock Trauma Center. She has a particular interest in management of facial trauma and brings skills such as TMJ arthroscopy and complex dental implant surgery.

Wallace S. McLaurin, DMD
Clinical Instructor

Trained at UC Medical Center, Dr. McLaurin’s clinical interests include pediatric maxillofacial surgery, ambulatory anesthesia, dento-alveolar surgery, facial trauma and reconstructive surgery, dental implant and grafting surgery, as well as orthognathic surgery. He is a member of the Craniofacial Anomalies team at Cincinnati Children’s Hospital Medical Center.

James A. Phero, Jr., DDS, MD
Clinical Instructor

A Cincinnati native, Dr. Phero returns home after spending the last 10 years in Chapel Hill, North Carolina, where he attended Dental and Medical Schools at the University of North Carolina, Chapel Hill, and obtained his OMS training focused on orthognathic surgery, TMJ surgery and management of benign maxillofacial pathology.

Volunteer Faculty:
Jimmie Harper, DDS
Randall Stastry, DMD
Babak Emami, DMD
Krishnamurthy Bonanthaya, MBBS, MDS, FDSRCS, FFDRCS (Oro-facial Pain and Temporomandibular Joint Disorders)
Gary Robins, DMD

Orthodontic Faculty:
Richard E. Campbell, DMD, MS – Cincinnati Children’s Hospital Medical Center
Alexander Cassinelli, DMD
Martin Fitz, DDS
Raj Kulkarni, DMD
Shiva Shanker, DDS

Emeriti Faculty:
Dan J. Crocker, DDS
Robert Horton, DDS
Robert D. Marciani, DMD

Additional information on the section of oral and maxillofacial surgery can be viewed at med.uc.edu/surgery.
The Affiliate Section of Pediatric Surgery

The University of Cincinnati affiliate section of pediatric surgery offers innovative treatment for childhood and adolescent injuries and diseases, including in-utero fetal procedures, solid organ and small-bowel transplants, total pancreatectomy and islet autotransplantation, and bariatric surgery. Faculty in the affiliate section of pediatric surgery see patients at the Cincinnati Children’s Hospital Medical Center (CCHMC), a nationally and internationally recognized leader in the treatment and research of pediatric and adolescent diseases. The institution draws patients from all 50 states and over 40 countries each year and is the only Level I pediatric trauma center in southwestern Ohio, northern Kentucky, and southeastern Indiana.

Minimally invasive surgery is routinely performed and includes procedures for congenital anomalies, Hirschsprung’s disease, imperforate anus, inflammatory bowel disease, anti-reflux surgery, and lung resections.

The CCHMC Solid Organ Transplant program is recognized as one of the premier pediatric liver and kidney transplant programs in the world, having transplanted over 650 and 600 liver and kidney transplant recipients, respectively.

The CCHMC Comprehensive Weight Management Program provides clinical evaluation of significantly overweight children, emphasizing behavioral approaches to modify eating habits and physical activities. The Bariatric Surgery Center provides minimally invasive and open surgical options to achieve weight loss in severely obese adolescents who have been unsuccessful with other approaches.
The CCHMC Chest Wall Deformity Center of Cincinnati provides clinical evaluation of children and adults, as well as minimally invasive surgery (Nuss procedure) for pectus excavatum patients. Cincinnati Children's Hospital is one of the leading hospitals in the country to offer a non-surgical method to correct pectus carinatum.

The affiliate section of pediatric surgery continues to draw tremendous research funding from both intramural and extramural agencies. Several state and local grants fund injury prevention and trauma research programs. The annual extramural research funding for the section exceeds $2 million per year with seven investigators receiving NIH funding.

These unique capabilities have made the Pediatric Surgery Residency Training Program one of the top three programs in North America for pediatric surgeons.

Faculty

**Daniel von Allmen, MD, FACS**  
Professor of Surgery and Pediatrics  
Lester Martin Chair of Pediatric Surgery  
Surgeon-in-Chief, Cincinnati Children's Hospital Medical Center

Dr. von Allmen specializes in pediatric surgical oncology, pediatric inflammatory bowel disease, surgical innovation, surgical robotics, and quality improvement. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

**Gregory M. Tiao, MD, FACS**  
Professor of Surgery  
Frederick C. Ryckman Chair of Pediatric Surgery  
Division Director, Pediatric General & Thoracic Surgery  
Surgical Director, Pediatric Liver Transplantation Program  
Director, Pediatric Surgery Fellowship

Dr. Tiao specializes in liver, kidney and small bowel transplantation, hepatobiliary disease, neonatal surgery, biliary atresia, and minimally invasive surgery. His NIH-funded laboratory investigates the mechanisms of biliary atresia formation. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

**Maria H. Alonso, MD**  
Associate Professor of Surgery and Pediatrics  
Co-Director, Pediatric Renal Transplantation  
Associate Surgical Director, Pediatric Liver Transplantation

Dr. Alonso specializes in liver and kidney transplantation, hepatobiliary surgery, and minimally invasive surgery. She is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery and Surgical Critical Care.

**Balamurugan Appakalai, PhD**  
Professor

Dr. Appakalai specializes in islet isolation chronic pancreatitis. His laboratory works in conjunction with the total pancreatectomy islet autotransplant program to isolate islet cells from the pancreas.

**Alex Bondoc, MD**  
Assistant Professor of Surgery

Dr. Bondoc specializes in liver and kidney transplantation, hepatobiliary surgery, and minimally invasive surgery. His research effort is focused on the pathophysiology of hepatoblastoma and he received a recent award from the AASLD. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

**Rebeccah L. Brown, MD**  
Professor of Clinical Surgery and Pediatrics  
Associate Director, Pediatric Trauma Service

Dr. Brown specializes in general pediatric surgery, trauma, injury prevention, chest wall deformities and minimally invasive surgery. She is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

**A. Roshni Dasgupta, MD**  
Professor of Surgery

Dr. Dasgupta specializes in pediatric surgical oncology, hemangiomas and vascular malformations, and NSQIP quality improvement. She is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

**Aaron P. Garrison, MD**  
Assistant Professor of Surgery  
Associate Director, Pediatric Surgery Residency Program

Dr. Garrison specializes in pediatric colorectal, foregut and chest wall disease. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.
Richard A. Falcone, Jr., MD  
Professor of Surgery  
Director, Pediatric Trauma Service  
Associate Chief of Staff, Surgical Services  

Dr. Falcone specializes in pediatric trauma, colorectal disorders, inflammatory bowel disease, and minimally invasive surgery including laparoscopy, ECMO, neonatal surgery, and surgical oncology. His research interests include health disparities in pediatric injury, trauma education through simulation, anorectal malformations, and injury prevention. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Jason S. Frischer, MD  
Professor of Surgery and Pediatrics  
Director, Alberto Pena Colorectal Center  
Director, Extracorporeal Membrane Oxygenation (ECMO) Program  

Dr. Frischer specializes in congenital anorectal malformations, minimally invasive surgery, inflammatory bowel disease, and neonatal critical care. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Victor F. Garcia, MD, FACS  
Professor of Surgery and Pediatrics  
Director Chest Wall Deformities Center  
Founding Director, Pediatric Trauma Services  

Dr. Garcia specializes in pediatric trauma, injury prevention, chest wall deformity, minimally invasive surgery, surgical weight loss, and minority health care. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery and Surgical Critical Care.

Michael A. Helmrath, MD, FACS  
Professor of Surgery  
Richard and Geralyn Azizkhan Chair of Pediatric Surgery  
Director of Surgical Research  
Surgical Director, Intestinal Rehabilitation Center  

Dr. Helmrath specializes in short bowel syndrome. His primary research interests are in intestinal stem cells and organoids with a clinical research effort focused on morbid obesity. He has multiple grants from the NIH and leads the CUSTOM effort at CCHMC in which organoids based translational research is being converted into direct patient care. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Todd Jenkins, PhD  
Associate Professor  

Dr. Jenkins serves as the deputy director of the Teen Longitudinal Assessment of Bariatric Surgery (Teen-LABS) Data Coordinator Center (DCC), funded by NIH-NIDDK since 2006. The DCC provides data management and statistical expertise, as well as administrative support to the Teen-LABS consortium and ancillary investigations. Dr. Jenkins also serves as the associate director of the Center for Bariatric Research and Innovation.

Meera Kotagal, MD  
Assistant Professor  
Director, Pediatric Surgery Global Health Program  

Dr. Kotagal specializes in pediatric surgical oncology and neonatal surgery. Her research focus is global health and she has established a global outreach effort in Uganda. Additionally, she is conducting research on trauma outcomes within the local pediatric population. She is certified by the American Board of Surgery with Added Qualifications in Pediatric Surgery.

