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.
Welcome to the Department of Surgery at the University of Cincinnati, where our honorable missions are:

1. To provide comprehensive 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 surgical health care for all members of the Cincinnati community.

Over the years we have built on a progressively stronger foundation of excellence in our clinical service, teaching, and research missions. As we recognize our achievements, I begin my twelfth year as Chair with a sense of pride in our prior, ongoing and future achievements.

First and foremost, our culture is based on a stewardship to our missions. We create value for both our patients and our trainees while discovering the secrets of nature in advancing the surgical state-of-the-art. I have repeatedly pointed out that those who deliver the highest quality of care have a moral obligation to leverage their superior insight and teach practice standards to their peers and future generations of surgeons. The highest quality clinical education invariably results in probing the limits of state-of-the-art care, thereby discerning the most efficient pathways for clinically relevant discovery and scholarship. The pursuit and achievement of excellence on behalf of a department of surgery ultimately yields success across this continuum of interdependent missions. I am also proud to say that our faculty and residents have realized the full potential of this continuum as well as any great department of surgery. Our commitment to this culture is evident in our daily duties and permeates our organizational structure, governance, and decision-making. As a result, we have a sense of departmental and personal excellence and destiny on behalf of faculty and residents alike.

We take pride in providing a superior surgical education. Our faculty participates in training approximately 185 medical students each year, while our clinical divisions sponsor 12 graduate medical education resident and fellow programs that encompass an average 100 residents and fellows (including clinical and research fellows). We have more than 185 faculty who work
hard to advance the art and science of surgery, supported by more than 230 support staff. Our trainees regularly attain the most competitive fellowships and jobs, perhaps the most important indicator of our training success.

Dr. Jeffrey Sussman, our Vice Chair for Education, is assisted by an outstanding team of associate directors and staff. This team has worked with the faculty to make our education mission impactful and current. Because surgical education is more complex than ever, it now requires the flexibility to provide for a variety of styles of learning and technical skills.

Our confidence and contemporary success have origins both in our historical methods and our willingness to adapt and adopt more effective models of training. For example, we provide a rich learning environment outside of the operating room, including the Center for Surgical Innovation and the Edward Woliver Laboratory for Simulation and Education in Surgery, as well as Acting Intern/Intern “boot camps” where technical skills assessment is formalized into modules. These instructional and technical skills assessment labs prepare the residents and medical students to enter the operating room with the specialized technical skills needed for efficient learning. We are also conducting funded research into what additional factors must be addressed for success in residency.

In addition to myself, the Office of the Chair comprises the Vice Chair for Education (Jeffrey Sussman, MD), the Vice Chair for Research (Alex Lentsch, PhD), the Vice Chair for Finance and Compensation (Timothy Pritts, MD, PhD), and the Vice Chair and Executive Director of Business Affairs (Tal Richards, MHA). Coupled with the wisdom of our Section Chiefs and Division Directors and faculty, we have grown and succeeded in our collective missions over the years. I urge you the reader to review each sectional report contained herein to get a sense of our core strengths.

The Fiscal Year 2017 operating budget for the Department of Surgery was approximately $60 million. Of our total budget, $47 million was committed to serving our patient care mission. More than 24,000 new patients sought the care of our surgical specialists during this past year, resulting in nearly 14,500 surgical procedures. Approximately $7.5 million (12.5%) of our annual budget was dedicated to our research activities.

And finally I ask you the reader to recognize and remember this. I take great personal pride in the opportunity to coach the most gifted of trainees and faculty. Each one is unique in their own way with their strengths and weaknesses, just as I am. To be able to counsel, encourage, and sometimes gently prod our residents and faculty so that they are transformed into leading academic surgeons is the most enjoyable aspect of my position.
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.
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.
Facilities

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.
Shriners Hospitals for Children - Cincinnati

The Shriners Hospital for Children – Cincinnati is a 30-bed pediatric burn hospital providing comprehensive acute care, reconstructive and rehabilitative care. This hospital is one of 22 Shriners Hospitals in North America. The Cincinnati-based hospital, which focuses on burn injuries, has significant research facilities that focus on the latest ground-breaking treatments for burn patients such as artificial skin grafting. Critically burned pediatric and adolescent patients are admitted to the facility from across the country. This facility offers UC trainees and faculty unique exposure to the specialized care associated with burn injuries.

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. Dr. Altemeier was the first to describe cancer of the proximal (hilar) bile ducts, an entity subsequently recognized and named after Klatzkin. Dr. Altemeier oversaw the building of the first surgical research facility in the mid 50’s. The Shriners Burns Hospital, one of three in the nation, was built in Cincinnati due to the strong advocacy of Drs. William Altemeier, Robert Hummel, and Bruce MacMillan in the treatment of burn injuries. A strong connection made between Cincinnati and the US Army Burn Center in San Antonio, Texas, still exists today. 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, including Dr. Brad Warner. 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. This program has attracted and graduated plastic surgeons who are considered among the very best in the country. Dr. Neale turned over the helm of the division of plastic surgery in 2004 to Dr. John Kitzmiller, one of his former plastic surgery residents.

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 from 2003-2008. He was a member of the UC faculty since 1986 when he completed his surgical residency training in the UC Department of Surgery. His clinical and research interests are in gastrointestinal surgery and minimally invasive approaches to general 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 video-surgical 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 is 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, graduated from Emory University School of Medicine, then completed his general surgery residency at the University of Louisville and a surgical oncology fellowship at the M.D. Anderson Cancer Center. An oncologic surgeon, his clinical practice focuses on breast cancer. In collaboration with Dr. Jay Johannigman, an experienced combat hospital surgeon, Dr. Edwards nurtured the development of the University of Cincinnati Institute for Military Medicine (formally established by the UC Board of Trustees in 2009), an internationally renowned program advancing the care of the acutely injured soldier and civilian. Dr. Edwards brings 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. More recently, he has reorganized the Department into more streamlined and efficient sections and divisions.
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 continues to demonstrate outstanding leadership and innovation in his 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 and skills labs. She and Dr. Goodman have been responsible for revitalizing the mock oral experience for the residents as well as the curriculum in general. 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 considerably expertise in assessment and professional development of the surgical residents. He is responsible for curriculum mapping and rotation scheduling.

Krishna P. Athota, MD – Director, Surgery Student Education. Dr. Athota is an outstanding trauma surgeon and educator who has served as Associate Director of Surgery Student Education from 2008-2010 and Director since 2010. 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.

Joshua W. Kuethe, MD – Associate Director, Surgery Student Education. Dr. Kuethe provides additional leadership and serves as a role model for the Surgery Student program.

Jonathan R. Snyder, MD – Associate Director, Surgery Student Education. Dr. Snyder is a dedicated teacher and mentor to the medical students.
Amy T. Makley, MD
Associate Professor of Surgery
Section of General Surgery
Associate Director, Residency Program in General Surgery

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

Krishna P. Athota, MD
Associate Professor of Surgery
Section of General Surgery
Program Director, Fellowship in Critical Care Surgery
Director, Surgical Student Education

Joshua W. Kuethe, MD
Clinical Instructor of Surgery
Section of General Surgery
Associate Director, Surgical Student Education

Jonathan R. Snyder, MD
Assistant Professor of Surgery
Section of Colon and Rectal Surgery
Associate Director, Surgical Student Education

Administrative Team
Gilda Young, Residency Coordinator
Manager, Office of Education
Debbie Browne, Assistant Residency Coordinator
Bennie Patrick, Surgery Medical Student Coordinator
M. Scott Fulp, Administrative Assistant
Steve Wiesner, Electronic Publishing Coordinator

2018 Association of Residency Administrators in Surgery award for Administrator of the Year (Gilda Young)
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.
- Introduction of a more robust menu 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 milestone mapping.
- Implementation of AMION for call schedules.
- Introduction of new teaching conferences and wellness events.

**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 in April 2013, the General Surgery Residency program received full five year accreditation 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 have held a majority share of best teacher 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 of selection for surgery and have been remarkably 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. It also includes sophisticated devices that incorporate haptics (sense of touch) and track a surgeon’s performance during the training session. The lab utilizes the Fundamentals of Laparoscopic Surgery (FLS) course, an education and skills training module which is rapidly becoming the standard of evaluating basic skills and knowledge for laparoscopy. The Fundamentals in Endoscopic Surgery course curriculum serves to teach and test residents in diagnostic and therapeutic upper and lower GI endoscopy.

**Graduate Medical Education**

The Department of Surgery sponsors graduate medical education programs in 12 surgical specialties which encompass 109 residents and fellows. The following lists these resident and fellowship programs:

**Resident Programs (89):**
- General Surgery (42)
- Oral and Maxillofacial Surgery (13)
- Plastic, Reconstructive and Hand Surgery (8)
- Podiatric Medicine and Surgery (6)
- Thoracic Surgery (5)
- Urology (10)
- Vascular Surgery (5)

**Fellowship and Advanced Training Programs (20):**
- Congenital Cardiac Surgery Fellowship Program (1)
- Minimally Invasive Urology Fellowship Program (1)
- Pediatric Surgery (2)
- Pediatric Surgery Subspecialty (5)
- Pediatric Urology (2)
- Pediatric Urology – International (non-accredited) (2)
- Thoracic Surgery (1)
- Transplant Surgery (3)
- Surgical Critical Care (2)
- Vascular 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 Office of Education 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
- The Christ Hospital
- Cincinnati Children’s Hospital Medical Center
- Shriners Burns Hospital Cincinnati
- Holzer Clinic, Gallipolis, Ohio
- UC Health Physicians Office, West Chester
- West Chester Hospital
- 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
- Hepatobiliary and Pancreatic Surgery
- 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).

**2017-2018 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 as individuals. In addition, the Visiting Professor gives presentations at Surgical Grand Rounds to faculty, residents and medical students.

