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.

http://surgery.uc.edu
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Letter from the Office of the Chair

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 eighth year as Chair with a sense of pride knowing our greatest achievements are ahead.

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 medicine and 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 and logical pathways for clinically relevant discovery and scholarship. The pursuit and achievement of excellence on behalf of a department of surgery ultimately yields 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 department. 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 destiny on behalf of faculty and residents alike.

We take pride in providing a superior surgical education. Our faculty participates in training over 170 medical students each year, while our clinical divisions sponsor 12 graduate medical education resident and fellow programs that encompass 96 residents and fellows, including 4 clinical fellows and 2 research fellows. We have over 180 faculty who work hard to advance the art and science of surgery, supported by over 185 support staff. Our trainees regularly attain the most competitive fellowships and jobs, perhaps the most important indicator of our training success.
Dr. Bradley Davis, 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 more meaningful 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. Great contemporary surgical training emphasizes a paradigm of surgical education principles which recognize the following:

- The historical model of case based proficiency is now inadequate to meet the needs of every resident.
- A more varied learning style requires a more individually tailored curriculum for clinical skills acquisition.
- Surgical education can no longer be “accidental” but must become “deliberate” and progress along a series of targeted milestones.
- More formal skills assessment tools are now required.

We believe our faculty and senior residents are poised to lead the way in surgical education. This confidence in our contemporary success is based on both our historical success and our willingness to adopt new and 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 technical skills needed for efficient learning. We are also conducting funded research into what factors must be addressed for success in residency.

In addition to myself, the Office of the Chair comprises the Vice Chair for Education (Bradley Davis, MD), the Vice Chair for Research (Alex Lentsch, PhD), the Vice Chair for Faculty Development (Timothy Pritts, MD), the Vice Chair for Finance and Compensation (Jeffrey Sussman, MD), and the 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 significantly over recent years. I urge you the reader to review each sectional report contained herein to get a sense of our core strengths. The Fiscal Year 2015 operating budget for the Department of Surgery was approximately $51 million. Of our total budget, $42 million was committed to serving our patient care mission. More than 19,000 new patients sought the care of our surgical specialists during this past year, resulting in nearly 14,600 surgical procedures. Approximately $6.5 million (13%) of our annual budget was dedicated to our research activities.

And finally I ask you the reader to 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.
### UC Department of Surgery Organization Chart

#### Office of the Chair:
- **Michael J. Edwards, MD** – Chairman
- **Jeffrey J. Sussman, MD** – Vice Chair for Finance & Compensation
- **Timothy A. Pritts, MD, PhD** – Vice Chair for Professional Development
- **Bradley R. Davis, MD** – Vice Chair for Education
- **Alex B. Lentsch, PhD** – Vice Chair for Research
- **J. Taliesin Richards** – Executive Director of Business Affairs

#### Section of Cardiothoracic Surgery
- **Sandra Starnes, MD** – Chief
- **Louis Louis, MD** – Director
- **Sandra Starnes, MD** – Director

#### Division of Cardiac Surgery
- **Louis Louis, MD** – Director

#### Division of Thoracic Surgery
- **Sandra Starnes, MD** – Director

#### Section of Colon & Rectal Surgery
- **Janice Rafferty, MD** – Chief

#### Section of General Surgery
- **Michael J. Edwards, MD** – Interim Chief
- **Division of General Surgery, UC Medical Center**
  - **Timothy Pritts, MD, PhD** – Director
- **Division of General Surgery, West Chester Medical Center**
  - **Brad Watkins, MD** – Director

#### Section of Basic and Translational Science
- **Charles Caldwell, PhD** – Chief

#### Section of Surgical Oncology
- **Syed Ahmad, MD** – Chief

#### Section of Transplantation
- **E. Steve Woodle, MD** – Chief
- **Division of Kidney & Pancreas Transplantation**
  - **E. Steve Woodle, MD** – Director
- **Division of Liver Transplant & Hepatobiliary Surgery**
  - **Shimul Shah, MD** – Director

#### Section of Urology
- **James Donovan, MD** – Chief

#### Section of Vascular Surgery
- **George Meier, MD** – Chief
- **Division of Pediatric Medicine & Surgery**
  - **Cary Copeland, DPM** – Director
- **Division of Vascular Surgery**
  - **George Meier, MD** – Director

#### Section of Oral & Maxillofacial Surgery
- **Robert Marciani, DMD** – Chief

#### Section of Trauma, Critical Care, and Acute Care Surgery
- **Jay Johannigman, MD** – Chief

#### Affiliates:
- **Gregory Tiao, MD** – Chief of General and Thoracic Surgery, Cincinnati Children's Hospital
- **David Fischer, MD** – Director of Medical Student Development, The Christ Hospital
- **Donald Reed, MD** – Director of General Surgery Education Program, Lutheran Hospital, Fort Wayne, IN
- **Michael Canady, MD** – Chief of Surgery, Holzer Clinic
- **Mark Molloy, MD** – Chief of Surgery, Veterans Affairs Medical Center
Our education missions are to:

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- 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 695-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 in 2011.

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 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 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 8,000 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 269-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, vascular, surgical weight loss and surgical oncology.

Vontz Center for Molecular Studies

The Vontz Center for Molecular Studies is one of the most advanced facilities in the nation for the study of cancer and neuroscience. The UC Department of Surgery sponsors several laboratories in this facility, with focus on cancer and cell biology. A dedicated pre-clinical imaging center and comprehensive tumor banking program recently opened in the building.
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.

CARE/Crawley and Medical Sciences Building

The Medical Sciences Building is the main administrative and laboratory facility of the College of Medicine. The Department of Surgery operations housed in this building include the Chairman's office, faculty academic offices, teaching facilities, and laboratories.

UC Health Physicians Office Clifton

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

UC Health Physicians Office North

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

UC Health West Chester Hospital

UC Health West Chester Hospital is a 160-bed acute care hospital in West Chester, Ohio, providing the latest technology delivered in a healing environment. The hospital recently announced plans to build a new patient tower which will increase the total bed complement to 300 when completed in 2016. 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, 356-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 243-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.