Foong-Y en Lim, MD  
Professor of Surgery  
Surgical Director, Fetal Care Center of Cincinnati  

Dr. Lim specializes in fetal and neonatal surgery, lung malformations, diaphragmatic hernia, neonatal tumors, minimally invasive surgery, and ECMO. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Sujit Mohanty, PhD  
Research Assistant Professor  

Dr. Mohanty studies the mechanism of cholangiocyte development and neonatal liver fibrosis in collaboration with Dr. Tiao's NIH-funded grant to understand the pathogenesis of virus-induced biliary atresia.

Bhargava Mullapudi, MD  
Assistant Professor  

Dr. Mullapudi specializes in liver, kidney, and small bowel transplantation and general pediatric surgery. He also has a special focus in advanced minimally invasive surgery, bariatric surgery, and clinical outcomes research. He is certified by the American Board of Surgery and American Society of Transplant Surgery.
Jaimie D. Nathan, MD
Associate Professor of Surgery and Pediatrics
Surgical Director, Intestinal Transplant Program
Surgical Director, Kidney Transplant Program
Surgical Director, Pancreas Care Center

Dr. Nathan specializes in hepatobiliary and pancreatic disease; liver, kidney, and intestinal transplantation; neonatal surgery and minimally invasive surgery. He has established a unique total pancreatectomy islet autotransplant program for children afflicted with chronic pancreatitis. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Marc Oria Alonso, PhD
Research Instructor

Dr. Oria studies in-utero therapies for spina bifida in collaboration with Dr. Peiro’s NIH-funded grant. He also studies the causes and mechanisms of cell differentiation in hydrocephalus.

Jose L. Peiro, MD
Professor of Surgery
Cincinnati Fetal Center Director – Endoscopic Fetal Surgery

Dr. Peiro specializes in fetal surgical procedures including the treatment of myelomeningocele and diaphragmatic hernia. He has developed innovative minimally invasive fetal procedures and directs a laboratory effort examining fetal neural and pulmonary development, as well as new potential fetal therapies. His R01 focuses on the development of a smart patch for in utero treatment of myelomeningocele.

Todd Ponsky, MD
Professor of Surgery

Dr. Ponsky specializes in minimally invasive surgery, surgical innovation, and quality improvement. He is a pioneer in education, establishing the Globalcast Education Enterprise, an internet-based platform to advance the care of children around the world. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Beth Rymeski, DO
Assistant Professor of Surgery

Dr. Rymeski specializes in fetal and colorectal surgery. She is currently conducting research on treatment algorithms for both ovarian neoplasms and pilonidal cysts. She is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Soona Shin, PhD
Assistant Professor

Dr. Shin specializes in liver cancer and liver stem cell research. She was recently awarded an R37 grant from the NIH focused on progenitor cells and the development of HCC.

Nikolai Timchenko, PhD
Professor
Leader of Liver Tumor Program

Dr. Timchenko specializes in liver biology. His work investigates mechanisms of liver cancer, liver proliferation after surgical resections, and non-alcoholic fatty liver disease.

Additional information on the affiliate section of pediatric surgery can be viewed at med.uc.edu/surgery.
The section of plastic, reconstructive and hand surgery/burn surgery is composed of three affiliated institutions of our Academic Medical Center: Cincinnati Children’s Hospital Medical Center, Shriners Hospital for Children - Cincinnati, and the University of Cincinnati (UC) Medical Center. Collaboration among our group members has been a defining strength of academic plastic surgery at the University of Cincinnati since the group was founded by Dr. Henry W. Neale in 1978.

**W. John Kitzmiller, MD**
Professor of Surgery
Chief, Section of Plastic, Reconstructive and Hand Surgery/Burn Surgery
Director, Division of Plastic and Reconstructive Surgery
John.Kitzmiller@uc.edu
513-558-4363

**Cincinnati Children’s Hospital Medical Center**

The world-renowned group at Cincinnati Children’s Hospital includes a dynamic basic and translational research group. Ongoing work on bone engineering from adipose-derived stem cells and on minimally invasive craniofacial surgery has been presented at both national and international plastic surgery meetings.

**Faculty:**

**Haithem Elhadi-Babiker, MD**
Assistant Professor of Surgery
Cincinnati Children’s Hospital Medical Center

Dr. Elhadi specializes in pediatric obstructive sleep apnea syndrome and complex upper airway problems. He is certified by the American Board of Plastic Surgery.

**Brian S. Pan, MD**
Associate Professor of Surgery
Division Chief, Cincinnati Children’s Hospital Medical Center

Dr. Pan’s practice focuses on craniofacial pediatric plastic surgery. He is certified by the American Board of Plastic Surgery.

**Ann Schwentker, MD**
Associate Professor of Surgery
Director, Plastic Surgery Residency Program
Dr. Schwentker’s practice focuses on pediatric plastic surgery, with an emphasis on brachial plexus reconstruction and ear reconstruction. She is certified by the American Board of Plastic Surgery.

Raquel Ulma, MD, DDS
Assistant Professor of Surgery
Cincinnati Children’s Hospital, Plastic Surgery

Dr. Ulma specializes in pediatric craniofacial surgery

Shriners Hospital for Children - Cincinnati

Shriners Hospital for Children - Cincinnati is dedicated to providing world-class care, education and research for pediatric burn patients. The mission has broadened to include care for other challenging pediatric plastic surgery problems.

Faculty:

Petra Warner, MD
Associate Professor of Surgery
Chief of Staff, Shriners Hospitals for Children - Cincinnati

Dr. Warner specializes in burn treatment and reconstruction. She is certified by the American Board of Surgery with a Certificate in Critical Care.

University of Cincinnati Medical Center

UC Medical Center’s division of plastic surgery is a crucial component of our Level I Trauma Center and the Barrett Cancer Center. The division also continues its collaborative effort with the UC Health Drake Center, Cincinnati’s primary rehabilitative center for complex wound care.

The faculty of the division of plastic surgery are an integral component of the Women’s Center on the campus of West Chester Hospital. Body contouring after weight loss and the full line of aesthetic services are provided there as well.

Faculty:

W. John Kitzmiller, MD
Professor of Surgery
Chief, Section of Plastic, Reconstructive and Hand Surgery/Burn Surgery
Director, Division of Plastic and Reconstructive Surgery

Dr. Kitzmiller’s broad practice includes complex reconstructive surgery as well as cosmetic surgery of the face and body. He is certified by the American Board of Plastic Surgery with certificate of added qualification in surgery of the hand.

Elizabeth L. Dale, MD
Assistant Professor of Surgery
Director, UCMC Burn Unit

Dr. Dale specializes in acute and reconstructive burn surgery as well as microsurgery and breast reconstruction. Her research interests include improving burn scar outcomes and sensate breast reconstruction. She is certified by the American Board of Surgery.

Ryan M. Gobble, MD
Assistant Professor of Surgery

Dr. Gobble specializes in facial and breast reconstructive surgery as well as cosmetic surgery of the face and body. He has research interests in improving outcomes after reconstructive and cosmetic breast implant surgery. Dr. Gobble is certified by the American Board of Plastic Surgery.
David M. Megee, MD  
Assistant Professor of Surgery  
Dr. Megee specializes in plastic surgery with an emphasis on hand and peripheral nerve surgery. He is certified by the American Board of Plastic Surgery, with a Subspecialty Certificate in Surgery of the Hand.

Julia Ciccocioppi Slater, MD  
Assistant Professor of Surgery  
Dr. Slater specializes in plastic surgery with an emphasis on burn surgery and wound care. She is Fellowship trained in Burn Surgery and certified by the American Board of Surgery.

Amy C. Kite, MD  
Assistant Professor of Surgery  
Dr. Kite specializes in plastic surgery and is Fellowship trained in Hand Surgery.

Research Faculty:  
George F. Babcock, PhD  
Professor of Surgery Emeritus  
Adjunct Associate Professor of Pathology  
Dr. Babcock's research interest is in the immunologic consequences of burns, infectious disease, and transplantation, including the role of neutrophil and macrophage adhesion in host defense.

Samantha A. Brugman, PhD  
Assistant Professor, Plastic Surgery Research Faculty  
Cincinnati Children's Hospital Medical Center  
Dr. Brugman's research focuses on craniofacial development.

Rulang Jiang, PhD  
Professor, Developmental Biology  
Cincinnati Children's Hospital Medical Center  
Dr. Jiang specializes in molecular developmental biology, and interfaces between the divisions of plastic surgery and developmental biology.