During the academic year 2017-2018, we had the privilege of hosting 8 Visiting Professors:

**July 19, 2017**

**J. David Richardson, MD**
Professor and Vice Chairman of Surgery
University of Louisville
Chief of Surgery Service & Director, Emergency Surgical Services
University of Louisville Hospital
Past President & Board of Regents Chair, American College of Surgeons

Surgical Grand Rounds: “Evolution of the Management of Injuries to the Liver and Spleen”

**November 7-8, 2017**

**Tenth Annual Heekin Family Lectureship**

**David C. Mulligan, MD, FACS**
Professor of Surgery
Chief, Section of Transplantation and Immunology
Director, Yale New Haven Transplantation Center

Transplant Grand Rounds: “Challenges of Liver Paired Exchange”

Surgical Grand Rounds: “Integrating Telemedicine into Health Care Delivery for the Transplant Population”
February 28, 2018
Third Annual Robert P. Hummel MD Visiting Professor
David A. Sloan, MD, FACS
Professor of Surgery
Warren H. Proudfoot Professor of Surgical Oncology
Head, Section of Endocrine Surgery
University of Kentucky
Surgical Grand Rounds: “The Many Faces of Primary Hyperparathyroidism”

April 4, 2018
Philip A. Efron, MD, FACS, FCCM
Associate Professor of Surgery and Anesthesiology
Co-Director, Laboratory of Inflammation Biology and Surgical Science
Medical Director, Surgical Intensive Care Units and Respiratory Therapy
University of Florida Health
Surgical Grand Rounds: “The New Paradigm of Sepsis”

April 11, 2018
Twenty-First Annual Barrows Memorial Lectureship
Allan Tsung, MD
Professor and Raizman-Haney Chair in Surgery
Vice Chair of Research, Department of Surgery
Co-Director, UPMC Liver Cancer Center
University of Pittsburgh School of Medicine
Surgical Grand Rounds: “Metastatic Colorectal Cancer: Exploring New Frontiers”

April 25, 2018
Twenty-Second Annual J. Rawson Collins Visiting Professor
Gregory D. Kennedy, MD, PhD
John H. Blue Chair in General Surgery and Professor of Surgery
Director, Division of Gastrointestinal Surgery
University of Alabama at Birmingham School of Medicine
Surgical Grand Rounds: “Remembering the WHY in the WHAT: Refocusing a Research Program”

May 30, 2018
Sixth Annual John B. Flege, Jr. Visiting Professor
Richard L. Prager, MD
Professor of Surgery and Head, Section of Adult Cardiac Surgery
Director, Frankel Cardiovascular Center, University of Michigan
Immediate Past President, Society of Thoracic Surgeons
Surgical Grand Rounds: “The Evolution of the Operative Treatment of Coronary Artery Disease”

June 13, 2018
Plastic Surgery/Burn Surgery Visiting Professor
Benjamin Levi, MD
Assistant Professor of Surgery
University of Michigan
Surgical Grand Rounds: “How Trauma Turns Us to Bone: Heterotopic Ossification and Lessons from the Boston Bombing”

Residency Program in General Surgery

Jeffrey J. Sussman, MD, Program Director
Professor of Surgery
Section of Surgical Oncology
Vice Chair for Education

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

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

Gilda Branson Young, Office Manager & Program Coordinator
513-558-4206
gilda.young@uc.edu

Debbie Browne, Assistant Residency Coordinator
513-558-5862
brownedm@ucmail.uc.edu
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 2017-2018**

**Graduating Chief Residents:**

Sarah J. Atkinson, MD – University of Illinois – Entered Colorectal Fellowship, University of Toronto, Ontario, Canada

Christopher M. Freeman, MD – University of Cincinnati – Entered Trauma/Critical Care Fellowship, Oregon Health and Science University, Portland, OR

Anthony J. Hayes, MD – University of Cincinnati – Entered United States Navy Medical Center, Camp Lejeune, Jacksonville, NC

Joshua W. Kuethe, MD – University of Cincinnati – Entered General Surgery, VA Medical Center and UC Medical Center, Cincinnati, OH

Emily F. Midura, MD – Thomas Jefferson University – Entered Colorectal Fellowship, University of Minnesota, Minneapolis, MN

**General Surgery Residents 2018-2019**

**First Year:**

Allison M. Ammann, MD – Texas Tech University

Michael M. Binner, MD (Urology) – University of San Francisco

Aaron M. Delman, MD – Wayne State University

Daniel J. Lama, MD (Urology) – University of California, Irvine

Kevin M. Turner, MD – Loyola University

Dennis M. Vaysburg, MD – Temple University

Taylor E. Wallen, MD – Central Michigan University

Aaron L. Womer, MD – Case Western Reserve University

**Second Year:**

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

S. Whitney Zingg, MD – University of Tennessee

**Research:**

Jennifer E. Baker, MD – Thomas Jefferson University

Betzaira G. Childers, MD – University of Texas, San Antonio

Alexander R. Cortez, MD – University of Cincinnati

Al-Faraaz Kassam, MD – Rush University

Tiffany C. Lee, MD – University of Rochester

Nick C. Levinsky, Jr., MD – University of Cincinnati

Hannah V. Lewis, MD – University of Cincinnati

Mackenzie C. Morris, MD – Jefferson University

Kasiemobi Pulliam, MD – Indiana University

Monica L. Wagner, MD – University of Cincinnati

Leah K. Winer, MD – Thomas Jefferson University

**Third 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 Martin Niziolek, MD – University of North Carolina at Chapel Hill

Amanda M. Pugh, MD – East Carolina University
Fourth Year:

Meghan C. Daly, MD – State University of New York at Buffalo
Benjamin R. Huebner, MD – University of Nebraska
Paul T. Kim, MD – University of Iowa
Young Kim, MD – University of Cincinnati
Aaron P. Seitz, MD – University of Cincinnati
Brent T. Xia, MD – Thomas Jefferson University

Chief Year:

Alex L. Chang, MD – Baylor College of Medicine
Phylicia D. Dupree, MD – Howard University
Audrey E. Ertel, MD – Jefferson Medical College
Richard S. Hoehn, MD – University of Cincinnati
Peter L. Jernigan, MD – University of Alabama
Teresa C. Rice, MD – Case Western Reserve University

Honors and Awards 2017-2018

Faculty:

Syed A. Ahmad, MD
Named Surgical Director of SWOG starting 2019
Inducted into American Surgical Association
Inducted into Southern Surgical Association
UC Health 2018 Clinical MVP

Krishna Athota, MD
2018 Silver Apple

Steven Boyce, PhD
Inducted as a Fellow of the National Academy of Inventors
Best paper of 2017, Journal of Burn Care and Research

R. Bruce Bracken, MD
2018 UCMC Exemplary Physician Award

Madison Cuffy, MD
Inducted into Alpha Omega Alpha Honor Society, 2017

Kenneth Davis, Jr., MD
UC Health Martin Luther King Humanitarian Award
Inducted into Alpha Omega Alpha Honor Society, 2018

Michael D. Goodman, MD
Recipient of $1.5 million NIH R01 Research Project Grant

Deepak Krishnan, DDS
American Association of Oral and Maxillofacial Surgeons recipient of the 2018 Clinical Research Award
2018 OMS Foundation Daniel M. Laskin Award for the most outstanding article published in the Journal of Oral and Maxillofacial Surgery

Amy T. Makley, MD
Appointed trauma medical director at UCMC and director of the division of UC Medical Center trauma within the section of general surgery

Timothy A. Pritts, MD, PhD
UCMC physician of the quarter
Elected to Secretary of the Ohio Chapter of the ACS
Councilor for membership and chair of membership committee, Society of University Surgeons
Treasurer for the Central Surgical Association
Inducted into American Surgical Association

Elizabeth A. Shaughnessy, MD, PhD
Chosen by Association of Women Surgeons to participate in Lantern Leadership Experience
Treasurer of the Association of Women Surgeons

Jeffrey J. Sussman, MD
2018 Outstanding Educator Award in Surgery (tie)
Auditor in Central Surgical Association

Brad Watkins, MD
2018 Outstanding Educator Award in Surgery (tie)

Residents:

Jennifer E. Baker, MD
Aesthetic Surgery Education and Research Foundation Gasper W. Anastasi Award

Lauren M. Baumann, MD
International Pediatric Endosurgery Group Travel Award

Richard S. Hoehn, MD
Inducted into Gold Humanism Honor Society

Andrew D. Jung, MD
Second place, Resident Paper Competition, Ohio Chapter of the ACS Resident Research Forum
Joshua W. Kuethe, MD
Inducted into Gold Humanism Honor Society
2018 Graduate Medical Trainee Award of Excellence

Nick C. Levinsky, Jr., MD
Society of Thoracic Surgeons Looking to The Future Travel Award
Third place, Resident Paper Competition, Ohio Chapter of the ACS Resident Research Forum

Hannah V. Lewis, MD
Shock Society Travel Award

Emily F. Midura, MD
Election to Alpha Omega Alpha Honor Society
Resident representative, Resident Advisory Committee
Inducted into Gold Humanism Honor Society

Grace Martin Nizolek, MD
Shock Society New Investigator Award Finalist
Shock Society Travel Award
UC Acute Care Research Resident of the Year Award
Winner, Ohio Committee on Trauma Resident Paper Award

Leah K. Winer, MD
Shock Society Travel Award

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.

The Mont Reid Surgical Society has education as one of its cornerstone goals and launched a Campaign to aid the Department in continuing to provide an outstanding educational experience for residents. Thanks to the generous donations of its members, the Mont Reid Society provides financial assistance as needed to residents in the general surgery training program in the form of a loan which bears no interest during the training period or for the first three years after completion of training.

The Society meets annually at the American College of Surgeons Clinical Congress where members can renew or make new acquaintances. In addition, the Society hosts a Visiting Professor every year with both social and academic activities at the UC Department of Surgery.

Mont Reid Surgical Society Officers
President: Jay A. Johannigman, MD
President-Elect: W. John Kitzmiller, MD
Secretary-Treasurer: Timothy A. Pritts, MD, PhD
Councilor-at-Large: Daniel von Allmen, MD
Historian: John J. McDonough, MD
Administrator: Gilda Branson Young (gilda.young@uc.edu)

Residency Program in Oral and Maxillofacial Surgery

Deepak Krishnan, DDS, FACS, Program Director
Associate Professor of Clinical Surgery
Section of Oral and Maxillofacial Surgery

Ashley Waller, Program Coordinator
Department of Surgery
Section of Oral and Maxillofacial Surgery
University of Cincinnati College of Medicine
200 Albert Sabin Way (ML 0461)
Cincinnati, OH 45219
513-584-2586
ashley.waller@uc.edu

The oral and maxillofacial surgery residency-training program at the University of Cincinnati is the second oldest training program 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, 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. Resident OMSITE (Oral and Maxillofacial Surgery In-service Testing Examination) scores are consistently very competitive with the national average.