Lutheran Hospital

Lutheran Hospital is a 396-bed tertiary care facility located in Ft. Wayne, Indiana. Lutheran's areas of specialized care include northern Indiana's only heart and kidney transplant programs, an accredited bariatric surgery center, Level II verified adult and pediatric trauma centers, an accredited and commended community hospital cancer care program and a certified primary stroke center.
History of the Department

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 Klatskin. 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 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 since 2003. 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 is involved in outcomes-related studies involving videoendoscopic 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 recently became the first Chair of Surgery at the University of Florida in Jacksonville.

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.
The Office of Education

Bradley R. Davis, MD – Vice Chair for Education, and Director, Residency Program in General Surgery. Dr. Davis assumed this post on June 1, 2010, 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.

Michael D. Goodman, MD – Associate Director, Residency Program in General Surgery. Dr. Goodman has brought considerable expertise in assessment and professional development of the surgical residents. He is responsible for curriculum mapping and coordinating personnel with education opportunities.

Jocelyn M. Logan, MD – Associate Director, Residency Program in General Surgery. Dr. Logan is an outstanding educator whose focus is on mentoring first-year residents and the R1 bootcamp. She is the director of the Global Health rotation and has brought her passion and expertise to creating this incredible opportunity for our residents in Mzuzu, Malawi, Africa.

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 the past three Department of Surgery Outstanding Educator Awards as voted by general surgery residents.

Jaime D. Lewis, MD – Associate Director, Surgery Student Education. Dr. Lewis provides additional leadership to the Surgery Student program.
Administrative Team

Gilda Young, Residency Coordinator
Manager, Office of Education

Debbie Browne, Assistant Residency Coordinator
Bennie Patrick, Surgery Medical Student Coordinator
Heather Muskopf, Administrative Assistant
The Office of Education

The Education team has made many significant accomplishments including:

• Implementing the Next Accreditation System in conjunction with the Clinical Competency Committee and Program Evaluation Committee.

• Implementing the American Board of Surgery’s SCORE portal, a tool to model educational objectives and introduce uniform curricula across all departments of surgery.

• 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 templates with milestone mapping.

• On-going development of an operative assessment app for use in real time evaluation and feedback.

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 monopoly on 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 the best fellowships in the most competitive specialties in 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.

Graduate Medical Education

The Department of Surgery sponsors graduate medical education programs in 12 surgical specialties which encompass 100 residents and fellows. The following lists these resident and fellowship programs:

Resident Programs (82):

• General Surgery (46)
• Oral and Maxillofacial Surgery (11)
• Plastic, Reconstructive and Hand Surgery (9)
• Podiatric Medicine and Surgery (5)
• Thoracic Surgery (2)
• Urology (8)
• Vascular Surgery (4)

Fellowship and Advanced Training Programs (18):

• Minimally Invasive Urology (0)
• Pediatric Surgery (2)
• Pediatric Surgery Subspecialty (4)
• Pediatric Urology (2)
• Pediatric Urology – International (non-accredited) (2)
• Thoracic Surgery (1)
• Transplant Surgery (2)
• 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 Department of Surgery has a distinguished history of educating its graduates to be leaders in surgery. Our commitment to excellence in patient care, education and advancement of knowledge in the surgical sciences creates an environment in which surgical training can flourish.
Residents complete their training programs with exceptional breadth and depth of experience in their specialty.

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

- University Hospital
- Veterans Affairs Medical Center
- The Christ Hospital
- Cincinnati Children’s Hospital Medical Center
- Shriners Burns Hospital Cincinnati
- Holzer Clinic, Gallipolis, Ohio
- University Pointe, West Chester
- West Chester Hospital
- Lutheran Hospital, Fort Wayne, Indiana
- 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:**

Surgical Stapling
Introduction to General Surgery (R1 Boot Camp)
Advanced Operative Skills
Basic Laparoscopy
Advanced Laparoscopy
Fundamentals of Laparoscopic Surgery
Trauma Surgery Simulation
GI Anastomosis
GI Surgery Simulation
Hepatobiliary and Pancreatic Surgery
Laparoscopic Colectomy

Advanced Surgical Skills for Exposure in Trauma (ASSET)
Fundamentals of Endoscopic Surgery (FES – GI Mentor)

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 two institutional training grants (T32 awards) from the National Institutes of Health (NIH) in trauma and gastrointestinal surgery.

### 2014-2015 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 2014-2015, we had the privilege of hosting 10 Visiting Professors:

**September 17, 2014**
Fourth Annual Alexander Visiting Professor
Alvin E. Roth, PhD
Nobel Prize in Economics Laureate
Craig & Susan McCaw Professor of Economics, Stanford University
Gund Professor of Economics Emeritus, Harvard University
Surgical Grand Rounds: “Application of Market Design Principles for Kidney Exchange”
Special Lecture, UC College of Medicine: “Design of Markets for the National Residency Matching Program”

**November 19, 2014**
Eighteenth Annual Collins Visiting Professor
Craig M. Coopersmith, MD
Professor of Surgery
Director, Surgical Intensive Care Unit
Associate Director, Emory Center for Critical Care
Vice Chair for Research, Department of Surgery
Emory University School of Medicine
Surgical Grand Rounds: “Sepsis in 2014: Challenges and Opportunities”

**February 18, 2015**
Twelfth Annual Kempczinski Visiting Professor
K. Craig Kent, MD
A.R. Curreri Professor and Chairman
Department of Surgery
University of Wisconsin School of Medicine and Public Health
Surgical Grand Rounds: “Future of Surgical Research”
April 8, 2015
Third Annual Flege Visiting Professor
Cameron D. Wright, MD
Professor of Surgery, Harvard University
Associate Chief, Division of Thoracic Surgery
Massachusetts General Hospital
Surgical Grand Rounds: “Unusual Airway Pathology: Surgical Management of Idiopathic Laryngotracheal Stenosis and Tracheomalacia”

April 15, 2015
Fifteenth Annual Fischer Professorship
Lewis M. Flint, MD
Editor-in-Chief, Selected Readings in General Surgery
Division of Education, American College of Surgeons
Adjunct Professor of Surgery, Northwestern University - Feinberg School of Medicine
Surgical Grand Rounds: “Trauma Systems: Where Are We? Where Do We Need To Be?”