Yu Lan, PhD  
Associate Professor, Plastic Surgery Research Faculty  
Cincinnati Children's Hospital Medical Center  
Dr. Lan's research centers on the molecular mechanisms behind craniofacial development.

Dorothy M. Supp, PhD  
Adjunct Research Associate Professor  
Research Scientist, Shriners Hospitals for Children - Cincinnati  
Dr. Supp's research focuses on genetic engineering of cultured skin substitutes.

Volunteer Clinical Faculty:  
Christopher B. Gordon, MD  
Clinical Instructor of Surgery  
Shriners Hospitals for Children - Cincinnati

Allison E. Lied, MD  
Clinical Instructor of Surgery  
Shriners Hospitals for Children - Cincinnati

Kurtis W. Martin, MD  
Clinical Instructor of Surgery  
Private Practice

Binh Nguyen, MD  
Clinical Instructor of Surgery  
Private Practice

Scott J. Rapp, MD  
Clinical Instructor of Surgery  
Shriners Hospitals for Children - Cincinnati

Kevin A. Shumrick, MD  
Clinical Instructor of Plastic Surgery  
Private Practice

Additional information on the section of plastic surgery can be viewed at [med.uc.edu/surgery](http://med.uc.edu/surgery).
The Section of Surgical Oncology

The section of surgical oncology delivers compassionate state-of-the-art care to patients with cancer and allied diseases, and has the distinction of offering clinical programs that draw patient referrals from across the United States, particularly in the Midwest. Our nationally known physicians are all board certified in general surgery and have supplemental fellowship training in cancer surgery. Recognized by Best Doctors in America, as well as by the journals Cincinnati and Cincy Magazine as top doctors in Cincinnati, our physicians and staff provide an outstanding level of care and work closely with other medical disciplines.

Clinical and basic science research by the section’s faculty and interdisciplinary collaborations with other researchers in the surgery department and the UC College of Medicine have gained national attention. Patients are offered state-of-the-art treatment protocols and access to innovative clinical trials as part of the UC Cancer Institute.

The section of surgical oncology is headquartered at the University of Cincinnati Cancer Center, a comprehensive cancer treatment center accredited by the American College of Surgeons. The majority of operative procedures are performed at University of Cincinnati Medical Center, UC Health West Chester Hospital and The Christ Hospital. The section also provides physician staffing at the UC Health Physicians Office North and Women’s Health Center on our West Chester campus in order to meet the needs for surgical oncology services in northern Cincinnati suburbs.

The University of Cincinnati has formed a strategic partnership with Cincinnati Children’s Hospital Medical Center and UC Medical Center to establish the Cincinnati Cancer Center (CCC), a joint cancer center that will coordinate oncology care from childhood to adulthood in southern Ohio and beyond. By leveraging the individual cancer strengths of each institution, the CCC will be able to provide innovative multidisciplinary cancer research and highly specialized patient care for children and adults in our region. Together, the CCC will be able to advance care faster, especially for those with complex disease. The vision of the CCC is to create a world class cancer center leading in innovation to eliminate cancer, with a goal of achieving the highly prestigious National Cancer Institute designation.

The surgical oncology section offers:

- Surgical care for benign and malignant diseases of the thyroid, parathyroid, adrenal glands and pancreas. Dr. Tammy Holm is the only specialty trained endocrine surgeon in Cincinnati.
• Leading-edge therapy for esophageal, colorectal, small bowel and gastric tumors.
• Personalized therapy for primary and recurrent cancers involving the liver, colon, and peritoneum.
• One of the highest volume pancreas surgery practices in the nation.
• Advanced surgical treatments for melanoma, sarcoma and other serious skin and soft tissue malignancies, including being the only site for isolated hyperthermic limb infusion procedures in the Greater Cincinnati area.
• Techniques such as hyperthermic intraperitoneal chemotherapy (HIPEC) for the treatment of primary and metastatic peritoneal malignancies and carcinomatosis. We are the highest volume center in Cincinnati for HIPEC.
• Participation in UC Cancer Institute multidisciplinary pancreas, liver, and esophageal disease centers where patients can be seen by physicians from multiple specialties all in one office visit to help quickly begin an optimally sequenced treatment plan without repetitive testing.
• One of the few national sites performing total pancreatectomy and islet cell transplantation for chronic pancreatitis. We have one of the largest experiences in the world with this procedure.
• Surgical resection of the breast can be coordinated with immediate reconstruction by our plastic surgeons, should the patient be eligible from a cancer and reconstructive perspective.
• Discussions of complex patient treatment plans at tumor board conferences for all major cancer types.
• Minimally invasive cancer surgery approaches for the pancreas, liver, esophagus, stomach, spleen, adrenal gland and colon.
• Robotic surgery for liver, pancreas, stomach, and esophageal diseases.

Faculty

Syed A. Ahmad, MD, FACS
Professor of Surgery
Chief, Section of Surgical Oncology
Vice Chair for Faculty Development
The Hayden Family Endowed Chair for Cancer Research
Co-Director University of Cincinnati Cancer Center

Dr. Ahmad specializes in the treatment of patients with gastrointestinal, pancreatic and liver cancer. He is certified by the American Board of Surgery and fellowship trained in Surgical Oncology.

Tammy M. Holm, MD, PhD, FACS
Assistant Professor of Surgery
Assistant Professor of Cancer Biology

Dr. Holm specializes in treating patients with thyroid, parathyroid, and adrenal disease. She is certified by the American Board of Surgery and fellowship trained in Endocrine Surgery.

Jaime D. Lewis, MD, FACS
Associate Professor of Surgery
Career Advisor, Office of Student Affairs

Dr. Lewis specializes in the treatment of benign and malignant breast diseases. She also has a particular interest in high-risk genetic conditions that predispose to the development of breast cancer and preserving fertility for female cancer patients. She is certified by the American Board of Surgery and fellowship trained in Breast Oncology.

Sameer H. Patel, MD, FACS
Assistant Professor of Surgery

Dr. Patel specializes in all aspects of surgical oncology. He is certified by the American Board of Surgery, fellowship trained and Board Certified in Surgical Oncology as well as by the American Board of Medical Quality.

Chantal Reyna, MD, FACS
Associate Professor of Surgery

Dr. Reyna specializes in the treatment of breast disease, from benign disease to high risk lesions to malignancy. She has particular interest in axillary management. She is certified by the American Board of Surgery and fellowship trained in Breast Surgical Oncology.

Elizabeth A. Shaughnessy, MD, PhD, FACS
Professor of Surgery
Vice Chair for Patient Experience

Dr. Shaughnessy specializes in the treatment of benign and malignant breast diseases, as well as those at high risk for breast cancer development who desire risk reduction surgery. She is certified by the American Board of Surgery and fellowship trained in Surgical Oncology.

Jeffrey J. Sussman, MD, FACS
Christian R. Holmes Professor of Surgery
Interim Chair, Department of Surgery
Director, Residency Program in General Surgery
Vice Chair for Education

Dr. Sussman specializes in treatment of melanoma, sarcoma, complex gastrointestinal cancers, pancreas cancers, and peritoneal surface malignancies. He is certified by the American Board of Surgery and fellowship trained in Surgical Oncology.

Gregory C. Wilson, MD
Assistant Professor of Surgery

Dr. Wilson specializes in pancreatic and hepatobiliary surgery, with expertise in minimally invasive and robotic surgery. He is certified by the American Board of Surgery and fellowship trained in Surgical Oncology.

Additional information on the section of surgical oncology can be viewed at med.uc.edu/surgery.
The Section of Transplantation

The section of transplantation provides kidney, pancreas and liver transplantation, as well as a variety of non-transplant surgical services. Our surgeons have special expertise in laparoscopic nephrectomy, laparoscopic and open hepatobiliary surgery, immunosuppressive drug development, corticosteroid elimination, robotic-assisted surgery, dialysis access surgery, and active kidney exchange programs. The section performs over 220 kidney transplants and approximately 135 liver transplants per year.

Beyond an active clinic program, the section has active research programs in many diverse areas. The Cincinnati Research in Outcomes and Safety in Surgery (CROSS) was established in 2012 and has studied disparities in care, utilization and practice paradigms in tertiary surgery and comparative effectiveness. The group also has an active and large program around metabolic surgery in end organ failure and has published landmark results in this area, providing access to obese patients needing transplantation. The section has a very active research program that has pioneered the use of plasma cell targeted therapy for desensitization in highly sensitized transplant recipients and for the treatment of antibody mediated rejection. Our research program has also successfully conducted the first multicenter trial of steroid and calcineurin inhibitor free immunosuppression (BEST Trial). New research programs in education and transplant coordination have also begun in the section.