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 five 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 division engaged in research pertaining to the genetics of personalized post-operative analgesia, auto-tooth transplantation, bone-anchored mini-plates in anchorage for maxillary advancement in cleft lip/palate patients, noise level exposure to oral and maxillofacial surgeons, and outcomes of mandibular fracture repairs. 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 2018-2019

First Year:
Marissa Bergthold, DDS – University of Utah School of Dentistry
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

Second 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

Third Year:
Brandyn Herman, DMD – University of Nevada Las Vegas
Lon Hinckley, DDS – University of Nebraska
Benjamin Noblitt, DMD – University of Connecticut

Fourth Year:
Tony Kang, DMD – University of Alabama at Birmingham
Wallace McLaurin, DMD – University of Mississippi
Alissa Pullos, DDS – University of Michigan

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, Program Coordinator
Department of Surgery
Section of Plastic, Reconstructive and Hand/Burn Surgery
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML0513)
Cincinnati, OH 45267-0461
513-558-4363
hohk@ucmail.uc.edu

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, Shriners Hospitals for Children Cincinnati 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 strength is our core value of teamwork, dedication to excellence and ability to work as a cohesive group. Two month-long institution 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 4th to 5th night. 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 earlier 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.

The Division of Plastic Surgery has initiated the use of the ACGME’s new “Milestones” program for the evaluation of residents. The residency program was reviewed by the ACGME in 2012 and received continued accreditation.
Conferences

Tuesday 5:00-6:00 p.m. – Plastic Surgery Curriculum Conference with Attending participation under direction of Dr. Ann Schwentker

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, Combined Ortho/Plastics conference last Friday of each month

Journal Club 6:30-8:30 p.m. – Last Thursday of each month

- Conference schedules will be published on a quarterly basis to allow for individuals to plan ahead. It is critical that everyone arrive at conferences prepared.

- Residents read the selected articles and review old in-service questions pertinent to each topic prior to 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 present formal Grand Rounds. Senior residents present four times a year while junior residents present three times per year.

- 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 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, and non-plastic-surgeon faculty.

Cadaver Lab

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

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.

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.
Plastic, Reconstructive and Hand Surgery Residents 2018-2019

Independent Program:
PGY-7: David Parizh, DO – New York College of Osteopathic Medicine
PGY-8: Elizabeth A. Lax, MD – St. John Providence
PGY-10 (Chief): Carole Villamaria, MD – University of Miami, Coral Gables

Integrated Program:
PGY-1: Joseph Easton, MD – Indiana University
PGY-2: Douglas Dembinski, MD – University of Cincinnati
PGY-3: Suma Yalamanchili, MD – University of Cincinnati
PGY-4: Brian W. Starr, MD – Wright State University
PGY-6 (Chief): Fernando Ovalle Jr., MD – Vanderbilt University

Residency Program in Urology

Courtney Plattner, MD, Program Director
Assistant Professor of Surgery

James F. Donovan, Jr., MD, FACS, Associate Director
Professor of Surgery
Chief, Section of Urology

Perri Wright, Program Coordinator
Department of Surgery
Section of Urology
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML0589)
Cincinnati, OH 45267-0589
513-558-0983
perri.wright@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, as well as an elective in Female Urology at West Chester Hospital. Three and one half years of adult urologic surgical training are complemented with six months of training in all forms of pediatric urologic 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. There they are exposed to the expertise of nationally known urologists and issues of managed care and reimbursement.

Conferences

The Pathology Conference at Veterans Affairs Medical Center complements a vigorous amount of time spent in courses devoted to pathology at the University. Other regularly held conferences include: Morbidity and Mortality, adult and pediatric radiology, didactic lectures, oral examinations of medical knowledge, adult and pediatric journal clubs, and a pediatric lecture series. Urology has a monthly tumor board meeting in conjunction with Interventional Radiology, Radiology, Oncology and Pathology. Indications Conference has been added to the weekly conference schedule under a new format.

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.

Urology Residents 2018-2019

First Year:
Michael Binner, MD – University of San Francisco
Daniel Lama, MD – University of California, Irvine

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

Third Year:
Engy Habashy, MD – University of Central Florida
Spencer Hill, MD – Wright State University

Fourth Year:
Jonathan Corbett, MD – Wright State University
Matthew Smith, MD – University of Louisville

Fifth Year:
Eric J. Fichtenbaum, MD – The Ohio State University
Jagan K. Kansal, MD, MBA – Indiana University School of Medicine
Honors and Awards (Residents):

Scholar in Urology Award:
Eric Fichtenbaum, MD

Outstanding Achievement Award:
Jagan Kansal, MD, MBA

Art Evans Award:
Eric Fichtenbaum, MD

Director’s Achievement Award:
Daniel Box, MD

Quality Improvement Team Award:
Lindsay Derus, DO; Jagan Kansal, MD, MBA; Eric Fichtenbaum, MD

Faculty Teaching Awards

Educator of the Year:
Pramod Reddy, MD – Cincinnati Children’s Hospital Medical Center

Pediatric Surgery Fellowship

Gregory M. Tiao, MD, Program Director
Professor of Surgery
Division Director, Pediatric General and Thoracic Surgery
Cincinnati Children’s Hospital Medical Center

Aaron P. Garrison, MD, Associate Program Director
Assistant Professor of Surgery
Division of Pediatric General and Thoracic Surgery
Cincinnati Children’s Hospital Medical Center

Leslie Grube, Program Coordinator
Pediatric General and Thoracic Surgery
Cincinnati Children’s Hospital Medical Center
3333 Burnet Avenue, MLC 2023
Cincinnati, OH 45229
513-803-9226
leslie.grube@cchmc.org

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 anorectal reconstruction.

The division of pediatric surgery includes 18 full-time pediatric surgeons, 6 PhD researchers, 18 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 33,500 cases performed annually. The emergency department evaluates over 92,000 patients each year. Each resident completes approximately 1,000 pediatric surgery cases during their residency. In addition to training the categorical pediatric surgery fellows (residents), the division offers year-long advanced training experiences in Trauma/Critical Care, Fetal Surgery, Colorectal Surgery, Vascular Malformations, 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 that we offer 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)
Transplant Selection/Management (weekly)
Pathology (Quarterly)

2017-2018 Visiting Professors

Henry Rice, MD
Yale University School of Medicine (Connecticut)
Pediatric Surgeon, Duke Health
Durham, North Carolina
“Splenectomy”

Pediatric Surgery Fellows, 2018-2019

Brian Englum, MD
MD – Johns Hopkins University School of Medicine
General Surgery Residency – Duke University

Christina Feng, MD
MD – University of Michigan Medical School
General Surgery Residency – Beth Israel Deaconess 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 and the Urogenital Center, Pediatric Surgery, Pediatric Nephrology, 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. 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**
- Haris Ahmed, MD
  Hofstra North Shore LIJ Health Systems
  (Urology Residency)
- Michael Daugherty, MD
  SUNY Upstate Medical University (Urology Residency)

**International Fellowship Program**

In addition to the ACGME accredited fellowship in Pediatric Urology, the Division of Pediatric Urology also sponsors a reconstructive urology fellowship program to train Pediatric Surgeons or Urologists who want to specialize in Pediatric Urology and return to their native country. This fellowship has either a one year or two year training period, and a strong emphasis on clinical Pediatric Urology with dedicated time for research and scholarly activities. We are currently hosting two international fellows:

- Nabeel Ismail, MD
  Faisalabad Medical University/Allied Hospital Faisalabad, Faisalabad, Punjab, Pakistan
- Uchenna Kennedy, MD
  Children’s Hospital of Philadelphia, Philadelphia, PA

**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

**Julian Guitron, MD, Associate Program Director**
Associate 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

The University of Cincinnati (UC) College of Medicine offers two training programs in cardiothoracic surgery.

**Traditional Program**

The traditional program provides three continuous years of clinical training in cardiothoracic surgery after applicants complete an ACGME-accredited general surgery residency, with one resident starting each year. Residents rotate on adult cardiac surgery at the UC Medical Center and TriHealth’s Good Samaritan Hospital, on general thoracic surgery at the UC Medical Center, and on pediatric cardiac surgery at Cincinnati Children’s Hospital Medical Center.

**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 is one of 26 in the country, with our first resident having started in July 2014. Our training programs provide education in all aspects of cardiothoracic surgery, with an emphasis on minimally-invasive procedures.

In collaboration with the Department of Surgery, residents rotate through general surgery, surgical oncology, transplant surgery, pediatric surgery, critical care, trauma surgery, cardiac surgery, thoracic surgery and congeni-
tal cardiac surgery during the first three years of the program to establish strong fundamentals of surgical practice. During the last three years, the program mirrors the traditional three-year program and 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 also gain experience with dedicated rotations in echocardiography, cardiac catheterization, and 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).

**Adult Cardiac Surgery**

Residents rotate on the adult cardiac surgery service at both the UC Medical Center and TriHealth’s Good Samaritan Hospital. They gain expertise in all aspects of cardiac surgery, including coronary artery disease, valvular heart disease, thoracic aortic disease and heart failure including heart transplantation, mechanical circulatory support and ECMO. The residents also gain a very unique experience with robotic cardiac procedures, including valve surgery and coronary artery bypass grafting, at Good Samaritan Hospital. Over 100 robotic cases are performed annually. In addition, residents gain experience and training in transcatheter aortic valve replacement (TAVR) and thoracic endovascular aortic repair (TEVAR).

**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) lobectomy for lung cancer, minimally-invasive esophagectomy, and robotic thoracic procedures. 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. They are exposed to the preoperative, intraoperative and postoperative care of children with congenital cardiac diseases, ventricular assist devices and heart and lung transplantation among several other complex conditions. Cincinnati Children’s Hospital Medical Center has a high profile as a leader in the management of cardiac problems in children including newborn corrective operations, management of complex single ventricle cardiac anomalies, and management of infants and children with severe heart failure. In addition, 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 ranks eighth in the nation for cardiology and heart surgery as measured by U.S. News & World Report 2018 Best Children’s Hospitals.

**Education**

The thoracic residency has a robust didactic program. A weekly cardiothoracic teaching conference covers all topics included in the Thoracic Surgery Core Curriculum and utilizes the Society of Thoracic Surgeons online 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, with 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 2018-2019**

**Integrated Cardiothoracic Residency Program**

**PGY1:**
James A. Miller, MD – University of Buffalo

**PGY2:**
James P. Bailey, MD – Michigan State University

**PGY3:**
Rachel A. Beaupre, MD – Wayne State University

**PGY4:**
Heather Palomino, MD – University of California - San Diego

**PGY5:**
Dennis Wells, MD – University of Arkansas

**Traditional Cardiothoracic Residency Program**

**PGY8:**
John M. Hance, MD – University of Florida

General Surgery Residency: University of Kentucky
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 one-year accredited fellowship in congenital cardiac surgery. We are one of only 12 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 400 cardiac surgeries annually and Cincinnati Children’s Hospital Medical Center ranks eighth in the nation for cardiology and heart surgery as measured by U.S. News & World Report 2018 Best Children’s Hospitals.