April 29, 2015
Seventeenth Annual Barrows Visiting Professor
Raphael Pollock, MD, PhD
Professor and Director, Division of Surgical Oncology
The Ohio State University
Chief of Surgical Services, James Comprehensive Cancer Center
Surgical Grand Rounds: “Contemporary Issues in Soft Tissue Sarcoma”

May 13, 2015
First Annual Hummel Visiting Professor
Per-Olof Hasselgren, MD, PhD
George H.A. Clowes Professor of Surgery
Harvard Medical School
Vice Chairman - Research
Director of Endocrine Surgery
Beth Israel Deaconess Medical Center
Surgical Grand Rounds: “The Follicular Variant of Papillary Thyroid Cancer – Is It Always Cancer?”

May 20, 2015
Fifth Annual Mont Reid Surgical Society Visiting Professor
Michael S. Nussbaum, MD
Methodist Medical Center Professor
Program Director and Chief, Division of General Surgery
University of Florida College of Medicine - Jacksonville
Surgical Grand Rounds: “A History of the University of Cincinnati Department of Surgery”

May 27, 2015
Eighteenth Annual McDonough Visiting Professor
Mary E. Fallat, MD
Hirikati S. Nagaraj Professor of Surgery
Chief, Division of Pediatric Surgery, University of Louisville
Surgeon-in-Chief, Kosair Children’s Hospital, Louisville, KY
Surgical Grand Rounds: “Resuscitation Challenges in Pediatric Surgery and Trauma Patients”

June 3, 2015
Sixteenth Annual Altemeier Visiting Professor
Donald E. Fry, MD
Executive Vice-President, Clinical Outcomes Management, Michael Pine & Associates
Adjunct Professor of Surgery, Northwestern University
Surgical Grand Rounds: “Composite Measurements of Surgical Outcomes”

In addition to the named visiting professorships, the Department has been privileged to host a number of distinguished lecturers:

2014-2015 Guest Lecturers:

October 1, 2014
Surgical Oncology Visiting Professor
Pat W. Whitworth, MD
Breast Surgical Oncologist and Director, Nashville Breast Center
Associate Clinical Professor of Surgery, Vanderbilt University
Chair, Oncoplastic Surgery Committee, American Society of Breast Surgeons
Surgical Grand Rounds: “Breakthroughs in Genetics and Genomics: The New Era in Medicine and Oncology”

November 5, 2014
Heekin Family Lectureship – Hosted by Division of Transplantation
George E. Loss, Jr., MD, PhD
Associate Medical Director and System Chairman
Department of Surgery, Ochsner Medical Center
Chief, Ochsner Multi-Organ Transplant Institute
Director, Ochsner Liver Transplant Program
Surgical Grand Rounds: “The Pursuit of Value in Transplantation”
Residency Program in General Surgery

Bradley R. Davis, MD, Program Director
Associate Professor of Surgery
Section of Colon and Rectal Surgery
Vice Chair for Education

Michael D. Goodman, MD, Associate Director
Assistant Professor of Surgery
Section of Trauma, Critical Care, and Acute Care Surgery

Jocelyn M. Logan, MD, Associate Director
Assistant Professor of Surgery
Section of General Surgery

Amy T. Makley, MD, Associate Director
Assistant Professor of Surgery
Section of Trauma, Critical Care, and Acute Care Surgery

Gilda Branson Young, Office Manager & Program Coordinator
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Debbie Browne, Assistant Residency Coordinator
513-558-5862
brownedm@ucmail.uc.edu
Department of Surgery
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML0558)
Cincinnati, OH 45267-0558

Residency education in General Surgery comprises five clinical years, with 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 Medical Center.

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, as well as at Lutheran Hospital in Fort Wayne, Indiana.
In the fifth year, Chief Residents lead general surgery teams at University Hospital, general and colorectal surgery services at Christ Hospital, and the general surgery teams at the VAMC. University Hospital provides extensive experience in gastrointestinal disease, hepatobiliary disease, pancreatic disease, colorectal surgery, surgical oncology and endocrine surgery. Residents at 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 care for general, colorectal and thoracic surgery patients.

**General Surgery Residents 2014-2015**

**Graduating Chief Residents:**

Ritha M. Belizaire, MD – University of Texas – Joined faculty in General Surgery, Montefiore Medical Center, Bronx, NY  
Charles R. Cole, MD – University of Arkansas – Entered Cardiothoracic Fellowship, University of Colorado, Denver, CO  
Brian D. Henry, MD – University of Cincinnati – Joined faculty of General & Bariatric Surgery, University of Vermont, Burlington, VT  
Heather L. Lewis, MD – University of Miami – Entered Surgical Oncology Fellowship, The Ohio State University, Columbus, OH  
Rachael L. Nemcic, MD – University of Cincinnati – Entered US Air Force at Nellis Air Force Base, Las Vegas, NV  
Jaime A. Pineda, MD – Universidad Libre de Colombia – Joined faculty in Transplantation, University of Vermont, Burlington, VT  
Priya S. Prakash, MD – University of Cincinnati – Entered Trauma/Critical Care Fellowship, University of Pennsylvania, Philadelphia, PA

**General Surgery Residents 2015-2016**

**First Year:**

Jennifer E. Baker, MD – Thomas Jefferson University  
Jonathan J. Corbett, MD (Urology) – Wright State University  
Alexander R. Cortez, MD – University of Cincinnati  
Gillian R. Goddard, MD – University of Texas at Houston  
Nick C. Levinsky, Jr., MD – University of Cincinnati  
Hannah V. Lewis, MD – University of Cincinnati  
Matthew C. Smith, MD (Urology) – University of Louisville  
Brian Starr, MD (GS+PL) – Wright State University  
Leah K. Winer, MD – Thomas Jefferson University

**Second 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  
Grace E. Martin, MD – University of North Carolina at Chapel Hill  
Amanda M. Pugh, MD – East Carolina University  
Christopher van Belle, MD (GS+PL) – Thomas Jefferson University