The section provides leadership to the Israel Penn Center for Transplant Oncology, the largest and most comprehensive transplant tumor registry in the world, and has made a permanent commitment to preserve the function of the IPCTO by hiring and supporting faculty whose academic careers support IPCTO-related objectives.
Liver Transplantation and Hepatobiliary Surgery

The section has excelled in the area of surgery for benign and malignant tumors of the pancreas, liver and biliary tree, having performed over 1,000 advanced hepatobiliary surgical procedures. The section is a world leader in experience performing laparoscopic liver resections and has hosted several training courses. The Liver Transplant Program provides multidisciplinary, specialized patient-centered care for end-stage liver disease (ESLD). Our historic program has focused on innovation, expert clinical care and research over the past 20 years.

The section recently developed a program in transplant outcomes research. A number of research projects are currently ongoing, including a study of utilization and cost-effectiveness in liver transplantation and an innovative program in telehealth and smart technology. The section has published the largest series of HCV positive transplants in seronegative recipients in the world. A living donor liver transplant program has been established as well this year.

Kidney and Pancreas Transplantation

The section has grown by 10% in the last two years and continues to innovate with living donor nephrectomies, immunosuppressive drug development, and use of HCV positive transplants in seronegative patients. Simultaneous kidney-pancreas, pancreas after kidney, and solitary pancreas transplants are performed by section faculty. The section has also developed a dedicated Sensitized Patient Clinic for potential kidney transplant patients who are highly sensitized to HLA antigens. This is one of a very small number of such dedicated clinics in the United States and offers kidney exchange as both clinical and research-based desensitization.

Faculty

Shimul A. Shah, MD, MHCM
Professor of Surgery
James and Catherine Orr Endowed Chair in Liver Transplantation
Chief, Section of Solid Organ Transplantation, Department of Surgery
Vice Chair for Health Services Research

Dr. Shah specializes in solid-organ (liver, pancreatic, and kidney) transplantation, hepatobiliary surgery and laparoscopic surgery. He has a strong research interest in the epidemiology of liver cancer and outcomes-based research. He is certified by the American Board of Surgery.

E. Steve Woodle, MD
Professor of Surgery
William A. Altemeier Chair in Surgery
Director, Solid Organ Transplantation, UC Health
Director, Israel Penn Center for Transplant Oncology

Dr. Woodle specializes in solid-organ transplantation with a focus on living donor kidney transplantation. His research efforts include clinical and translational research focused on plasma cell targeted therapies for antibody mediated rejection and desensitization, simultaneous calcineurin inhibitor avoidance/early steroid withdrawal, T cell receptor-mediated immune modulation, and effector memory T cell therapies. He is certified by the American Board of Surgery.

Madison Cuffy, MD, MBA
Associate Professor of Surgery
Director, Kidney Transplantation, The Christ Hospital
Vice Chair for Diversity, Equity, Inclusion

Dr. Cuffy specializes in solid-organ (pancreatic, liver, and kidney) transplantation and hepatobiliary surgery. He has an active program in dialysis access and focuses his efforts in disparities in care. He is certified by the American Board of Surgery.
R. Cutler Quillin, III, MD  
Assistant Professor of Surgery

Dr. Quillin specializes in solid organ (pancreatic, liver, and kidney) transplantation, hepatobiliary surgery and laparoscopic surgery. His research is focused on educational simulation and understanding competency in surgical technique. He is certified by the American Board of Surgery.

Latifa A. Sage Silski, MD  
Assistant Professor of Surgery

Dr. Silski specializes in solid organ (pancreatic, liver, and kidney) transplantation, hepatobiliary and laparoscopic surgery, and dialysis access surgery. She is certified by the American Board of Surgery.

Nicole S. Ejaz, PharmD  
Research Assistant Professor

Dr. Ejaz is currently serving on the Board of Directors for the IPITTR. Her individual research efforts focus specifically on antihumoral therapy.

Alin L. Girnita, MD, D-ABHI  
Associate Professor of Surgery  
Director of Transplantation Immunology Division

Adale Rike Shields, PharmD  
Research Associate Professor  
Clinical Transplant Pharmacist at Christ Hospital

Dr. Shields is supervisor of kidney transplant clinical trials at Christ Hospital. She also has research interests in cardiovascular disease following kidney transplantation.

Simon Tremblay, PharmD, PhD  
Assistant Professor of Surgery

Dr. Tremblay oversees all anti-humoral therapy trials and provides statistical and epidemiologic support for transplant clinical research.

Additional information on the section of transplantation can be viewed at med.uc.edu/surgery.
The University of Cincinnati section of urology has repeatedly been ranked among the top 50 urology programs in the United States by U.S. News & World Report. The section is a national leader in state-of-the-art treatments for all urologic cancers and general urologic conditions, as well as the full range of female urology (pelvic floor medicine and reconstructive surgery) conditions, pediatric urology, sexual dysfunction, and urologic trauma. Additionally, UC Urology is currently involved in multiple clinical trials evaluating new therapies for prostate cancer and renal cell carcinoma as part of the University of Cincinnati Cancer Institute (UCCI).

Working closely with the Department of Radiology in the area of MRI prostate imaging, we have established a specialized program in MRI-targeted, ultrasound (US) guided prostate biopsy which increases the accuracy and efficiency of the diagnosis of prostate cancer. Targets identified by MRI are marked on saved images and used as an overlay provided by the image fusion technology known as Artemis during US-guided biopsy procedures. We have also established a program for using MRI of the prostate in managing nonaggressive prostate cancer with Active Surveillance. Men with low-grade prostate cancer can postpone or avoid prostate surgery or radiation, but be monitored and treated should the prostate cancer progress in volume or pathologic grade. Active Surveillance is the first line of management discussed in appropriate cases.

In the area of prostate cancer management, our uro-oncology team has introduced the most up-to-date procedures in focal therapy, including cryotherapy and high-intensity focused ultrasound (HIFU). Dr. Abhinav Sidana now sits on the World Panel in Focal Therapy for prostate cancer.

In addition to these innovations in diagnosis and treatment, the section provides a full range of treatments for urologic cancers including prostate, kidney, bladder, and male genital organs.

Dr. Ayman Mahdy, a fellowship-trained specialist in female pelvic medicine and reconstructive surgery, continues to provide advanced management in the areas of voiding dysfunction for both men and women, neurogenic bladder, and genitourinary
reconstruction. Dr. Mahdy also offers the most advanced treatment options (including non-invasive and minimally invasive) for voiding dysfunction, neurogenic bladder and other female pelvic floor disorders.

The Division of Urology established a multidisciplinary prostate cancer specialty clinic in which several disciplines including urology, radiation oncology, radiology, and pathology share in the evaluation of men with prostate cancer and guidance in choice of management, including:

- **Urology** – Active surveillance, focal prostate cancer ablation using either cryotherapy or high intensity ultrasound combined with MRI targeting, robot-assisted laparoscopic prostatectomy.

- **Radiation Oncology** – Radiation therapy including brachytherapy, external beam radiation therapy, and proton beam radiation therapy.

Dr. Courtney Plattner specializes in open and minimally invasive surgeries of the urologic patient. She has been appointed Director of UC Urology Residency Program and continues to mold the residency program to best serve our residents with innovations in curriculum, mindfulness and well-being, and teaching – enlisting stakeholders to invest in creating a cohesive resident and faculty team with focus on education, quality patient care, and a safe hospital environment.

**Pediatric Urology**

The division of pediatric urology at the Cincinnati Children’s Hospital Medical Center performs the entire spectrum of pediatric urologic surgery. The world-renowned full-time pediatric urologists practice at Cincinnati Children’s Hospital Medical Center, one of the largest and most prestigious pediatric facilities in the nation. The Cincinnati Children’s urology program is ranked No. 4 in the 2020-2021 list of Best Children’s Hospitals published by *U.S. News & World Report*.

**Faculty**

**Ayman Mahdy, MD, PhD**

Associate Professor of Clinical Surgery  
Interim Director, Section of Urology  
Director, Voiding Dysfunction and Female Urology  
Director of Urology, West Chester Hospital  
Residency Program Educational Site Director, West Chester Hospital

Dr. Mahdy specializes in urinary incontinence, voiding dysfunction, urinary reconstruction and women's urological disorders. He also performs endourologic procedures for stone disease and other urologic conditions.

**R. Bruce Bracken, MD, FACS**

Professor of Surgery

Dr. Bracken specializes in urologic oncology, endourology, robotic surgery, and urethroplasty procedures. He is certified by the American Board of Urology.