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

Current Fellow
David G. Lehenbauer, MD
MD: University of Oklahoma College of Medicine
General Surgery Residency: University of Texas Southwestern Medical School
Thoracic Surgery Residency: Johns Hopkins University

Abdominal Multi-Organ Transplant Fellowship Training Program

Tayyab S. Diwan, MD, Program Director
Associate 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 40 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 not only in the surgical aspect of transplantation, but 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
The University of Cincinnati Global Surgery Program is in its fourth 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 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. 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, endoscopic, 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.
Dr. Phylicia Dupree, 4th year surgical resident, with a post-mastectomy patient.

Dr. Young Kim (left), 4th year surgical resident, performs surgery at Mzuzu Central Hospital.

Dr. Charles Park, Assistant Professor of Surgery and Supervisor for the Global Surgery Rotation, reviews the anatomy of the inguinal hernia with the Malawian clinical officer in training and a Sudanese medical student.

Drs. Joceyln Logan (bottom left) and Peter Jernigan (top right), 4th year surgical resident, with the surgical team at Mzuzu Central Hospital.

Drs. Ken Davis (left) and Peter Jernigan perform surgery at Mzuzu Central Hospital.

View of sunset from Mzuzu Central Hospital in Malawi, Africa.
One Resident’s Global Surgery Experience

My two-month experience at Mzuzu Central Hospital has been humbling.

Malawi has a completely different breadth of treatment modalities compared to the American population. CT scans are rare, interventional radiology doesn’t exist, and blood tests are limited to complete blood counts and some electrolytes. Anticoagulation is too expensive for most Malawians, and sterile technique is often restricted by lack of soap and running water.

The disease processes in Africa are equally dissimilar. For example, on Friday’s morning rounds, we encountered the following:

- Sigmoid volvulus
- Jejunal perforation following road traffic accident, s/p small bowel resection
- Infected median celiotomy after resection of midgut volvulus
- Prostate adenocarcinoma, s/p palliative bilateral orchiectomy
- Reducible incisional hernia after multiple C-sections
- 10 cm abdominal aortic aneurysm (no vascular surgeon in the hospital)
- Small bowel evisceration (sat at home for two weeks before coming in)
- Left neck mass (likely lymphoma)
- Right femoral deep vein thrombosis
- Traumatic epidural hematoma with herniation and brain death
- Constipation masking as bowel obstruction
- Benign prostatic hyperplasia with urinary retention
- Severe traumatic brain injury, s/p open gastrostomy
- Subtotal mandibulectomy with 12th rib reconstruction
- Generalized peritonitis (waiting for days before surgery)
- Perforated gastric ulcer, s/p truncal vagotomy and pyloroplasty
- Typhoid enteritis and perforation, s/p ileal resection
- Urinary retention, s/p suprapubic catheter
- Severe traumatic brain injury (no head CT available)
- Left thigh melanoma, s/p wide local excision
- Bladder cancer with urinary retention
- Infected scalp laceration
- Brain mass
- Infant hydrocephalus (times four)
- Metastatic gastric cancer with gastric outlet obstruction
- Right thyroid mass, status post hemithyroidectomy (FNA isn’t readily available and Synthroid is too expensive)
- Ruptured esophageal varices secondary to portal fibrosis from schistosomiasis
- Open appendectomy
- Myelomeningocele (times two)
- Symptomatic left renal cyst, s/p open fenestration
• 56% TBSA burn from motorcycle accident
• 70% TBSA burn from motorcycle accident (likely infected)
• Phimosis
• Empyema in setting of extrapulmonary tuberculosis
• Hemoptysis in HIV-positive patient who is quadriplegic from spinal meningitis
• Necrotic right ear after traumatic laceration
• Traumatic right heel amputation after motorcycle accident, complicated by osteomyelitis
• Left breast painful sores (likely shingles)
• Distal gastric adenocarcinoma (resection keeps getting cancelled due to malignant hypertension)

And that’s just the surgical wards on a random Friday.

The people of Malawi are often described as warm and friendly, but I have found their greatest strength to be their resilience. Hospital wards are overcrowded and patients frequently sleep on the floors between other beds. Severe trauma, septic shock, and various cancers are mostly nonsurvivable. Nearly one in ten children will die before reaching the age of five. Undeterred by the insurmountable challenges before them, these people instill grit and a growth mindset amongst their children and each other.

This is frequently evidenced in the Malawian “culture” of physical pain, and how it differs from American standards. Any physician in the United States would argue that opioids are integral to postsurgical analgesia. In Malawi, however, most people don’t complain of physical pain unless they have developed peritonitis, and even then, they only briefly grimace on examination. Postoperative pain is managed predominantly with paracetamol and diclofenac. The opioids that have pervaded American culture are rarely found in this third-world country.

Despite the vast differences in culture and resources, over the course of two months in Malawi, my clinical skills have grown tremendously. I have learned to operate independently, logging over 100 major cases (including craniotomies). I’ve learned to regard physical examination more highly than diagnostic imaging. And, I’ve re-discovered the value of education through the minds of an eager clinical staff. Interns and clinical officers work endlessly to care for their people despite their long hours and meager compensation. The trainees and nursing students absorb each detail of clinical management as if each clinical pearl were a precious commodity.

Over the past two months, I truly believe that we did everything we could to care for these patients and educate the clinicians. But, in the end, I think it is we who walk away with the greatest benefits from this humbling experience.

Young Kim, MD
May-June 2018
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, the review of the imaging required to determine kidney selection, and the 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 and are 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 2017-2018

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.

2017-2018 Visiting Speakers

November 7-8, 2017
Tenth Annual Heekin Family Lectureship
David C. Mulligan, MD, FACS
Professor of Surgery
Chief, Section of Transplantation and Immunology
Director, Yale New Haven Transplantation Center
Transplant Grand Rounds: “Challenges of Liver Paired Exchange”
Surgical Grand Rounds: “Integrating Telemedicine into Health Care Delivery for the Transplant Population”

Transplant Surgery Fellows 2018-2019

First Year:
Ahmad Mirza, MD
General Surgery Residency – Monklands District General Hospital, Airdrie, Scotland, UK
Bhargava Mullapudi, MD
General Surgery Residency – University of Nebraska Medical Center, Omaha, NE

Second Year:
Amanda Bailey, DO
General Surgery Residency – West Virginia University, Morgantown, WV
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 78,000 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, ENT, thoracic surgery, obstetrics/gynecology and ENT. Daily multidisciplinary rounds are collaborative in nature, with input and discussion from all team members, including respiratory therapists, 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 worker. 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 Neurocritical 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. ECMO and LVAD are supported as well. The Pediatric Intensive Care Unit in the renowned Cincinnati Children’s Hospital Medical Center is a 36 bed multidisciplinary unit for children beyond the newborn age with over 2000 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 venous/veno-arterial ultrafiltration, and ECMO are available and employed as support modalities in the PICU.

Other venues for critical care education include the other adult units at UC Medical Center (Medical, and Adult Burns) and the pediatric Shriner’s Burn Institute. These can be arranged according to fellow interest and availability. Experience in trauma surgery is 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:

Ryan Earnest, MD
MD – Uniformed Services University of the Health Sciences
GS Residency – Wright State University/Wright Patterson AFB

Paul Vana, MD
MD – University of Oklahoma Health Sciences Center
GS Residency – Loyola University Medical Center
The education team at the University of Cincinnati Department of Surgery is committed to providing our residents with the best possible learning environment to ensure their future successes as surgeon leaders. In an effort to constantly examine and reexamine our curriculum and the methods in which we train and assess our residents, we have committed to a yearly education retreat, which in the past has been very helpful in identifying strengths and weaknesses as well as opportunities for the Department. With the introduction of the Next Accreditation System (NAS) and the milestone project, we felt that a more intense approach was necessary and the culmination of significant effort resulted in our inaugural retreat to Jackson Hole, Wyoming. This began conceptually as a think tank with shared ideas among the faculty and residents – both clinical and research. It quickly grew into something much more ambitious – a conference focused on Surgical Residents through all phases of their careers – medical school, residency, research, fellowship and early careers.
The Thursday evening discussion focused on “Redefining What It Means to be an Academic Surgeon” including topics such as becoming a “triple threat” and a national surgical leader, academic societies, and patient care. The Friday morning session centered on “Medical Student and Resident Education” the UC way and the University of Louisville way. Friday evening was spent discussing “Novel Teaching Techniques” such as incorporating new technologies, the global surgery elective, new ACGME resident case requirements, and the Stamm gastrostomy.

Saturday was dedicated to becoming a successful researcher. The morning session featured funded surgeon-scientists speaking on “Launching Your Investigative Career” with topics such as applying for grants, building the investigative team, and how to balance work and life. Evening sessions centered on advanced degrees, large database research, bench research and clinical trials.

Sunday sessions were dedicated to “Clinical Practice and Hot Topics in Surgery” such as starting an academic practice, the gender inequality gap, fostering optimism and emotional intelligence, networking in the world of academic surgery, and collaboration in healthcare systems for optimizing patient care. The conference concluded with an evening cocktail hour and closing remarks.

This year we are well underway for our 2019 retreat, which again will be held in Jackson Hole, Wyoming where we will again explore how to create the perfect training program and the most effective way to coach young surgery residents to become leaders and scholars in Surgery. It should be evident that this is our top priority both in terms of the residents we choose to train and the incredibly talented young men and women who are in our residency working to become true triple threat surgeons. We are committed to evolve the curriculum so that it continues to meet the needs of our trainees and continue to evolve the research experience so that our residents continue to gain entry into the most competitive fellowships and the best jobs. We feel strongly that a program that is not constantly looking to evolve and improve would soon be irrelevant during this dynamic time in medicine and graduate medical education.