**Research:**

Alex L. Chang, MD – Baylor College of Medicine  
Stacey L. Doran, MD – Vanderbilt University  
Phyllicia D. Dupree, MD – Howard University  
Audrey E. Ertel, MD – Jefferson Medical College  
Richard S. Hoehn, MD – University of Cincinnati  
Benjamin R. Hube, MD – University of Nebraska  
Paul T. Kim, MD – University of Iowa  
Peter L. Jernigan, MD – University of Alabama  
Young Kim, MD – University of Cincinnati  
Winifred M. Lo, MD – Northwestern University  
Meghan C. Nolan, MD – State University of New York at Buffalo  
Teresa C. Rice, MD – Case Western Reserve University  
Aaron P. Seitz, MD – University of Cincinnati  
Brent T. Xia, MD – Thomas Jefferson University

**Third Year:**

Sarah J. Atkinson, MD – University of Illinois  
Christopher M. Freeman, MD – University of Cincinnati  
Anthony J. Hayes, MD – University of Cincinnati  
Lindsey R. Klingbeil, MD – University of Cincinnati  
Joshua W. Kuete, MD – University of Cincinnati  
Emily Midura, MD – Thomas Jefferson University  
Fernando Ovalle, MD (GS+PL) – Vanderbilt University
Fourth Year:
M. Aaron Beckwith, MD – East Tennessee State University
Bobby L. Johnson, MD – University of Cincinnati
J. Leslie Knod, MD – University of Arkansas
Jeffrey M. Sutton, MD – University of Cincinnati
Ashley E. Walther, MD – Loyola University
Carey L. Watson, MD – Texas Tech University
Gregory C. Wilson, MD – University of Louisville

Chief Year:
Alice King, MD – Tufts School of Medicine
Steven G. Miller, MD – Northwestern University
R. Cutler Quillin, MD – University of Cincinnati
Megan A. Stevenson, MD – University of Cincinnati
Sung Yang, MD – University of Arkansas

Honors and Awards 2014-2015

Faculty:
Syed Ahmad, MD
Recipient of the 2015 Dean’s Award for Teaching Excellence from the UC College of Medicine.

Krishna P. Athota, MD
Winner of 2015 Department of Surgery Outstanding Educator Award. This is Dr. Athota’s third consecutive award.

Bradley R. Davis, MD
Recipient of the 2015 Graduate Medical Education Award for Excellence from the UC College of Medicine.

Kenneth Davis, Jr., MD
Winner of the Exemplary Physician Award given by UC Medical Center at Doctors’ Day 2015.

Rank O. Dawson, Jr., MD
Inducted into Alpha Omega Alpha (AOA) Honor Medical Society as alumni member at the UC College of Medicine.

David R. Fischer, MD
Winner of the UC College of Medicine Class of 2015 Gold Apple Award. This is Dr. Fischer’s ninth consecutive Gold Apple.

Shrawan G. Gaitonde, MD
Top-ten finalist for the American College of Surgeons 2014 Resident Award for Exemplary Teaching.

W. John Kitzmiller, MD
Named President of the American Council of Academic Plastic Surgeons in April 2015, serving a one year term as President of that organization.

Timothy A. Pritts, MD, PhD
Named as an Examination Consultant for the Trauma, Burns, and Critical Care Board of the American Board of Surgery.

Appointed as the Association for Academic Surgery representative to the Board of Governors of the American College of Surgeons.

Janice F. Rafferty, MD
Inducted into Alpha Omega Alpha (AOA) Honor Medical Society as faculty member at the UC College of Medicine.

Shimul A. Shah, MD
Winner of the Impact Award given by UC Medical Center at Doctors’ Day 2015.

Residents:
Sarah J. Atkinson, MD
Finalist, Clinical Section, Department of Surgery Resident Research Award, 2014-2015.

Finalist, Basic Science Section, Department of Surgery Resident Research Award, 2014-2015.

Charles R. Cole, MD
Inducted into Alpha Omega Alpha (AOA) Honor Medical Society as a resident at the UC College of Medicine.

Finalist for the Society of Laparoendoscopic Surgeons Resident Achievement Award.

Audrey E. Ertel, MD
Finalist, Clinical Section, Department of Surgery Resident Research Award, 2014-2015.
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, symposia, 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
Chairman of the Department: Michael J. Edwards, MD
Editor of the Newsletter: John J. McDonough, MD
Administrator: Gilda Branson Young (gilda.young@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 accreditation in February 2011, 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.

An optional educational track is available for the M.D. degree. To qualify, the candidate must pass Part I of the National Medical Licensing Exam to enter the third year of medical school at the University of Cincinnati after first completing the four-year oral and maxillofacial surgery residency program. Candidates must then complete the third and fourth year of medical school, plus one year of internship.

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 5 months with emphasis on pediatric anesthesia, while some rotations such as the cleft lip and palate surgery rotations in India are more superficial 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. In 2014-15, oral and maxillofacial surgery residents and faculty presented their research findings at the national meetings of the American Association of Oral and Maxillofacial Surgeons (AAOMS) and the International Association of Dental Research (IADR).

Currently, residents are engaged in research pertaining to the genetics of personalized post-operative analgesia, auto-tooth transplantation and biomechanical property analysis of hardware used in facial reconstructive surgery. In addition, UC’s section of oral and maxillofacial surgery is the seat of a national registry sponsored by the AAOMS and is actively collecting prospective data through a Practice Based Research Network (PBRN). In addition, UC has been chosen to be a pilot center for implementing a simulation curriculum in training oral and maxillofacial surgeons in office-based anesthesia related emergencies.

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.

The residency program is due for an accreditation site visit in February of 2016.

Oral and Maxillofacial Surgery Residents 2015-2016

**First Year:**
- Todd Jacobs, DMD – University of Louisville
- Tony Kang, DMD – University of Alabama at Birmingham
- Wallace McLaurin, DMD – University of Mississippi
- Alissa Pullos, DDS – University of Michigan

**Second Year:**
- Jordan Diamond, DMD – University of Nevada Las Vegas
- Albert Kang, DDS – University of Iowa
- Amanda Steen, DMD – University of Nevada Las Vegas

**Third Year:**
- Alexander Musser, DMD – University of Louisville
- Gregory H. White, DDS – SUNY Buffalo

**Fourth Year:**
- Christopher Ban, DMD – Tufts University
- Christopher Ryan Wallis, DDS – The Ohio State University
Global Surgery Rotation

Jocelyn M. Logan, MD, Director
Assistant Professor of Surgery
Associate Program Director,
Residency Program in General Surgery
Department of Surgery,
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML 0558)
Cincinnati, OH 45267-0558
513-558-5861
jocelyn.logan@uc.edu

The University of Cincinnati Global Surgery Program offers an 8-week elective General Surgery Rotation at Mzuzu Central Hospital in Malawi, Africa. Our program emphasizes a bidirectional partnership with our host-institution to ensure that in exchange for an unparalleled educational experience in General Surgery, we are able to provide and enhance much-needed surgical services consistently over time. 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 staff 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 an austere 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 in Malawi.
Dr. Jocelyn Logan, Director of Global Surgery Program, operates with Dr. Carey Watson (4th year surgical resident) and a Malawian clinical officer in training.