**Krishnanath Gaitonde, MD**

Professor of Clinical Surgery  
Co-Director, Urology Fellowship Program  
Chief, Section of Urology, Cincinnati Veterans Affairs Medical Center

Dr. Gaitonde specializes in minimally invasive and robotic surgery for kidney and prostate cancer, urologic tumors and urologic reconstructive surgery. His interests include healthcare management with innovation in establishing a southern Ohio Veterans Administration network for coordinating care between VAMC programs in Cincinnati, Dayton, Columbus, and Chillicothe.

**Mohammed Kamel, MD**

Professor of Surgery  

Dr. Kamel specializes in cancers of the prostate, kidney, adrenal, bladder, testis and penis. He is currently studying the outcomes of robotic radical cysto-prostatectomy in bladder cancer patients with a focus on the elderly.

**Nilesh Patil, MD**

Associate Professor of Clinical Surgery  
Medical Director, UC Health Urology, Clifton  
Director, Urologic Robotics Program

Dr. Patil specializes in robotic surgery, urologic oncology, stone disease, and prostate disorders. His interests include prostate MRI imaging and MRI-targeted ultrasound-guided prostate biopsies and active surveillance.
Courtney A. Plattner, MD
Assistant Professor of Surgery
Director, Urology Residency Program

Dr. Plattner specializes in general urology and performs minimally invasive, endourologic, and microscopic surgeries. Her special interests include urinary stone disease, bladder dysfunction, and men’s health issues. She is certified by the American Board of Urology.

Abhinav Sidana, MD
Assistant Professor of Clinical Surgery
Director, Urologic Oncology
Genitourinary Clinical Trials Leader
Director, Medical Student Education

Dr. Sidana specializes in both surgical and non-operative management of prostate, kidney, ureteral, testicular, and bladder cancers. Dr. Sidana’s research interests include functional prostate imaging, image-guided and focal treatments for prostate cancer, and clinical trials on novel treatments for urologic cancers.

Pediatric Urology Faculty

Pramod P. Reddy, MD, FACS
Professor of Clinical Surgery
Director, Division of Pediatric Urology

Dr. Reddy specializes in general pediatric urology surgery, minimally invasive robotic-assisted surgery, complex genitourinary reconstructive surgery, anorectal malformations, disorders of sex development, neurogenic bladder, renal transplant in the neurogenic bladder, prenatal evaluation and fetal care, kidney stones, ESWL, clinical trials, and basic science research. He is certified by the American Board of Urology with subspecialty certification in Pediatric Urology.

W. Robert DeFoor, Jr., MD
Professor of Clinical Surgery
Director, Pediatric Urology Fellowship Program
Director, Clinical Research Program
Residency Education Site Director, Cincinnati Children’s Hospital Medical Center

Dr. DeFoor specializes in general pediatric urology surgery, robotic-assisted laparoscopic surgery, complex genitourinary reconstructive surgery, kidney stones, uro-oncology, vesicoureteral reflux, prenatal hydronephrosis, posterior urethral valves, clinical outcomes research, and clinical trials. He is certified by the American Board of Urology with subspecialty certification in Pediatric Urology.

Eugene Minevich, MD
Professor of Clinical Surgery
Director of the Stone Center

Dr. Minevich specializes in general pediatric urology surgery, complex genitourinary reconstructive surgery, kidney stones, ESWL, microscopic hypospadias, and endoscopic treatment of VUR. He is certified by the American Urological Association with subspecialty certification in Pediatric Urology.

Paul H. Noh, MD, FAAP
Associate Professor of Clinical Surgery
Director of Minimally Invasive Surgery

Dr. Noh specializes in general pediatric urology surgery, minimally invasive laparoscopic surgery, minimally invasive robotic-assisted surgery, and prenatal evaluation and fetal care. He is certified by the American Board of Urology with subspecialty certification in Pediatric Urology.

Curtis Sheldon, MD, FACS
Professor of Clinical Surgery
Founding Director of the Urogenital Center

Dr. Sheldon is certified by the American Board of Surgery, American Board of Pediatric Surgery, and the American Board of Urology with subspecialty certification in Pediatric Urology. His current interest is in postgraduate medical education, mentoring residents, ethics, and advising residency programs throughout Cincinnati.

Andrew C. Strine, MD
Assistant Professor of Clinical Surgery
Co-Director of Comprehensive Fertility Care and Preservation Program

Dr. Strine specializes in general pediatric urology surgery, complex genitourinary reconstructive surgery, minimally invasive robotic-assisted surgery, disorders of sex development, prenatal evaluation and fetal care, neurogenic bladder, and fertility care and preservation.
**Brian VanderBrink, MD**

Associate Professor of Clinical Surgery

Dr. VanderBrink specializes in spina bifida, complex genitourinary reconstructive surgery, prenatal evaluation and fetal care, and neurogenic bladder. He is certified by the American Board of Urology.

**Active Volunteer Faculty**

**Good Samaritan Hospital:**

Eric Kuhn, MD (Residency Program Educational Site Director)
Alan S. Cordell, MD
Marc Pliskin, DO
Rebecca Roedersheimer, MD
Dirk M. Wonnell, MD

**Cincinnati Veterans Affairs Medical Center:**

Krishnanath Gaitonde, MD (Residency Program Educational Site Director)
Lisa Filipkowski, MD
Hari P. Kotheegal, MD
Natalie Singer, MD
Safwat Zaki, MD

Additional information on the section of urology can be viewed at [med.uc.edu/surgery](http://med.uc.edu/surgery).
Division of Vascular Surgery

The University of Cincinnati Division of Vascular Surgery offers the full range of vascular surgery procedures and operates as a regional referral center for the treatment of complex vascular problems. The Division performs all open and endovascular procedures for aneurysmal and occlusive disease, redo aortic surgery, and lower extremity bypass operations. In addition, the Division serves as a resource for the region for less common disorders.

The Division of Vascular Surgery offers treatment of vascular disorders at the University of Cincinnati (UC) Medical Center, West Chester Hospital, West Chester Surgical Hospital, the UC Health Physicians Medical Arts Building in Clifton, as well as the UC Vein Center at the UC Health Physicians' Office North in West Chester. Outpatient non-invasive vascular diagnostic testing is available at both the UC Health Physicians Medical Arts Office in Clifton adjacent to the University of Cincinnati Medical Center, and at the UC Health Physicians’ Office North in West Chester adjacent to West Chester Hospital.

The UC Health Aortic Center, directed by Amit Jain, MD, has a team with a wide breadth of expertise, including endovascular and open techniques providing a variety of treatment options and works closely with the Division of Cardiac Surgery to provide complete care of aortic pathology.

Innovations in vascular care include laparoscopic aortic procedures and minimally invasive approaches for critical limb ischemia. Dr. Joseph Giglia is one of only a few surgeons in the country who perform laparoscopic aortobifemoral bypass for aortoiliac arterial occlusive disease.
Faculty

Joseph S. Giglia, MD, FACS
Associate Professor of Surgery
Interim Chief, Section of Vascular Surgery

Dr. Giglia has a special interest in complex aortic surgery, laparoscopic aortic surgery, and minimally invasive treatment of thoracic and abdominal aortic pathology. He is board certified in Vascular Surgery, General Surgery, and Surgical Critical Care.

Amit Jain, MD
Assistant Professor of Surgery
Director, Integrated Vascular Surgery Residency and Fellowship
Director of Aortic Center

Dr. Jain's clinical interests include complex open and endovascular aortic surgery for aortic aneurysms, dissections and occlusive disease of both thoracic and abdominal aorta, cerebrovascular diseases including carotid stenosis and dissections, peripheral vascular diseases, hemodialysis access, non-atherosclerotic vascular pathologies including thoracic outlet, and popliteal entrapment syndromes. He is board certified in Vascular and General Surgery.

Sung Yang, MD
Assistant Professor of Clinical Surgery
Associate Director, Vascular Surgery Residency Program

Dr. Yang's clinical interests include open and endovascular surgery (including aortic procedures), carotid stenting and endarterectomy, visceral arterial occlusive disease, hemodialysis access surgery and maintenance, vascular trauma and the vascular laboratory. He is fellowship trained and Board Certified in Vascular Surgery.

Division of Podiatric Medicine & Surgery

The podiatric surgery physicians utilize a team approach to patient care through collaboration with other medical and surgical specialties to provide comprehensive diagnosis and treatment of all foot and ankle conditions. The latest techniques are utilized in order to address diseases of the foot and ankle, biomechanical imbalances such as bunions and hammertoes, infections (soft tissue of bone) or ulcerations of the foot, as well as ingrown nails, corns and calluses, plantar warts, arthritic deformities and heel pain.