The education team is committed to future retreats and will continue to use the venue to expand our understanding of the challenges that lay ahead for surgical residencies. We are fortunate to have this opportunity and know that it would not be possible without the passion and commitment of our Chairman Dr. Edwards, who considers the development of young men and woman into surgical leaders a moral obligation of the Department of Surgery.
Past Fellows:

2018  Anthony England, MD – Surgeon, St. Elizabeth Physicians
2018  Ian Ferries, MD – Surgeon, Naab Road Surgical Group, St. Vincent Indianapolis – Hospital & Health Care Center
2017  Gregory Day, MD – Trauma, Surgical Critical Care and Acute Care Surgeon, Memorial Hospital
2017  Joshua Person, MD - Assistant Professor, Trauma and Critical Care, UT Health
2016  Keshav Deshpande, DO – Trauma, Critical Care and Acute Care Surgeon, OhioHealth Grant Medical Center
2016  Stephanie Streit, MD – Volunteer Clinical Instructor, Department of Surgery, University of Cincinnati
2015  Kevin Christian, DO – Associate Trauma Medical Director, Acute Care Surgeon at Ferrell Duncan Clinic at Cox Health
2015  Alyssa Gans, MD – Assistant Professor of Surgery, Wright State Physicians
2014  D Anderson Millar, MD – Assistant Professor of Surgery, University of Cincinnati
2013  Kate Gazenko, MD – General Surgeon, Johnson Regional Medical Center
2013  Gina Maccarone, MD – General Surgeon, The Christ Hospital Health Network
2012  Jason Schrager, MD – Assistant Professor of Surgery, Medical Director Acute Care Surgery, University of Cincinnati
2012  Christina Williams, MD – Assistant Professor of Surgery, University of Cincinnati
2011  Matthew Moorman, MD – Associate Medical Director, Trauma Services at Ohio Health Grant Medical Center
2011  Christian Bulcao, MD – Study Physician, Samumed, LLC
2010  Gerald Fortuna, MD – Adjunct Assistant Professor of Surgery, Washington University of St. Louis
2010  Nichole Ingalls, MD – Surgeon, Northwest Surgical Specialists, LLP
2009  Rachael Callcut, MD – Assistant Professor of Surgery, University of California
2009  Rachel Hight, MD, Lt Col, USAF – Assistant Professor of Surgery, University of California Davis Medical Center
2008  Krishna Athota MD – Associate Professor of Surgery, Director Surgical Student Education, Program Director Surgical Critical Care Fellowship, University of Cincinnati
2008  Brian Leining MD – Director, Surgical Critical Care Service, Memorial Hospital

Urology Fellowship in Minimally Invasive Surgery

James F. Donovan, Jr., MD, FACS, Program Director
Professor of Surgery
Chief, Section of Urology
Associate Program Director

Krishnanath Gaitonde, MD, Program Co-Director
Associate Professor of Clinical Surgery
Chief of Urology, Cincinnati Veterans Affairs Medical Center

Perri Wright, Program Coordinator
Department of Surgery
Section of Urology
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML0589)
Cincinnati, OH 45267-0589
513-558-0983
perri.wright@uc.edu

The Section of Urology offers a fellowship program in Endourology, Laparoscopy and Robotic Surgery which is accredited by the Endourological Society and provides training in all aspects of minimally invasive urology to urologists who have completed a urology residency.

The program directors ensure that the fellowship meets all the requirements established by the Endourological Society. The fellowship maintains sufficient clinical volume with a variety of endourological experience while also providing a definable research focus with active and productive endourological basic science and bench projects.

Under the guidance of the Director and Co-Director, the fellow has graded surgical responsibility and is responsible for progressively more operative care of individual cases. The fellow is also responsible for preparation of teaching conferences for residents and staff, and actively participates in teaching residents and medical students.

Fellows maintain an online surgical log similar to that of residents. An example of index cases and their numbers are:

- Total Percutaneous Renal Procedures — 45 cases/2 years
- Total Ureteroscopy — 60 cases/2 years
- Total Laparoscopy — 60 cases/2 years

Applications must go through ERAS. Information on fellowship applications can be obtained through the Endourological Society at www.endourology.org.
Vascular Surgery Training Programs

Amit Jain, MD, Program Director
Assistant Professor of Surgery
Section of Vascular Surgery

George H. Meier, III, MD, FACS,
Associate Program Director
Professor of Surgery
Chief, Section of Vascular Surgery
Director, Vascular Services, UC Medical Center

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
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. In addition to a full standard operative caseload, all fellows perform open endovascular procedures during their fellowship and thus not only meet but also exceed credentialing standards for endovascular privileging. This fellowship offers a rare opportunity to become facile in both standard open surgical procedures, catheter-directed therapy for the treatment of vascular disease, as well as non-invasive vascular diagnostic laboratory training. Experience in out-patient venous interventions, dialysis access, and exposure to private practice in vascular surgery 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 in collaboration with other departments at the University to enhance the fellows’ understanding of vascular physiology, anatomy, embryology and pathology. In addition, a teaching session is held at the start of the academic year in the gross anatomy laboratory where the surgical anatomy of less frequently utilized operative exposures is reviewed. 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. UC had one of the first programs approved for such a two-year clinical fellowship.

The ACGME/RRC approval was based on the conventional and endovascular experience and the ability to obtain comprehensive non-invasive vascular lab training.

Current Vascular Surgery Fellow:
Anatoliy Shakh, MD
MD - St. George's University School of Medicine
General Surgery Residency - University of Buffalo

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. 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 will 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 at the primary hospitals (UC Medical Center and Veterans Affairs Medical Center); trauma; anesthesiology; critical care; plastic surgery; cardiac and thoracic surgery; and 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 Dialysis Access experience.

The final (chief resident) year will be dedicated to vascular and endovascular rotations only.

**Current Integrated Vascular Surgery Residents:**

Jose Oyama Moura Leite, MD (Fifth Year) – Universidade Federal do Rio de Janeiro (UFRJ) Faculdade de Medicina

Willythssa Pierre-Louis, MD (Fourth Year) – University of Connecticut School of Medicine

Steve Chausse, MD (Third Year) – St. George’s University

Pravitha Jayapratap, MD (Second Year) – University of Queensland

Douglas Rodgers, MD (First Year) – Tuft’s University School of Medicine

**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 Resident Conference)

Monthly, Non-Invasive Vascular Laboratory Noon Conference

Bi-Monthly, Vascular Project / Research Noon Conference

Monthly, Surgical Technique & Skills Laboratory

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**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

231 Albert Sabin Way (ML0513)

Cincinnati, OH 45267-0513

513-558-5367

lisa.evans@uc.edu

**Jenny Smith, Program Coordinator**

Podiatric Medicine & Surgery Residency Program

Podiatric Medicine & Surgery Clerkship

Department of Surgery, Division of Vascular Surgery

University of Cincinnati College of Medicine

231 Albert Sabin Way (ML0513)

Cincinnati, OH 45267-0513

513-558-8359

smith8j9@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:**

- **Casie Blanton, DPM** (Third Year) – Kent State University, College of Podiatric Medicine
- **Jordan Henning, DPM** (Third Year) – Kent State University, College of Podiatric Medicine
- **Lance Johnson, DPM** (Second Year) – Kent State University, College of Podiatric Medicine
- **Michael McGowan, DPM** (Second Year) – Kent State University, College of Podiatric Medicine
- **Michael Liette, DPM** (First Year) – Kent State University, College of Podiatric Medicine
- **Nathan Rossi, DPM** (First Year) – Kent State University, College of Podiatric Medicine

**Medical Student Education**

- **Krishna P. Athota, MD**, Director
  Surgical Student Education
  Associate Professor of Surgery
  Section of General Surgery

- **Joshua W. Kuethe, MD**, Associate Director
  Surgical Student Education
  Clinical Instructor of Surgery
  Section of General Surgery

- **Jonathan R. Snyder, MD**, Associate Director
  Surgical Student Education
  Assistant Professor of Surgery
  Section of Colon and Rectal Surgery

- **Bennie Patrick, Program Coordinator**
  Department of Surgery
  University of Cincinnati College of Medicine
  231 Albert Sabin Way (ML0558)
  Cincinnati, OH 45267-0558
  513-558-2134
  Bennie.Patrick@uc.edu

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 has been established to provide 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 4 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 have adopted 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. This 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 Health 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 industry 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, a Q&A session with audience response system, 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.
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
Program Coordinator
Center for Surgical Innovation (CSI)
Department of Surgery
University of Cincinnati
231 Albert Sabin Way
Cincinnati, OH 45267-0558
phone: 513-558-5044
fax: 513-558-2026
e-mail: heyljr@uc.edu
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.

- **Cincinnati CSTARS/TCCET**
  Trains the Tactical Critical Care Evacuation Teams (TCCET) that are responsible for medical care and evacuation in the far-forward area. This mission is flown on rotary or fixed wing platforms with one medical provider (MD or CRNA).

- **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.**
Leadership and Sustainment

In recognition of the substantial value and future growth potential of the IMM, the leadership of the department of surgery, the University of Cincinnati and its College of Medicine have outlined a growth and sustainment initiative to secure the long-term future of the IMM. Dr. Jay Johannigman has transitioned from his clinical responsibilities within the department of surgery to a more focused role as Director of the UC Institute for Military Medicine. The goal will be to oversee the continued growth and expansion of the work of the Institute with specific focus on broadening the reach of participation across the entire university campus. In addition, the IMM will seek to develop the necessary foundational support to assure the long-term stability of the Institute.

Community Outreach

Through partnership with existing programs in the community, including veterans’ organizations, museums, and private businesses, the UC Institute for Military Medicine works to educate the local and regional community on its progress and the benefits of its programs on the local and military communities. The IMM is privileged to advocate for the care of all injured patients from the battlefield to the home front.

Contact Information:

Jay A. Johannigman, MD
Professor of Surgery
Director, UC Institute for Military Medicine
513-558-5661
Jay.Johannigman@uc.edu

Additional information about the UC Institute for Military Medicine can be viewed at med.uc.edu/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, all-arterial myocardial revascularization, valve repair and replacement, aortic aneurysm repair, ventricular assist device implantation, and the region’s only heart transplantation program.

The division has the region’s most 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 cardiopulmonary failure can be placed on support at a referring hospital and transferred to the UC Medical Center.
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 leader in the management of cardiac problems in children, including newborn corrective operations, 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. Cincinnati Children’s Hospital Medical Center and the UC Medical Center offer an integrated adult congenital heart disease program which is accredited by the Adult Congenital Heart Association.

The division also performs lung transplantation. In addition, 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.