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.

Dr. Aaron Beckwith, 4th year surgical resident, operates with Dr. Douglas Lungu, Co-director of the Global Surgery Program in Malawi.

Dr. Beckwith travels with Dr. Lungu to assist in the delivery of food to flood-stricken regions of Malawi.

Medical students, nursing students, and clinical officers gather for morning teaching rounds with Dr. Charles Park.

Residents take time for sightseeing and relaxation during their rotation.
The division of plastic surgery faculty are committed surgeons 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, 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, their major strength is their 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. David Billmire

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

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.

Selected Articles/In-Service

Residents should 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.

Pre-Op Conference

Residents are expected to know pertinent clinical details about patients scheduled for operation on their rotation. Residents should expect to be asked questions about operative decision-making, alternate options for treatment, and other aspects of patient care.

Weekly Grand Rounds

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 will be required to present a formal Grand Rounds presentation twice a year. The resident must choose a faculty advisor with knowledge of the topic. The resident will give a 45 minute talk followed by a 15 minute discussion led by the faculty advisor. It is the responsibility of the resident to review the talk with the faculty member prior to the conference.

M&M conference will occur monthly at our Wednesday morning conference time. The General Surgery M & M case will be determined the week before, and is presented by Dr. Kitzmiller and the respective resident on the rotation.

Research conference will occur one Wednesday per quarter. During this conference, residents will be required to 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 will consist of faculty lectures. These lectures will consist of different topics and will include full-time faculty, volunteer faculty, and non-plastic surgeon faculty.

Hand Conference
At 6:30 a.m. on the last Friday of each month, the Orthopedic Hand Faculty and Plastic Hand Faculty will conduct a combined plastic surgery/orthopedic surgery hand conference.

Journal Club
Reading of all Plastic Surgery literature is enthusiastically encouraged. Articles for Journal Club will be assigned in advance to allow for adequate preparation. All Senior Residents are expected to be familiar with the journal from cover to cover. Their discussion should include a review of the article’s goals, findings, an assessment and comparison to other literature.

Cadaver Lab
Cadaver dissections are planned regularly to supplement and re-enforce topics covered in the didactic sessions.

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 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.

Dr. Schwentker serves as the Divisional Faculty Research Coordinator. Residents are expected to meet with Dr. Schwentker in person twice each year (once in the first quarter July-September and once in the third quarter January-March) to facilitate the residents’ engagement and productivity in the process of scholarship.

Plastic, Reconstructive and Hand Surgery Residents 2015-2016

Independent Program
PGY-9: Binh Nguyen, MD – University of Texas, Galveston
PGY-10: Sarah E. Evans, MD – Duke University
PGY-10: Suzanne M. Inchauste, MD – Indiana University

Integrated Program
PGY-1: Brian W. Starr, MD – Wright State University
PGY-2: Christopher van Belle, MD – University of California, San Francisco
PGY-3: Fernando Ovalle Jr., MD – Vanderbilt University
PGY-4: Jillian Morrison, MD – University of Toledo
PGY-5: Anthony Vu, MD – University of Vermont
PGY-6: Darlene Sparkman, MD – Mayo Medical School
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 receive funding to attend the week-long national meeting of the American Urologic Association in their fourth year. 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 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). The speaker culminates a busy day by giving a major address to the Cincinnati Urological Society. Residents, full time and volunteer faculty, as well as private non-faculty urologists in the surrounding communities attend this meeting. We also host numerous “visiting” professors from departments within the college who guest lecture at the regularly scheduled weekly urologic educational conferences.

Urology Residents 2015-2016

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

Second Year:
Eric J. Fichtenbaum, MD – The Ohio State University
Jagan K. Kansal, MD, MBA – Indiana University School of Medicine

Third Year:
Eamonn E. Bahnson, MD – University of Cincinnati
Karan Motiani, MD – University of Cincinnati

Fourth Year:
Lindsay Derus, DO – Arizona College of Osteopathic Medicine
Daniel Box, MD – Ohio State University

Fifth Year:
Noah Allen, MD – University of Cincinnati
Beibei Oelrich, MD, PhD – Charite Universitatsmedizin, Berlin (MD & PhD)
Honors and Awards (Residents):

Scholar in Urology Award:
Mahmoud Mohamed, MD

Outstanding Achievement Award:
Eamonn Bahnson, MD

Art Evans Award:
Abhinav Sidana, MBBS

Director’s Achievement Award:
Anish Shah, MD

Laparoscopy Award:
Mohabe Vinson, MD

Graduate Medical Education Special Recognition Award:
Jagan Kansal, MD, MBA and Akwasi Boateng, MD

Quality Improvement Team Award:
Abhinav Sidana, MBBS; Lindsay Derus, DO; Dan Box, MD; and Beibei Oelrich, MD, PhD

Faculty Teaching Awards

Educator of the Year:
Eric Kuhn, MD and Hari Kothegal, MD

Pediatric Surgery Fellowship

Daniel von Allmen, MD, FACS, Program Director
Professor of Surgery
Surgeon-in-Chief, Cincinnati Children's Hospital Medical Center

Julie Ludwig, Program Coordinator
Division of Pediatric Surgery
Children’s Hospital Medical Center
3333 Burnet Avenue
Cincinnati, OH 45229
513-636-7365
julie.ludwig@chmc.org