The clinical faculty physicians also have expertise in the management of diabetic foot problems, sports injuries, and trauma to the foot and ankle. Our podiatrists focus on preventing, diagnosing and treating conditions associated with the foot and ankle, and are dedicated to providing individuals with appropriate foot care.
Faculty

Suhail Masadeh, DPM
Associate Professor of Surgery
Director, Division of Podiatric Medicine & Surgery
Director, Podiatric Medicine & Surgery Residency

Dr. Masadeh specializes in lower limb plastic reconstructive surgery with an emphasis on diabetic limb salvage, foot and ankle reconstructive and revisional surgery, including soft tissue reconstruction of the diabetic foot. Dr. Masadeh is dedicated to the advancement of podiatric medicine and detecting the early stages of diseases such as diabetes, arthritis and cardiovascular diseases that exhibit warning signs in the lower extremities.

Bryan J. Hall, DPM
Assistant Professor of Surgery
Associate Program Director, Podiatric Medicine & Surgery Residency

Dr. Hall specializes in all aspects of foot and ankle surgery, total foot and ankle reconstruction, lower extremities and sports-related injuries. Limb-salvage, vascular and traumatic complications, and detecting the early stages of diseases such as diabetes, arthritis and cardiovascular diseases that exhibit warning signs in the lower extremities are also of special interest.

Anthony J. Blanchard, DPM
Assistant Professor of Surgery

Dr. Blanchard specializes in all aspects of surgery of the foot and ankle, with a focus on diabetic, neuromuscular, congenital, and post-traumatic limb deformity including limb salvage and vascular and traumatic complications with the lower extremities. He also promotes the management of foot conditions that may pose an ongoing threat to a patient's overall health through the detection of early stages of diseases such as diabetes, arthritis and cardiovascular diseases.

Peter A. Crisologo, DPM
Assistant Professor of Surgery

Dr. Crisologo has fellowship training in diabetic limb salvage and additional fellowship training in clinical research design and execution. His clinical interest is diabetic limb preservation and his research interest stems from his desire to understand impaired healing in patients with diabetes. He also has training in all aspects of foot and ankle surgery including forefoot and rearfoot reconstruction, limb salvage, trauma, and sports medicine.

Jonathan Moore, DPM
Instructor of Clinical Surgery

Dr. Moore specializes in podiatric medicine and detecting the early stages of diseases such as diabetes, arthritis and cardiovascular diseases that exhibit warning signs in the lower extremities. Dr. Moore also has a special focus in comprehensive wound care treatment and expertise in treating chronic, non-healing wounds.

Additional information on the Section of Vascular Surgery can be viewed at med.uc.edu/surgery.
The affiliated educational programs are crucial for our strategy to provide breadth and depth of surgical experience, a diversity of case mix, and a strong connection to the community. These programs provide some of our highest valued training experience and are guided by a group of some of our best and most awarded surgeon educators.

**Affiliates**

Michael R. Canady, MD  
Chief of Surgery, Holzer Clinic

Fadi Makhoul, MD  
Interim Chief of Surgery, Veterans Affairs Medical Center

Gregory M. Tiao, MD  
Chief of General and Thoracic Surgery, Cincinnati Children’s Hospital

There is an abundance and variety of clinical experiences in the hospitals and outpatient offices of our integrated and affiliated institutions which include:

The Christ Hospital is a 555-bed acute-care hospital located 1.5 miles from the UC College of Medicine. The hospital remains an important part of the integrated surgical residency in general surgery. UC surgeons utilize the Christ
Hospital for patient care in the areas of general, colorectal, vascular, weight loss, transplantation surgery and surgical oncology.

Cincinnati Children’s Hospital Medical Center is a nationally and internationally recognized leader in the treatment and research of pediatric and adolescent diseases. Cincinnati Children’s has 587 beds and is the only Level I pediatric trauma center in southwestern Ohio, northern Kentucky and southeastern Indiana. The hospital is a major teaching site for our surgery residents both in the clinical arena and in the NIH-funded laboratories directed by outstanding surgeon-scientists.

The Cincinnati Department of Veterans Affairs Medical Center is a major 269-bed acute-care hospital for veterans in Southwest Ohio. General surgery, urology and vascular surgery represent three of the largest volume sections within the VA surgical service. The surgical service continues to encounter a wide variety of pathological conditions which require surgical treatment, thus providing a significant opportunity for faculty research and a vital cornerstone for the surgical education of residents and medical students.

The Holzer Clinic is a modern, 100-plus physician, multispecialty group practice facility located in Gallipolis, Ohio, near the West Virginia border. This clinic provides primary, secondary and tertiary care to patients in the Southeastern Ohio and Western West Virginia region, with a population base of about 300,000 and over 150,000 clinic visits per year. Approximately 6,000 operations are performed yearly and there are over 16,000 Emergency Department visits per year. Virtually all surgery residents select a two-month elective rotation to this facility, which exposes these residents to a rural, broadly-defined general surgery experience.
The Section of Basic and Translational Science

The Department of Surgery at the University of Cincinnati (UC) has a long and distinguished history of surgical research that is recognized nationally and internationally. Premier surgeon-scientists and postdoctoral researchers are drawn to the UC Department of Surgery to pursue innovative and exciting research in state-of-the-art laboratories, with a focus on applying the discoveries made in the laboratory directly to the bedside for the advancement of patient care. Clinical trials not available elsewhere are also offered for a variety of surgical diseases, giving hope to patients with critical illness who were once considered untreatable.

The research mission is to generate new knowledge of the scientific basis of surgically-related disease and to provide outstanding scientific training for the surgeons and surgeon-scientists of the future. The primary objectives are: 1) to be on the cutting edge of surgical research; 2) to help develop new applications to clinical care; and 3) to provide outstanding research training for surgical residents and surgeon-scientists.

The Department of Surgery occupies 12,000 square feet of state-of-the-art research laboratories in the Surgical Research Unit, the Cardiovascular Center, and the Medical Sciences Building. Additional research space is utilized at the Cincinnati Children’s Hospital and Shriners Burns Hospital Cincinnati.
One of the primary research strengths of the section is in the field of injury biology. Our multidisciplinary team investigates the molecular and cellular mechanisms by which insults such as trauma and infection can lead to multiple organ failure and death. This group is comprised of both basic scientists and surgeon-scientists, thereby providing a comprehensive approach to scientific problems that have clinical significance. These investigators have multiple federally-funded research projects, including molecular mechanisms of hemorrhagic shock and the impact of novel resuscitation strategies, alterations in immune function during sepsis and burn injury, and transcriptional regulation of local and systemic inflammation.

UC Institute for Military Medicine

Leveraging our unique expertise in injury biology, members of the section and their clinical colleagues in the division of trauma and critical care, as well as members of other UC departments, have partnered with various branches of the United States military to form the UC Institute for Military Medicine.

The mission of the Institute is to discover the scientific basis of severe injury and then utilize this knowledge in the care of combat casualties. Current research projects are centered on determining how combat-related traumatic injury can lead to changes at the cellular and molecular levels that contribute to increased rates of infection in multiple organ failure and death. These projects are funded by the Department of Defense, United States Air Force, Office of Naval Research, and the National Institutes of Health (NIH).

Research Training

An important part of the research mission of the Department of Surgery is the training of surgical residents and medical students from the UC College of Medicine, as well as visiting students and fellows from other national and international universities. Many of our surgical residents pursue a mentored 2- or 3-year research elective in the laboratory of one of our investigators or surgeon-scientists.

These research fellowships are supported by a T32 training grant from the National Institutes of Health as well as by individual grants from the NIH, Shriners Burns Hospital for Children, and various prestigious surgical organizations including the American College of Surgeons, the Society of University Surgeons, the Shock Society, Surgical Infection Society, and others. Surgical research conducted by surgical residents and other research fellows is highlighted by many platform and poster presentations at annual national meetings of the American College of Surgeons, the Association for Academic Surgery, the Society of University Surgeons, the Society for Surgical Oncology, the Society for Surgery of the Alimentary Tract, the American Heart Association, American Association for Cancer Research and the American Gastroenterology Association, among others, as well as numerous prestigious basic science conferences such as the Federation of American Societies of Experimental Biology.

Research within the department and related disciplines is showcased at the weekly Surgical Research conferences as well as at Surgical Grand Rounds.