**Faculty**

**Adult Cardiac Surgery Faculty:**

**Louis B. Louis IV, MD, FACS**  
Associate Professor of Surgery  
Director, Division of Cardiac Surgery

**Alan Simeone, MD**  
Associate Professor of Surgery

**Loren F. Hiratzka, MD**  
Volunteer Associate Professor of Clinical Surgery

**Eric J. Okum, MD**  
Volunteer Associate Professor of Surgery

**Kathryn O’Keefe, MD**  
Adjunct Assistant Professor of Surgery

**Antonio Panza, MD**  
Associate Professor of Surgery

**Steven E. Park, MD**  
Volunteer Associate Professor of Clinical Surgery

**J. Michael Smith, MD**  
Adjunct Professor of Surgery

**Pediatric Cardiac Surgery Faculty:**

**David Morales, MD**  
Professor of Surgery  
Director, Congenital Heart Surgery  
Cincinnati Children’s Hospital Medical Center

**Roosevelt Bryant, III, MD**  
Assistant Professor of Surgery and Pediatrics

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

**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) lobectomy, minimally-invasive esophagectomy and robot-assisted thoracic surgery. 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 Institute’s Lung Cancer Center.

Through UC Health, the team launched in 2012 the first and only multidisciplinary lung cancer screening program for patients at increased risk for lung cancer. Lung
cancer screening with low-dose CT scans has been shown to decrease lung cancer mortality by 20% in those at higher risk for lung cancer. We have three dedicated coordinators, an integrated smoking cessation program, and 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 1,600 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.

Dr. Sandra Starnes offers special expertise in the treatment of mediastinal tumors, while Dr. Julian Guitron offers expertise in airway surgery for benign and malignant tracheal and bronchial diseases. We have established a multidisciplinary team for the evaluation and treatment of complex airway disorders which includes thoracic surgery, interventional pulmonary medicine, and otolaryngology. We are one of a few centers in the country that offers comprehensive evaluation of tracheobronchomalacia including surgical correction with tracheobronchoplasty.

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, early detection of lung cancer using blood samples, lung cancer screening with low-dose CT scans, and pain management strategies in thoracic surgery.

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.

Julian Guitron, MD
Associate Professor of Surgery

Dr. Guitron specializes in general thoracic surgery with a particular interest in lung and esophageal cancer, airway surgery, and minimally-invasive surgical approaches including robotics and navigational bronchoscopy. He 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 recently joined the division after completing his fellowship at MD Anderson Cancer Center. He 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.

Additional information on the section of cardiothoracic surgery can be viewed at med.uc.edu/surgery.
In Memoriam: John Flege Jr., MD

John Flege Jr., MD, emeritus professor of surgery who led the heart programs in Cincinnati from their infancy to their current status as among the best in the country, died Tuesday, March 20, 2018. He was 88 years old.

Dr. Flege was one of the founders of the University of Cincinnati heart transplant program in 1985. He also founded the cardiac surgery programs at Christ Hospital in 1969 and St. Elizabeth Hospital in 1983, and supported the Jewish Hospital program.

A native of Williamstown, Kentucky, Dr. Flege received his undergraduate education at the University of Kentucky. He was a 1954 graduate of the UC College of Medicine and, at the age of 63, earned his Juris Doctorate from the UC College of Law in 1992. He was admitted to the bar in 1993.

Dr. Flege completed his internship at Cincinnati General Hospital and began a surgical residency at Ohio State University Hospital until it was interrupted by two years in the U.S. Air Force (1956-1958). He completed his surgical residency at Cincinnati General Hospital and also did two years of cardio-thoracic and open-heart surgery training at Hammersmith Hospital in London. Following four years on the faculty at the University of Iowa, Dr. Flege returned to Cincinnati to practice. He was appointed to the College of Medicine faculty in 1982 as professor and also served as director of the division of thoracic and cardiovascular surgery at the University of Cincinnati Hospital (now the UC Medical Center) until 1987. He was named an emeritus professor in 2015.

Dr. Flege came to Cincinnati at a time when he was one of the earliest surgeons in North America to specialize in the discipline of modern cardiac surgery and at the same time our community was in need of heart surgeons of the highest technical skill and knowledge as well as impeccable character and integrity. Dr. Flege was such a surgeon, and he was somewhat of a “lone wolf” going into uncharted territory and attempting to generalize this new therapy while under extreme pressure and with a great sense of duty to obtain excellent outcomes. His track record in establishing this new surgery for coronary artery disease and training the next generation of heart surgeons was unsurpassed by anyone in the country.

To enhance the leadership of the division of cardiothoracic surgery at UC, Dr. Flege in 2001 endowed the John B. Flege Jr., MD, Chair in Cardiothoracic Surgery, which is now held by the Professor and Chief of the Section of Cardiothoracic Surgery, Sandra Starnes, MD.

Dr. Flege was the recipient of numerous awards, including the first Distinguished Surgeon Award from the Cincinnati Surgical Society in 2004 and the 2006 Lifetime Achievement Award from the Cincinnati Business Courier.
The Section of Colon and Rectal 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 Clifton and 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 endoscopic microsurgery (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 community as well as the UC Cancer Institute. These patients benefit from coordination of care across specialties, with surgery performed in a timely manner following neo-adjuvant treatment.

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 increase in patient satisfaction scores.

Janice F. Rafferty, MD
Professor of Surgery
Chief, Section of Colon and Rectal Surgery
Director, Section of Colon and Rectal Surgery, The Christ Hospital
Janice.Rafferty@uc.edu
513-929-0104
The team is currently the only group 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.

Faculty

Janice F. Rafferty, MD, FACS, FASCRS
Professor of Surgery
Chief, Section of Colon and Rectal Surgery
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.

Martha A. Ferguson, MD, FACS, FASCRS
Assistant Professor of Surgery

Dr. Ferguson specializes in evaluation and treatment of benign anorectal disorders and pelvic floor dysfunction. She sees patients in our Clifton and West Chester offices for a wide range of benign anorectal diseases including hemorrhoids, prolapse, fissure, fistula, abscess, and various skin conditions affecting the perineum. Dr. Ferguson is certified by the American Board of Colon and Rectal Surgery.

Ian M. Paquette, MD, FACS
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 an associate editor for the journal Diseases of the Colon and Rectum and is a board examiner for the American Board of Colon and Rectal Surgery. Dr. Paquette is certified by the American Board of Surgery and the American Board of Colon and Rectal Surgery.

Jonathan R. Snyder, MD
Assistant Professor of Surgery
Associate Director of Medical Student Education

Dr. Snyder specializes in proctology, benign and malignant colorectal disease, and minimally invasive surgery. 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
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 practices at The Christ Hospital and the UC Medical Center. He is certified by the American Board of Surgery.

More information about the section of colon and rectal surgery can be viewed at med.uc.edu/surgery.
The Section of General Surgery includes the divisions of West Chester Hospital (WCH) general and bariatric surgery, UC Medical Center (UCMC) general surgery, WCH trauma and acute care surgery, UCMC trauma surgery, UCMC acute care surgery, UCMC surgical critical care, and general surgery research. The members of the 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 gastroesophageal reflux disease (GERD), achalasia, and paraesophageal hernias; gallstones and gallbladder disease, abdominal wall hernias; diseases of the spleen; 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.

In partnership with the UC Health Weight Loss Center, our Bariatric Surgery Program continues to grow. The enhanced UC Health Weight Loss Center on the West Chester campus 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).

The bariatric team consists of surgeons, physician assistants, nurses, dietitians, fitness professionals, administrative assistants, and precertification/insurance specialists. This team works in close collaboration with internists, cardiologists, endocrinologists, orthopedic surgeons, gynecologists, neurosurgeons, gastroenterologists, plastic and reconstructive surgeons, physical therapists, pharmacologists and psychiatrists to provide a multidisciplinary medical support system for individuals to maximize success. 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. Our goal is to bring 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 1400 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).

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 4,000 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, neuro-intensivists, spine surgeons, facial trauma specialists, and anesthesiologists. The resuscitation and care of the trauma patient is led by one of 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).

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/](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. To date, we have trained more than 5,000 individuals in these life-saving techniques. More information is available at [http://uchealth.com/trauma/injury-prevention/](http://uchealth.com/trauma/injury-prevention/) and [http://www.bleedingcontrol.org/](http://www.bleedingcontrol.org/).
University of Cincinnati Medical Center Surgical Critical Care

The UCMC SICU consists of 34 adult beds with more than 2,000 monthly admissions from all surgical specialties including trauma, general surgery, transplantation, surgical oncology, vascular surgery, urology, thoracic surgery, and obstetrics/gynecology. Daily multidisciplinary rounds are 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 a Surgical Critical Care Fellowship that accepts two candidates for the completion of a one or two year ACGME-accredited program encompassing all aspects of care of the critically ill surgical patient. The 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.

General Surgery Research

Our research programs focus on the concept that key intervention early in the course of critical illness 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 serve as host to one of five 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 course is attended by members of the USAF Air Force's elite CCATT team members. These military medical personnel are responsible for the medical care and evacuation of the sickest casualties from far-flung locations throughout 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 the CCATT validation process. Five active duty Air Force trauma surgeons participate as fully integrated members 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
Director, Surgical Student Education
Program Director, Surgical Critical Care Fellowship
Associate Director, UCMC Surgical Critical Care

Dr. Athota specializes in general 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 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.

Brian J. Gavitt, MD, MPH, FACS
Assistant Professor of Surgery
Major, USAF MC
CSTARS Cincinnati

Dr. Gavitt specializes in military medicine, trauma and critical care surgery. He is certified by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

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 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.

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 is certified in surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Jay A. Johannigman, MD, FACS
Professor of Surgery
Director, UC Institute for Military Medicine

Dr. Johannigman specializes in general surgery with special interest in enterocutaneous fistulas, abdominal wall reconstruction, and hernia repair. He is certified in surgery by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Bobby J. (BJ) Johnson, MD
Instructor of Surgery

Dr. Johnson specializes in general and minimally invasive surgery. His primary practice sites are the Cincinnati Veterans Affairs Medical Center and UC Medical Center.

Joshua W. Kuethe, MD
Instructor of Surgery

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
Associate Director, General Surgery
Residency Training Program
Director, UCMC Trauma Surgery

Dr. Makley specializes in general surgery with special interests in gastroesophageal reflux disease (GERD), 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
Assistant Professor of Surgery
Director, WCH Trauma and Acute Care Surgery

Dr. Millar specializes in general 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
Assistant Professor of Surgery

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.