The Division of Pediatric Surgery offers a 2-year residency (fellowship) in pediatric surgery. One new resident is chosen each year through the National Resident Matching Program. To date, over 47 pediatric surgery residents have been trained in the Division. The pediatric surgery residency at Cincinnati Children’s Hospital is one of the more renowned programs in the United States. The program matches one resident each year for a two-year position after completion of a general surgery chief residency. 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 20 full-time pediatric surgeons, 5 PhD researchers, 14 pediatric nurse practitioners, general surgery residents from 3 different programs in Cincinnati, and medical students. The operating room is one of the busiest in the country with over 31,500 cases performed annually. The emergency department evaluates over 99,000 patients each year. Each resident completes approximately 1,000 pediatric surgery cases during the 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 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)

2014-2015 Visiting Professors

7th Annual Joseph A. Cox, MD, Visiting Professor
Brad W. Warner, MD
Jesse L. Ternberg, MD, PhD Distinguished Professor of Pediatric Surgery
Surgeon-in-Chief
St. Louis Children's Hospital, St. Louis, MO
“Short Gut Syndrome: Surgical Management and Basic Opportunities”

Michael LaQuaglia, MD
Chief, Pediatric Surgery Service
Memorial Sloan-Kettering Cancer Center, New York, NY
“Desmoplastic Small Round Cell Tumor: Present Concepts”

Thane Blinman, MD
Division of General, Thoracic and Fetal Surgery
The Children’s Hospital of Philadelphia, Philadelphia, PA
“Clinical Applications of Physiological Scaling”
Pediatric Urology Fellowship

William R. DeFoor, Jr., MD, MPH, Program Director
Associate Professor of Surgery

Tina Perry, Program Coordinator
Department of Surgical Services
Division of Pediatric Urology
Cincinnati Children’s Hospital Medical Center
3333 Burnet Avenue ML 5037
Cincinnati, OH 45229
513-636-7143
tina.perry@cchmc.org

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 micro-surgical techniques), auto-testicular transplantation, laparoscopic & 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
Katherine A. Corbyons, MD
University of Florida (Urology Residency)

Andrew C. Strine, MD
Indiana University (Urology Residency)

International Fellowship Program

In addition to the ACGME accredited fellowship in Pediatric Urology, the Division of Pediatric Urology also sponsors an international 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:

Zaheer Alam, MD
Consultant Urologist & Pediatric Urologist, The Indus Hospital, Karachi, Pakistan

Nathalie Kremmer, MD
Pediatric Surgery Resident, University Hospital of Munich, Germany
Advanced Training Program in Cardiothoracic Surgery

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

Julian Guiron, MD, Associate Program Director
Assistant Professor of Surgery
Division of Thoracic Surgery

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

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

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

The University of Cincinnati College of Medicine offers 2 training programs in cardiothoracic surgery. The traditional program provides three continuous years of clinical training in cardiothoracic surgery after applicants complete an ACGME-accredited general surgery residency, with one new resident starting each year. Residents rotate on adult cardiac surgery at the University of Cincinnati Medical Center and the Good Samaritan Hospital, on general thoracic surgery at the University of Cincinnati Medical Center, on pediatric cardiac surgery at Cincinnati Children's Hospital Medical Center, and on endovascular surgery at the University of Cincinnati Medical Center.

Our integrated 6-year (I-6) program provides six years of training after completion of medical school, with one resident starting each year. Our training programs provide education in all aspects of cardiothoracic surgery, with an emphasis on minimally-invasive procedures.

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 University of Cincinnati Medical Center and 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 mechanical circulatory support and ECMO. The residents also gain a very unique experience with robotic cardiac surgery, including valve surgery and coronary artery bypass surgery. Two robotic cardiac surgeons perform over 100 robotic cases annually. With a dual console robot and a dedicated robotic cardiac surgery laboratory facility, residents may become robotically certified. 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 diseases, esophageal diseases, airway diseases, and mediastinal tumors. The general thoracic rotation has a focus on advanced minimally invasive techniques such as thoroscopic lobectomies for lung cancer, minimally-invasive esophagectomies, and robotic thoracic surgery. Residents are also trained in advanced airway and esophageal endoscopic procedures such as airway/esophageal stents, endobronchial ultrasound (EBUS), endoscopic mucosal resection (EMR) and endoscopic radiofrequency ablation.

Congenital Heart Surgery

Residents rotate on the congenital cardiac surgery service at Cincinnati Children's Hospital. During this rotation, they are exposed to the preoperative, intraoperative and postoperative care of children with congenital cardiac disease, including ventricular assist devices, heart and lung transplantation. 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. 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 consistently ranks in the top 10 in the nation for cardiology and heart surgery as measured by U.S. News & World Report.

Endovascular Surgery

Residents will spend a dedicated rotation in the area of endovascular surgery at the University of Cincinnati Medical Center with the Division of Vascular Surgery faculty who are leading experts in endovascular techniques with over 500 endovascular procedures performed annually.
Education

The thoracic residency has a structured educational program. A weekly cardiothoracic teaching conference covers all topics included in the Thoracic Surgery Directors Association core curriculum. In addition, we have a monthly journal club and morbidity and mortality conference. The residents also attend a weekly review of the Self-Education Self-Assessment in Thoracic Surgery (SESATS). During these sessions, residents review questions covering all areas of cardiothoracic surgery with faculty members. Thoracic residents also participate in a number of animal and cadaver simulation laboratories throughout the year, with sessions for open and thoracoscopic lobectomy, chest wall resection, tracheal resection, sleeve lobectomy, coronary artery bypass and valve repair/replacement.

Residents are required to take the annual in-training examination provided by the Thoracic Surgery Directors Association. Residents in the I-6 program also take the American Board of Surgery In-Training Examination. They also are given a mock oral examination by the cardiothoracic faculty to assist in preparation for the American Board of Thoracic Surgery certification examination.

Integrated Cardiothoracic Residency Program

The Section was approved for a 6-year integrated cardiothoracic residency in which medical students match into a 6-year program starting their intern year. This program is one of 23 such programs in the country and our first resident started in July 2014. In collaboration with the Department of Surgery, residents rotate through general surgery, surgical oncology, transplant surgery, pediatric surgery, plastic surgery, critical care, trauma surgery, cardiac surgery, thoracic surgery and congenital cardiac surgery during the first three years of the program. 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. Additionally, the trainees also gain experience with dedicated rotations in echocardiography, cardiothoracic anesthesia, and cardiothoracic critical care.