Residents in the Laboratory 2019-2020

Betzaira G. Childers, MD (Mentor: Andrew Lowy, MD)
Eileen C. Donovan, MD (Mentor: Funda Meric-Bernstam, MD)
Michael E. Johnston, MD (Mentor: Michael Helmrath MD)
Al-Faraaz Kassam, MD (Mentor: Hector Wong, MD)
Tiffany C. Lee, MD (Mentor: Shimul Shah, MD)
Mackenzie C. Morris, MD (Mentor: Michael Goodman, MD)
Kasiemobi Pulliam, MD (Mentor: Timothy Pritts, MD, PhD)
Christen Salyer, MD (Mentor: Charles Caldwell, PhD)
Kathleen E. Singer, MD (Mentor: Michael Goodman MD)
Monica L. Wagner, MD (Mentor: Basilia Zingarelli, MD, PhD)
S. Whitney Zingg, MD (Mentor: Timothy Pritts, MD, PhD)
2020 Resident Research Competition Awards

Department of Surgery Resident Research Awards for research presentations given at Surgical Grand Rounds on May 20, 2020.

Basic Science:

Finalists include:
1. Michael E. Johnston, MD
2. Kasiemobi Pulliam, MD
3. Kathleen E. Singer, MD
4. Monica L. Wagner, MD

Winner: Kasiemobi Pulliam, MD: “Save It - Don’t Waste It! Maximizing Utilization of Erythrocytes from Previously Stored Whole Blood”

Clinical Section:

Finalists include:
1. Michael E. Johnston, MD
2. Al-Faraaz Kassam, MD
3. Tiffany C. Lee, MD
4. Kathleen E. Singer

Winner: Tiffany C. Lee, MD: “Long-Term Outcomes in Patients with Obesity and Renal Disease after Sleeve Gastrectomy”

Other Resident Research Awards 2019-2020

Betzaira G. Childers, MD
American Association for Cancer Research’s Minority in Cancer Research Award
Association of Academic Surgeons Travel Award

Al-Faraaz Kassam, MD
First author of article featured on cover of February 2020 issue of the American Journal of Transplantation

Tiffany C. Lee, MD
AAS Fall Courses Travel Award

Kasiemobi Pulliam, MD
SHOCK Society Diversity Enhancement Award
Regional Committee on Trauma Resident Paper Competition Oral Presentation Award
EAST Raymond H. Alexander Resident Paper Competition Oral Presentation Award
One of the Top 5 projects to present at the University of Cincinnati Residents and Fellows Acute Care Research Showcase and winner of the Best Oral Platform Presentation

Karthik Thangappan, MD
Accepted in the Cincinnati Children’s Hospital Medical Center’s Clinical and Translational Research Fellowship Program for Master of Science degree

Research Faculty Mentors

Charles C. Caldwell, PhD
Professor
Chief, Section of Basic and Translational Science
BA – Chemistry, University of California, San Diego
PhD – Biochemistry, San Diego State University
Postdoctoral Training – Immunology, Laboratory of Immunology, NIAID, NIH
Research Interests – Host immune response to sepsis and trauma injury

Michael J. Edwards, MD
Professor of Surgery
MD – Emory University
General Surgery Residency – University of Louisville
Fellowship in General Surgical Oncology – MD Anderson Cancer Center
Research Interests – Trauma, resuscitation, and blood banking
Michael Goodman, MD
Associate Professor of Surgery
Associate Program Director, General Surgery Residency
MD – University of Cincinnati
Research Fellowship – University of Cincinnati
General Surgery Residency – University of Cincinnati
Fellowship in Surgical Critical Care – University of Texas Health Science Center
Research Interests – Posttraumatic coagulopathy

Erich Gulbins, MD, PhD
Professor
Chair and Director, Department of Molecular Biology,
University of Essen, Germany
MD and PhD – University of Heidelberg, Heidelberg, Germany
Postdoctoral Training – Immunology, La Jolla Institute of Allergy and Immunology
Research Interests – Sphingolipids in surgical pathology

Alex B. Lentsch, PhD
Professor
Vice Chair for Research
Senior Associate Dean for Faculty Affairs and Development
BS – Biological Sciences, Northern Kentucky University
PhD – Physiology and Biophysics, University of Louisville
Postdoctoral Training – Immunopathology, University of Michigan
Research Interests – Inflammation, ischemia/reperfusion injury, hemorrhagic shock, sepsis

Amy T. Makley, MD
Associate Professor of Surgery
Associate Program Director, General Surgery Residency
Director of UCMC Trauma Surgery
MD – University of Cincinnati
Research Fellowship – University of Cincinnati
General Surgery Residency – University of Cincinnati
Fellowship in Surgical Critical Care – University of Pennsylvania
Research Interests – Posttraumatic coagulopathy

Vanessa A. Nomellini, MD, PhD
Assistant Professor of Surgery
MD – Loyola University
PhD – Loyola University
General Surgery Residency – University of Wisconsin
Fellowship in Surgical Critical Care – University of Pennsylvania
Research Interests – Immune dysfunction and sepsis

Sameer H. Patel, MD
Assistant Professor of Surgery
MD – Emory University
General Surgery Residency – Emory University
Fellowship in Surgical Oncology – University of Texas MD Anderson Cancer Center
Research Interests – Pancreas cancer and Immunotherapy

Timothy A. Pritts, MD, PhD
Professor of Surgery
Chief, Section of General Surgery
MD – Northwestern University
PhD – University of Cincinnati
General Surgery Residency – University of Cincinnati
Fellowship in Surgical Critical Care – University of Cincinnati
Research Interests – Trauma, resuscitation, and blood banking

Gregory C. Wilson, MD
Assistant Professor of Surgery
MD – University of Louisville
General Surgery Residency – University of Cincinnati
Research Fellowship – University of Cincinnati
General Surgical Oncology Fellowship – Hillman Cancer Center, University of Pittsburgh Medical Center
HPB Fellowship – Liver Cancer Center, University of Pittsburgh Medical Center
Research Interests – Pancreas cancer and Immunotherapy

Additional information on the section of basic and translational science can be viewed at med.uc.edu/surgery.
Peer-Reviewed Journal Articles:


Beckmann N, Huber F, Hanschen M, St Pierre Schneider B, Nomellini V, Caldwell CC. Scald injury-induced T cell dysfunction can be mitigated by Gr1+ cell depletion and blockade of CD47/CD172a signaling. *Front Immunol*. 2020 May;8:11:876. PMID: 32477354


Konishi T, Schuster RM, Goetzman HS, Caldwell CC, Lentsch AB. Fibrotic liver has prompt recovery after ischemia-reperfusion injury. Am J Physiol Gastrointest Liver Physiol. 2020 Mar 1;318(3):G390-G400. PMID: 31961717


Lee S, Zhou P, Whyte S, Shin S. Adeno-associated virus serotype 8-mediated genetic labeling of cholangiocytes in the neonat-


Tweddell S, Loomba RS, Cooper DS, Benscoter AL. Health care-associated infections are associated with increased length of stay and cost but not mortality in children undergoing cardiac surgery. *Congenit Heart Dis.* 2019 Sep;14(5):785-790. PMID: 31059210


von Allmen D. Pediatric surgical oncology: A brief overview of where we have been and the challenges we face. *Semin Pediatr Surg.* 2019 Dec;28(6):150864. PMID: 31931962


Selected Book Chapters/Review Articles


**National/International Presentations:**


Dasgupta AR: “Management of lymph nodes in soft tissue sarcoma.” Sarcoma Conference, Texas Children’s Hospital, Houston, TX, February 2020.


Diwan TS, Ratner L: Surgical Video, Discussion. ASTS Laparoscopic Donor Nephrectomy (LDN) Workshop, Houston, TX, August 26-27, 2019.


**Farooqui Z**, **Wagner ML**, Elson, N, Makley AT, Pritts TA, Goodman...


Garrison AP: “Hirschsprung disease.” Panelist, Annual Pediatric Colorectal and Pelvic Reconstruction Conference, Nationwide Children’s Hospital, Columbus, OH, November 13, 2019.

Garrison AP: “Anorectal malformations.” Advanced Panelist, Annual Pediatric Colorectal and Pelvic Reconstruction Conference, Nationwide Children’s Hospital, Columbus, OH, November 14, 2019.

Garrison AP: Case Presentations/Ask the experts/Tips & Tricks. 6th Annual Pediatric Colorectal and Pelvic Reconstruction Conference. Nationwide Children’s Hospital, Columbus, OH, November 15, 2019.


Kassam AF, Taylor M, Cortez AR, Winer LK, Quillin RC: “Racial and gender disparities in academic general surgery leadership.” Accepted for presentation [meeting cancelled due to COVID-19], Association for Surgical Education, Seattle, WA, April 2020.