Timothy A. Pritts, MD, PhD, FACS
Professor of Surgery
Director, Section of General Surgery

Dr. Pritts specializes in general surgery with special interests in gallbladder and biliary disease, hernia repair, and abdominal wall reconstruction. He 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 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

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 and acute care surgery. She is certified in surgery by the American Board of Surgery.

Nurse Practitioners
Ashley Agnew, CNP
Olivia Gordon, CNP
Amber Lanich, CNP
Elizabeth Linz, CNP
Kathryn Moser, CNP
Chandra Rhodes, CNP
Jessica Straus, CNP
Sara Tompkins, CNP
Shaleen Williams, CNP

Further information on the section of general surgery can be found at http://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.

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

Faculty

Robert D. Marciani, DMD
Professor of Surgery
Chief, Section of Oral and Maxillofacial Surgery
Robert.Marciani@uc.edu
513-584-2586

Dr. Marciani specializes in orthognathic surgery, maxillofacial trauma, oral pathology, dento-alveolar surgery, oral implantology, and reconstructive jaw surgery. He is certified by the American Board of Oral and Maxillofacial Surgery.

Deepak G. Krishnan, DDS, FACS
Associate Professor of Clinical Surgery
Director, Residency Program in Oral and Maxillofacial Surgery

Dr. Krishnan specializes in surgical correction of facial deformities, surgery of tempo-mandibular 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.
Ryan J.C. Mirchel, DDS, MD
Clinical Instructor

Dr. Mirchel's clinical interests include temporomandibular joint surgery, minimally invasive and endoscopic maxillofacial surgery, facial trauma and reconstructive surgery, dental implant and grafting surgery, as well as orthognathic and functional cosmetic surgery.

Riddhi J. Patel, DMD
Clinical Instructor

Dr. Patel is joining the team following her training at Mount Sinai Health System and brings expertise in management of facial trauma, dento-alveolar surgery, TMJ surgery and implant surgery.

Volunteer Faculty:
Jimmie Harper, DDS
Randall Stastny, DMD
Babak Emami, DMD
Krishnamurthy Bonanthaya, MBBS, MDS, FDSRCS, FFDRCS

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:
Robert Horton, DDS
Dan J. Crocker, DDS

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, 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 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 procedures are routinely performed and include laparoscopic pull-through procedures for Hirschsprung’s disease, imperforate anus, inflammatory bowel disease, antireflux surgery, and lung resections.

The CCHMC Liver Transplant program is recognized as one of the premier pediatric liver transplant programs in the world, having transplanted over 600 children. The Kidney Transplant Program has transplanted over 550 patients.

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 $1.6 million.

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
Director, Pediatric Surgery Residency Program

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.

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

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

**A. Roshni Dasgupta, MD**
Associate 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.

**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
Associate 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
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.

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.

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 research interest is in intestinal stem cell research, which is NIH funded. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Todd Jenkins, PhD
Assistant 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.

Helen Jones, PhD
Assistant Professor

Dr. Jones’ research investigates placental insufficiency with a focus on developing a nanoparticle delivery method for placental treatment. Her novel observations of placental micropathologies in tissue from hypoplastic left heart syndrome (HLHS) cases have led to further research which is funded by an R01 from the National Institute of Child Health and Human Development.

Meera Kotagal, MD
Assistant Professor

Dr. Kotagal specializes in pediatric surgical oncology and neonatal surgery. Her research focus is global health. She is certified by the American Board of Surgery.

Foong-Yen Lim, MD
Associate 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.

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.
Jose L. Peiro, MD  
Associate 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.

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.

Nelson G. Rosen, MD  
Associate Director, Colorectal Center  
Pediatric Surgery Attending

Dr. Rosen specializes in congenital anorectal malformations, inflammatory bowel disease, neonatal critical care, and minimally invasive surgery. 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 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 R01 grant from the NIH.

Nikolai Timchenko, PhD  
Professor  
Leader of Liver Tumor Program

Dr. Timchenko specializes in liver biology. His work is supported by NIH funding and 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.

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.

Brian S. Pan, MD
Assistant Professor of Surgery

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.

John A. van Aalst, MD
Professor of Surgery
Cincinnati Children’s Hospital Medical Center

Dr. van Aalst specializes in long-term outcomes in cleft and craniofacial patients. He is certified by the American Board of Surgery and the American Board of Plastic 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:

Philip Chang, MD
Assistant Professor of Surgery

Dr. Chang specializes in burn treatment and reconstruction, with research interests in burn scar and inhalation injury. He is certified by the American Board of Surgery with a Certificate in Critical Care.

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.

Kevin P. Yakuboff, MD
Professor of Surgery Emeritus

Dr. Yakuboff specializes in microsurgical reconstruction of complex wounds, surgery of the hand, acute burn care and reconstruction, and brachial plexus reconstruction. He is certified by the American Board of Surgery and the American Board of Plastic Surgery with added qualification in surgery of the hand.

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 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.

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.

Steven T. Boyce, PhD
Professor of Surgery Emeritus
Director, Skin Substitute Laboratories, Shriners Hospitals for Children - Cincinnati

Dr. Boyce specializes in tissue engineering and skin substitute research.

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

Dwight R. Kulwin, MD
Clinical Instructor of Oculoplastic Surgery
Private Practice

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

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

Scott J. Rapp, M.D
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.
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 UC Health Barrett 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 breast, thyroid, parathyroid, adrenal glands and pancreas.
- 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 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.
- 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.
- 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.
- One of a few sites nationally to provide islet cell transplantation after total pancreatectomy.
- 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.

Faculty

Syed A. Ahmad, MD, FACS
Professor of Surgery
Chief, Section of Surgical Oncology
Co-Director, Pancreatic Disease Center
Associate Director, UC 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.

Michael J. Edwards, MD, FACS
Christian R. Holmes Professor of Surgery and Chairman, Department of Surgery, University of Cincinnati

Dr. Edwards specializes in the treatment of breast cancer. He is certified by the American Board of Surgery and fellowship trained in Surgical Oncology.

Jaime D. Lewis, MD
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
Assistant Professor of Surgery

Dr. Patel specializes in all aspects of surgical oncology. He is certified by the American Board of Surgery and fellowship trained in Surgical Oncology.

Elizabeth A. Shaughnessy, MD, PhD, FACS
Professor of Surgery

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
Professor of Surgery
Vice Chair for Education
Director, Residency Program in General Surgery

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.

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, immunosuppressive drug development, corticosteroid elimination, laparoscopic liver surgery, robotic-assisted surgery, dialysis access research, and the development of kidney exchange programs. The section performs over 225 kidney transplants and approximately 110 liver transplants per year.

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.

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). Our research programs also have vibrant basic and translational research collaborations in plasma cell biology and also in T cell biology, with an emphasis on memory T cell biology. Recent translational efforts have led to NIH funded projects designed to characterize rejection using single cell genomic profiling.
Kidney and Pancreas Transplantation

The section has performed more than 800 laparoscopic living donor nephrectomies and performs 100% of living-donor nephrectomies laparoscopically. Simultaneous kidney-pancreas, pancreas after kidney, and solitary pancreas transplants are performed by section faculty.

The section has developed clinical and research programs in transplant metabolic surgery that have led to the elimination of obesity as a barrier for kidney transplantation. The section has also developed a world-class immunosuppressive drug development program as well as clinical trials in the kidney, islet cell and pancreas transplant programs. Funded studies include several large multicenter trials with the University of Cincinnati as the flagship center. 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.

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.

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

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 outcome 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, immunosuppressive drug development, simultaneous calcineurin inhibitor avoidance/early steroid withdrawal, T cell receptor-mediated immune modulation, effector memory T cell therapies, and kidney exchange programs. He is certified by the American Board of Surgery.

Madison Cuffy, MD, MBA
Associate Professor of Surgery
Director, Kidney Transplantation, The Christ Hospital

Dr. Cuffy specializes in solid-organ (pancreatic, liver, and kidney) transplantation and hepatobiliary surgery. He is certified by the American Board of Surgery.
Tayyab Diwan, MD
Associate Professor of Clinical Surgery
Director, Kidney and Pancreas Transplantation, UC Health
Director, Transplant Surgery Fellowship

Dr. Diwan specializes in solid-organ (pancreatic, liver, and kidney) transplantation, metabolic weight loss surgery, hepatobiliary surgery and laparoscopic surgery. 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. He is certified by the American Board of Surgery.

Adele 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.

Latifa A. 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.

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

Simon Tremblay, PharmD, PhD candidate
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.
In Memoriam: J. Wesley Alexander, MD, ScD

J. Wesley Alexander, MD, emeritus professor of surgery who started the University of Cincinnati organ transplant program in 1967, died Saturday, July 7, 2018. He was 84 years old.

The UC Transplant Program Celebrated its 50th Anniversary on December 11, 2017. On December 11, 1967, a 36-year-old Cincinnati police officer named Ernest P. Harper made local medical history when he received a kidney in the first organ transplant performed at General Hospital (now UC Medical Center). Organ transplantation was still an experimental procedure in the 1960s, but Mr. Harper lived a long and happy life for more than 30 years thanks to the skilled care he received from Dr. Alexander.

Dr. Alexander was named the first director of the Division of Transplantation at UC in 1967, a position he held until 1999. In addition to performing the first local kidney transplant, Dr. Alexander joined Dr. David Melvin in performing the first adult heart transplant in Cincinnati in 1985. He also performed UC’s first combined kidney-pancreas transplant in 1970 and first liver transplant in 1986. Additionally, Dr. Alexander played key roles in the development of UC’s burn and surgical infectious disease programs. Even near the end of his career he was one of the busiest bariatric surgeons in the region.

A native of El Dorado, Kansas, Dr. Alexander received his medical degree from the University of Texas Medical Branch in Galveston in 1957 and a Doctor of Science degree from UC in 1964. He completed his internship and surgical residency at UC and General Hospital in 1964. Following two years of duty with the United States Army, Dr. Alexander completed a fellowship in immunology at the University of Minnesota and then returned to Cincinnati in 1967 to join the UC faculty as an assistant professor. He was named a professor in 1975 and became the inaugural holder of the William A. Altemeier Professorship in Research Surgery in 2000. He was appointed professor emeritus in 2008.