Cardiothoracic Surgery Residents 2015-2016

Integrated Cardiothoracic Residency Program

PGY1:
Heather Palomino, MD – University of California - San Diego

PGY2:
Dennis Wells, MD – University of Arkansas

Traditional Cardiothoracic Residency Program

PGY6:
Dwight Slater, MD – Michigan State University
General Surgery Residency: Western Medical University/MSU

Abdominal Multi-Organ Transplant Fellowship Training Program

Tayyab S. Diwan, MD, Program Director
Assistant Professor of Surgery
Section of Transplantation

Angela Sadler, Program Coordinator
Department of Surgery
Section of Transplantation
University of Cincinnati College of Medicine
231 Albert Sabin Way (ML0519)
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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 36 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 post-operative 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 Hospital. 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.

2014-2015 Conferences

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.

2014-2015 Visiting Speakers

September 17, 2014
Alvin E. Roth, PhD
Nobel Prize in Economics Laureate
Craig & Susan McCaw Professor of Economics, Stanford University
Gund Professor of Economics Emeritus, Harvard University
University of Cincinnati College of Medicine Special Lecture, “Design of Markets for the National Residency Matching Program”

October 7, 2014
Scott D. Boyd, MD, PhD
Stanford University, Stanford, CA
“Monitoring Human Immunity with High-Throughput DNA Sequencing”

January 6, 2015
John Friedewald, MD
Northwestern University, Feinberg School of Medicine, Chicago, IL
“Changes in Kidney Allocation”

March 10, 2015
Rolf Barth, MD
University of Maryland School of Medicine, Baltimore, MD
“Face Transplantation and Translational Studies in Vascularized Composite Allografts”

Transplant Surgery Fellows 2015-2016

First Year
Aleksandr Reznichenko, MD
General Surgery Residency – Stony Brook University

Second Year
Alexander Bondoc, MD
General Surgery Residency – University of Cincinnati
Pediatric Surgery Fellowship – Cincinnati Children’s Hospital Medical Center
Surgical Critical Care Fellowship

Krishna Athota, MD, Program Director
Assistant Professor of Surgery
Section of Trauma, Critical Care, and Acute Care Surgery
University of Cincinnati College of Medicine
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Jamila Kinebrew, Program Coordinator
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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 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.

University of Cincinnati 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, 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 University of Cincinnati 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 post-operative 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 ventilatory support, including liquid ventilation and high frequency ventilation, renal dialysis, continuous veno-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 University of Cincinnati 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 2009 and was granted Continued Full Accreditation for five years. 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:

Keshav Deshpande, DO, received his undergraduate degree from Case Western Reserve University. He received his DO degree at Lake Erie College of Osteopathic Medicine and completed his residency at Doctors Hospital/Grant Medical Center.

Stephanie Streit, MD, received her undergraduate degree from Miami University. She received her MD degree at University of Cincinnati and completed her residency at Medical University of South Carolina.
Past Fellows:

2015  Kevin Christian, DO – Assistant Medical Director, Trauma Services, Cox Health
2015  Alyssa Gans, MD - Assistant Professor, Department of Surgery, Wright State Physicians
2014  D Anderson Millar, MD – Assistant Professor of Surgery, University of Cincinnati
2013  Kate Baxter, MD – Faculty, Department of Surgery, The Christ Hospital Physicians
2013  Gina Gazenko, MD – Faculty, Department of Surgery, The Christ Hospital Physicians
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 Professor of Surgery, Cleveland Clinic Lerner College of Medicine
2011  Christian Bulcao, MD – Study Physician, Samumed, LLC, San Diego, CA
2010  Gerald Fortuna, MD, Lt Col, USAF – Chief Fellow, Cardiothoracic & Vascular Surgery, University of Texas
2010  Nichole Ingalls, MD, Maj, Medical Corps, USAF - Associate Program Director, Nellis/University of Nevada School of Medicine
2009  Rachael Callcut, MD – Assistant Professor of Surgery, University of California, San Francisco
2009  Rachel Hight, MD, Lt Col, USAF – Assistant Professor of Surgery, University of California Davis Medical Center
2008  Krishna Athota MD – Assistant Professor of Surgery, Director Surgical Student Education, Program Director Surgical Critical Care Fellowship, University of Cincinnati
2008  Brian Leininger MD – Director, Surgical Critical Care Service, Memorial Health System, Colorado Springs

Urology Fellowship in Minimally Invasive Surgery

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

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
wrightpj@ucmail.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. The fellow, under the guidance of the Director and Co-Director, 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

Jonathan Bath, 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, University of Cincinnati Medical Center

Lisa Evans, Administrative & Program Coordinator
Vascular Surgery Fellowship

Integrated Vascular Residency Program

The University of Cincinnati Medical Center / College of Medicine began a five-year integrated vascular surgery residency program on July 1, 2009. The integrated track is aimed at successful graduates of an accredited medical or osteopathic school who wish to specialize in the field of vascular surgery. The program is 5 years in length and includes 24 months of core surgical training and 36 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 laparo-
scopic surgery at the primary hospitals (University of Cincinnati 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 first two years of 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) and cardiology (both on outpatient and inpatient rotations). 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.