Kitzmiller WJ: “Resident aesthetic clinics.” Virtual presentation, University of Cincinnati College of Medicine, University of Michigan and Georgetown University Plastic Surgery Programs, May 4, 2020.

Kitzmiller WJ: “Practical approach to aesthetic surgery.” Virtual presentation, University of Cincinnati College of Medicine, University of Michigan and Georgetown University Plastic Surgery Programs, May 11, 2020.


Lim FY: “Sacroccocygeal teratoma.” Training course of Fetoscopy and Updates of Fetal Surgery, Caceres, Spain, October 7-8, 2019.

Lim FY: “EXIT procedure.” Training course of Fetoscopy and Updates of Fetal Surgery, Caceres, Spain, October 7-8, 2019.


Lim FY: “ABC’s of fetal therapy.” UAB Women & Infants Center, Birmingham, AL, August 21, 2019.


Morales DLS: “Fontan project and shared research advances.” EUMS Meeting, Vienna, Austria, December 11-14, 2019.


Morales DLS: “VAD updates and trends.” IJN Hospital, Kuala Lumpur, Malaysia, November 6, 2019.

Morales DLS: “VAD updates and trends.” National University Hospital, Singapore, November 5, 2019.


ability of patient information regarding first-aid for acute burns on


Peiro JL: “Update on ECMO for congenital diaphragmatic hernia.” XII Congresso Paulista de Cirurgia Pediatrica, Paulista Pediatric Surgery Congress, Sao Paulo, Brazil, August 2019.


Ponsky TA: “The diminishing value of societies and medical publishing: How will we share knowledge in the future?” Visiting Professor, Virtual Grand Rounds, Boston Children’s Hospital, Boston, MA, April 1, 2020.


Shields A: “The diminishing value of societies and medical publishing: How will we share knowledge in the future?” Visiting Professor, Virtual Grand Rounds, Boston Children’s Hospital, Boston, MA, April 1, 2020.


Tremblay S: “Clinical evaluation of modified-release tacrolimus formulations.” Canadian Society of Transplantation Annual Scientific Meeting, Banff, Canada, October 2019.


von Allmen D: “Gastric pull-up: Open/laparoscopic.” Egyptian Pediatric Surgical Association Meeting, Cairo, Egypt, November 11, 2019.


Ongoing Clinical Trials and Funded Grants:

Ahmad SA (National Principal Co-Investigator): FOLFIRINOX versus Gemcitabine/ nab-Paclitaxel as neoadjuvant therapy for resectable pancreatic adenocarcinoma: A randomized Phase II study. SWOG S1505.

Ahmad SA (National Principal Co-Investigator): Preoperative extended chemotherapy vs. chemotherapy plus hypofractionated radiation therapy for borderline resectable adenocarcinoma of the head of the pancreas. Alliance A021501.

Ahmad SA (Committee Chair): SWOG Network Group Operations Center of the NCTN. National Cancer Institute.


Babcock GF (Principal Investigator): Efficacy study of a test compound in a murine infection model. Rem Brands, Inc.

Babcock GF (Principal Investigator): Antimicrobial block copolypeptides (A-Blocks): Innovative therapeutics and prophylactics for wound infection. Amicrobe, Inc.


Bondoc A (Principal Investigator): GPC3 cleavage plays an integral role in hepatoblastoma tumor proliferation. National Institutes of Health.

Bondoc A (Principal Investigator): The use of indocyanine green as a diagnostic adjunct for pediatric solid malignancies. Clinical trial.


Branson RD (Principal Investigator): Multicenter implementation trial of targeted normoxia strategy to define oxygen requirements for combat casualty care. Department of Defense.


Caldwell CC (Principal Investigator): Epoxyeicosatrienoic acids: Therapeutic potential in skin grafting and burns. Shriners Hospitals for Children – Cincinnati.

Caldwell CC (Principal Investigator): Exploiting bioactive lipid properties to rescue burn-injured mice from lung infection. Shriners Hospitals for Children – Cincinnati.

Caldwell CC (Principal Investigator): Ceramide regulatory role upon neutrophil chemotaxis after burn injury. Shriners Hospitals for Children – Cincinnati.


Caldwell CC (Co-Investigator): Roles of Sectm1a in macrophages and cardiac function during sepsis. National Institutes of Health.

Dale EL (Principal Investigator, Burn Division): Implementation trial of targeted normoxia strategy to define oxygen requirements for combat casualty care. Department of Defense.

Dale EL (Site Principal Investigator): Sensation-NOW™ [Sensation Neurotization Outcomes for Women] clinical registry.


Falcone RA, Jr. (Principal Investigator): Prospective, observational, multicenter study of optimal resuscitation in pediatric trauma. Childress Institute for Pediatric Trauma.

Gobble R (Principal Investigator): Doxycycline-coated silicone implants decrease incidence of bacterial infection. Plastic Surgery Foundation.

Gobble R (Grant Author): 2019 UCCI Breast Reconstruction Awareness Day Grant. Plastic Surgery Foundation – Breast Reconstruction Public Awareness Grant.


Goodman MD (Site Principal Investigator): Randomized trial of early hemodynamic management of patients following acute spinal cord injury (TEMPLE). Department of Defense.


Goodman MD (Principal Investigator): Role of acid sphingomyelinase in the modulation of coagulation after traumatic brain injury. National Institutes of Health/NIHMS.


Helmrath MA (Co-Investigator): Intestinal Organoids as a model system for studying enteric disease National Institutes of Health.


Helmrath MA (Co-Investigator): Personalizing cystic fibrosis research translation. Cystic Fibrosis Foundation.

Helmrath MA (Collaborator): The role of hedgehog signaling in gastric tissue repair and regeneration. National Institutes of Health.

Helmrath MA (Principal Investigator): Surgical or medical treatment for pediatric type 2 diabetes (ST2OMP). National Institutes of Health.

Helmrath MA (Co-Investigator): Immunopathogenesis of non-alcoholic fatty liver disease. National Institutes of Health.

Helmrath MA (Co-Investigator): Engineering a therapeutic human esophagus from pluripotent stem cells. Shiplely Foundation.

Helmrath MA (Co-Investigator): Human iPSC models of metabolic and digestive diseases. The Paul G. Allen Foundation.

Helmrath MA (Principal Investigator): Inflammatory vigor in heterogeneity of Type 2 Diabetes (T2D) development, severity and resolution. Department of Defense.


Lentsch AB (Principal Investigator/Program Director): Host response to trauma research training program. National Institutes of Health.


Lentsch AB (Principal Investigator): Expeditionary medicine, trauma, and enroute care (EMTEC) research and technology development co-op agreement. US Air Force.

Lewis JD (Principal Investigator): Use of fractional CO2 laser in the management of vaginal atrophy and dyspareunia. University of Cincinnati Cancer Institute Survivorship Program Pilot Grant.

Lim FY (Site Principal Investigator): Diaphragmatic hernia research and exploration, advancing molecular science. Columbia University.

Makley AT (Principal Investigator): Point of care acute kidney injury biomarker testing for en route combat casualty care. Department of Defense.

Makley AT (Principal Investigator): An open-label pharmacokinetic study of minocycline for injection following a single infusion in critically-ill adults (ACUMIN). National Institute of Allergy and Infectious Diseases.


Nathan JD (Site Principal Investigator): Ahmad SA (Co-investigator): Advancing treatment for pancreatitis: A prospective observational study of TPIAT. National Institutes of Health.


Patel SH (Principal Investigator): 5-Pillar prehabilitation program (SP3) for pancreas cancer. University of Cincinnati Cancer Center.


Pritts TA (Principal Investigator): Attenuation of the red blood cell storage lesion to allow extended use of previously cryopreserved pRBC units in austere environments. Department of Defense.

Quillin RC (Principal Investigator): Education on organ donation should start in medical school: Development of a formalized medical student organ procurement curriculum. Ohio Solid Organ Transplantation Consortium.


Shaughnessy EA (Co-Investigator): Breast papillomas: A unique opportunity to investigate risk factors and outcomes. RideCincinnati grant.


Tremblay S (Principal Investigator): A 12-month, open label study of extended release tacrolimus (Envarsus XR®, LCPT) with mycophenolate, rabbit antithymocyte globulin (rATG) and early steroid withdrawal in de novo kidney transplant recipients. Veloxis Pharmaceuticals.

Tremblay S (Co-Investigator): Targeting human plasma cells to overcome humoral responses in transplantation.


Tsuei BJ (Co-Investigator): Large observational study to understand the global impact of severe acute respiratory failure [LUNGSAFE]. European Society of Intensive Care Medicine.


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