Widely known for his expertise in preventing surgical infections, especially in burn victims, he established one of the nation’s first surgical immunologic research laboratories. Known locally and internationally as a leader in transplantation, he also served as acting director of the Hoxworth Blood Center from 1972 to 1979; director of research at the Shriners Hospital for Children—Cincinnati; founder, president and medical director of the Ohio Valley Life Center from 1981 until 1999; and founder and president of the Ohio Valley Tissue and Skin Center from 1987 until 1992.

Among his most notable awards were the Harvey Stuart Allen Distinguished Service Award from the American Burn Association (1994), the George Rieveschl Award for Distinguished Scientific Research from UC (1996), the Daniel Drake Medal (1997) from the College of Medicine and the Distinguished Service Award from the Cincinnati Surgical Society (2005).

Dr. Alexander was active in many professional organizations, serving as president of the American Burn Association (1984-1985), the Surgical Infection Society (1986-1987) and the American Society of Transplant Surgeons (1988-1989), and as a member of the Board of Directors of the Halsted Society (1988-1991). He also served on numerous national committees, National Institutes of Health Study Sections and as a grant reviewer.

Dr. Alexander received NIH research grant funding for more than 35 years totaling nearly $10 million and an additional $2 million in industry grants. His research efforts resulted in seven U.S. patents between 1991 and 2001 and more than 700 published scientific papers.
The Section of Urology

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’s Dr. Sadhna Verma, an expert in 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.

Initially introduced at the West Chester Hospital, our CT-guided Percutaneous Thermal Ablation of Renal Tumors program has been expanded to include the UC Medical Center, working with the Department of Radiology Interventional group headed by Dr. Ross Ristagno. Many patients with small renal lesions can be monitored without treatment. In cases where a renal tumor changes in dimensions or morphology, patients may be treated effectively by thermal therapy using cryoablation to freeze or radiofrequency energy to heat the lesion, thereby avoiding more invasive open or laparoscopic operative procedures. CT imaging technology is used to guide a small needle through the skin and into the kidney to freeze cancerous tissue. Patients are typically discharged the day after surgery, with return to regular activity in two weeks.

James F. Donovan, Jr., MD
Professor of Surgery
Chief, Section of Urology
Associate Director, Urology Residency Program
Co-Director, Urology Fellowship Program
James.Donovan2@uc.edu
513-558-0983
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 video-urodynamics evaluation of voiding dysfunction for both men and women. This state-of-the-art evaluation provides a greater precision in identifying the cause of voiding symptoms and greater assurance that the proper treatment is chosen to fit the individual patient. Dr. Mahdy also offers a myriad of different treatment options (including non-invasive and minimally invasive) for voiding dysfunction, neurogenic bladder and other female pelvic floor disorders.

Dr. Abhinav Sidana completed his residency in Urology at the University of Cincinnati and then completed a fellowship in Urologic Oncology at the National Cancer Institute in Bethesda, Maryland. Since his return to the University of Cincinnati in 2017, Dr. Sidana has successfully established innovations in urologic cancer treatment. He 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 immediately worked diligently to revise the program curriculum, establish a wellness program, and enlist 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 with 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. 2 in the 2018-2019 list of Best Children's Hospitals published by U.S. News & World Report.

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**Faculty**

**James F. Donovan, Jr., MD, FACS**
Professor of Surgery
Director, Division of Urology
Associate Director, Urology Residency Program
Co-Director, Urology Fellowship Program

Dr. Donovan specializes in robot-assisted and other minimally invasive surgeries of the urologic patient, endourology, and management of urinary stone disease. He has been certified in general surgery by the American Board of Surgery and in urologic surgery by the American Board of Urology.

**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**
Associate 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.

**Ayman Mahdy, MD, PhD**
Associate Professor of Clinical Surgery
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.
Dhruti Patel, MD
Instructor of Clinical Surgery

Dr. Patel specializes in minimally invasive and robotic-assisted urologic surgery, female urology, and urologic oncology.

Nilesh Patil, MD
Associate Professor of Clinical Surgery
Director, Medical Student Education in Urology
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

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.

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

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:
Lisa Filipkowski, MD
Hari P. Kothegal, MD
Courtney Persinger, MD
Natalie Singer, MD
Safwat Zaki, MD

Additional information on the section of urology can be viewed at med.uc.edu/surgery.
The University of Cincinnati division of vascular surgery offers a full range of minimally invasive procedures and operates as a regional center for the treatment of complex vascular problems. The division performs standard vascular procedures for abnormal enlargement of arteries in the chest and abdomen, repair of previous aortic surgery, and bypass to bring blood flow around blocked arteries in the leg.

The doctors of vascular surgery offer treatment of vascular disorders at the University of Cincinnati (UC) Medical Center, West Chester Surgical Hospital, Cincinnati Department of Veterans Affairs Medical Center, the UC Health Physicians Medical Arts Office 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 section recently launched the UC Health Vein Center.

The newly launched Aortic Center, directed by Amit Jain, MD, has a vascular surgical team with a wide breadth of expertise, including endovascular, open, and laparoscopic repair techniques providing a variety of treatment options. The section of vascular surgery was one of the first academic vascular practices in this country to develop a formal program in endovascular surgery and remains a recognized leader in the clinical applications of this rapidly evolving field.

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. Dr. George Meier specializes in general vascular surgery, management of diabetic vascular disease, wound healing and stroke prevention.
Faculty

George H. Meier III, MD, FACS
Professor of Surgery
Chief, Section of Vascular Surgery
Director, Noninvasive Vascular Laboratory
Director, Division of Vascular Surgery
Associate Director, Vascular Surgery Residency Program

Dr. Meier specializes in the management of endovascular disorders, diabetic vascular disease, wound healing, and stroke prevention. He is board certified in General Surgery, General Vascular Surgery, and Surgical Critical Care.

Joseph S. Giglia, MD, FACS
Associate Professor of 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 & 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 General Surgery.

Sung Yang, MD
Instructor of Clinical Surgery

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 in vascular surgery, board certified in General Surgery, and is in the process of Vascular Surgery certification.
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
Suhail.Masadeh@uc.edu
513-558-8359

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.

Jared M. Maker, DPM
Instructor of Clinical Surgery
Dr. Maker has advanced fellowship training in all aspects of foot and ankle surgery including forefoot and rearfoot reconstruction, limb salvage, trauma, sports medicine, and total ankle replacement. His focus also includes all aspects of wound care, lower extremity pain, and diabetic foot care.

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.

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.
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 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 2-3 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 Surgery on 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 2017-2018

Jennifer E. Baker, MD (Mentor: Erich Gulbins, MD, PhD)
Lauren M. Baumann, MD (Mentor: Fizan Abdullah, MD, PhD, Chicago)
Ryan M. Boudreau, MD (Mentors: Erich Gulbins, MD, PhD; Michael Edwards, MD)
Alexander R. Cortez, MD (Mentor: Michael Helmrath, MD)
Vikrom K. Dhar, MD (Mentor: Shimul Shah, MD)
Andrew D. Jung, MD (Mentor: Timothy A. Pritts, MD, PhD)
Nick C. Levinsky, Jr., MD (Mentor: Hector Wong, MD)
Hannah V. Lewis, MD (Mentor: Basilia Zingarelli, MD, PhD)
Winifred M. Lo, MD (Mentor: Steven Rosenberg, MD, PhD, National Institutes of Health)
Grace E. Niziolek, MD (Mentor: Michael D. Goodman, MD)
Amanda M. Pugh, MD (Mentor: Charles C. Caldwell, PhD)
Leah K. Winer, MD (Mentor: Charles C. Caldwell, PhD)
2018 Resident Research Competition Awards

Department of Surgery Resident Research Awards for research presentations given at Surgical Grand Rounds on June 6, 2018.

Clinical Section:

Finalists include:

1. Ryan M. Boudreau, MD
2. Andrew D. Jung, MD
3. Winifred M. Lo, MD
4. Grace E. Niziolek, MD

Winner: Andrew D. Jung, MD: “Enhanced Recovery After Surgery: Can We Afford Not To Use It?”

Basic Science:

Finalists include:

1. Andrew D. Jung, MD
2. Amanda M. Pugh, MD
3. Grace E. Niziolek, MD
4. Leah K. Winer, MD

Winner: Amanda M. Pugh, MD: “Therapeutic Sphingosine Treatment is Antimicrobial and Enhances the Immune Response Resulting in Improved Survival”

Other Resident Research Awards 2017-2018

Jennifer E. Baker, MD
Aesthetic Surgery Education and Research Foundation’s Gasper W. Anastasi Award

Lauren M. Baumann, MD
International Pediatric Endosurgery Group Travel Award

Andrew D. Jung, MD
Second place, Resident Paper Competition, Ohio Chapter of the American College of Surgeons Resident Research Forum

Nick C. Levinsky, Jr., MD
Society of Thoracic Surgeons Looking to The Future Travel Award
Third place, Resident Paper Competition, Ohio Chapter of the American College of Surgeons Resident Research Forum

Hannah V. Lewis, MD
Shock Society Travel Award

Grace E. Niziolek, MD
Shock Society New Investigator Award Finalist
Shock Society Travel Award
University of Cincinnati Acute Care Research Resident of the Year Award
Winner, Ohio Committee on Trauma Resident Paper Award

Leah K. Winer, MD
Shock Society Travel Award
Full-Time Research Faculty

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

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

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

George F. Babcock, PhD
Professor Emeritus
PhD – University of Nebraska Medical Center, Omaha
Postdoctoral Training – Department of Microbiology and Immunology, University of North Carolina, Chapel Hill
Research Associate – Department of Microbiology and Immunology, University of North Carolina, Chapel Hill
Research Interests – Immunology as it relates to burns, trauma and infectious disease

Ambikaipakan Balasubramaniam, PhD
Professor Emeritus
PhD – University of Exeter, England
Postdoctoral Research Associate, Departments of Surgery and Pharmacology & Cell Biophysics – University of Cincinnati Medical Center
Postdoctoral Research Associate – University of Illinois, Chicago
Postdoctoral Research Associate – University of Iowa
Research Interests – Pharmacology of neurogastrointestinal hormones in feeding and GI disorders

Steven T. Boyce, PhD
Professor Emeritus
BA and PhD – University of Colorado in Boulder
Post-doctoral – University of California San Diego Medical Center
Research Interests – Tissue engineering and cell biology

Additional information on the section of basic and translational science can be viewed at med.uc.edu/surgery.
Annual Faculty/Resident Ball Game & Picnic 2018

Faculty: 6  Residents: 5
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.