Current Integrated Vascular Surgery Residents:
- Raquel C. Jones, MD (Fifth Year) – University of Pittsburgh School of Medicine
- Maham Rahimi, MD (Fourth Year) – Texas Tech University Health Sciences Center
- David Phang, MD (Third Year) – West Virginia University School of Medicine
- Willythssa Pierre-Louis, MD (First Year) – University of Connecticut School of Medicine

Conferences:
- Weekly, Department of Surgery Grand Rounds
- Weekly, Department of Surgery, Morbidity & Mortality Conference
- Weekly, Preoperative Conference & Vascular Morbidity & Mortality
- Weekly, Vascular Education Conference (Journal Club, Attending Didactics, VESAP Resident Conference)
- Monthly, Non-Invasive Vascular Laboratory Noon Conference
- Monthly, Vascular Project / Research Noon Conference
- Monthly, Simulation / Surgical Skills Laboratory

Podiatric Medicine & Surgery Residency Program

Cary Copeland, DPM, FACFAS, Program Director

Lisa Evans, Administrative & Program Coordinator

Vascular Surgery Fellowship
Integrated Vascular Surgery Residency Program
Podiatric Medicine & Surgery Residency Program
Department of Surgery, Section of Vascular Surgery
University of Cincinnati College of Medicine
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Aaron Braun, Assistant Program Coordinator

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

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

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

**Current Podiatric Medicine & Surgery Residents:**

- **Michael R. Zimmerman, DPM** (Third Year) – Des Moines University, College of Podiatric Medicine & Surgery
- **John M. Whitt, DPM** (Second Year) – Des Moines University, College of Podiatric Medicine & Surgery
- **Andrew J. Brown, DPM** (Second Year) – Kent State University, College of Podiatric Medicine
- **Zachary Rasor, MD** (First Year) – Des Moines University College of Podiatric Medicine & Surgery
- **Nathan Shane, MD** (First Year) – Kent State University, College of Podiatric Medicine

**Medical Student Education**

**Krishna P. Athota, MD, Director Surgical Student Education**

- Assistant Professor of Surgery
- Section of Trauma, Critical Care, and Acute Care Surgery

**Jaime D. Lewis, MD, Associate Director Surgical Student Education**

- Assistant Professor of Surgery
- Section of Surgical Oncology

**David R. Fischer, MD, Director Medical Student Development**

- Associate Professor of 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.
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 anatomic 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 Department of Surgery offers a number of conferences and symposiums for physicians who are seeking Continuing Medical Education (CME) credits, including weekly Surgical Grand Rounds, annual Mini Medical College classes, and various symposia throughout the year. 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 of Continuing Medical Education to sponsor CME for physicians.

We welcome members of the community to participate in continuing medical education activities sponsored by the Department of Surgery. For more information regarding upcoming events, please refer to our website at http://med.uc.edu/surgery. Additionally, if you wish to receive emails which list the topics for our Wednesday morning conferences, please contact Gilda Young at gilda.young@uc.edu.

Further information on the Office of Education can be viewed at med.uc.edu/surgery.
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.

“Forging a Trail for General Surgery Residents – Surgeons, Scholars and Leaders”
Sunday night featured a formal dinner by the group in the beautiful Teton Mountain Lodge.

Monday sessions were highlighted by guests from Ethicon Endo-Surgery reviewing opportunities and challenges with novel technologies, followed in the afternoon by unique challenges and issues in early surgical careers. That Monday, everybody gathered to watch the national championship football game featuring a victory by the Ohio State Buckeyes. Once again, a great time was had with great fellowship and great exchange of ideas and camaraderie. The event overall was such a success that Dr. Edwards closed the meeting by committing to future meetings.

This year we are well underway for our 2016 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.
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 surgery.uc.edu or contact:

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Center for Surgical Innovation (CSI)
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Institute for
Military Medicine

Overview

Trauma is a significant health concern in both civilian and military populations. According to the Centers for Disease Control and Prevention (CDC), traumatic injury kills more people (civilians) in the United States under the age of 45 than any other disease or illness. Traumatic injuries are responsible for 60% of all deaths of people less than 45 years of age. Not surprisingly, for United States military personnel, more than 99% of fatal and non-fatal casualties are due to traumatic injury.

The University of Cincinnati 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 with interests 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 for Military Medicine has made substantial progress in advancing the scientific understanding of traumatic injuries and applying this new knowledge to the treatment of injured patients, both civilian and military. Research conducted in the UC Institute for Military Medicine has led to improvements in the standard of care for critically injured patients as well as led to changes in the standard operating procedures of the United States Air Force for the transport of seriously injured casualties.

The missions of the 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 new technology that can be applied in military 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 Institute of Military Medicine has a broad range of programs that serve to advance its missions.

**Clinical & Applied Science**

This program entails projects that serve to test new treatments and technologies for acutely injured patients. These projects translate scientific findings into clinical practice or demonstrate a new or better application 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, and effects of fatty acid supplementation on recovery from traumatic injury.

**Basic Science**

This program focuses on fundamental scientific research. Projects within this program are directed towards increasing the understanding of the biology of traumatic injury and determining new 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**

This 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. Three programs define our training platform:

- Cincinnati C-STARs 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.

- 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.

**Community Outreach**

Through partnership with existing programs in the community, including Veterans organizations, museums, and private businesses, the Institute for Military Medicine is able to educate the local and regional community on its progress and the benefits of its programs on the local and military communities.

**Contact Information:**

**Alex B. Lentsch, PhD**

Professor of Surgery  
Vice Chairman for Research  
Director, Institute for Military Medicine  
Alex.Lentsch@uc.edu  
513-558-8674

Additional information about the Institute for Military Medicine can be viewed at [med.uc.edu/surgery](http://med.uc.edu/surgery).
The Section of Cardiothoracic Surgery

The Division of Cardiac 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 have made UC a state-of-the-art referral center for both standard and complex cases.

The division, along with UC Health’s Heart, Lung and Vascular Institute, continues to lead the comprehensive mechanical circulatory support program consisting of both short-term devices and ECMO (extracorporeal membrane oxygenation) for acute cardiorespiratory failure. The program also offers long-term ventricular assist devices implanted as a bridge to transplant and as destination therapy. The division offers a mobile ECMO program in which patients with cardiorespiratory failure can be placed on support at a referring hospital and transferred to the University of Cincinnati Medical Center. Patients benefit from a true multi-disciplinary approach to heart failure, combining surgical and medical expertise as well as the advanced technology and support services offered at University of Cincinnati Medical Center, leading to more treatment options.
The division performs the full spectrum of operative procedures in patients with cardiac and vascular diseases, including coronary revascularization, all-arterial myocardial revascularization, mitral valve repair, robotic cardiac procedures, ventricular assist device implantation and ECMO.

**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. The division also performs lung transplantation. 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 ninth in the nation for cardiology and heart surgery as measured by *U.S. News & World Report 2014–15 Best Children’s Hospitals*.

**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

- **Karen A. Gersch, MD**
  Volunteer Associate Professor of Surgery

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

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

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

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

**Pediatric Cardiac Surgery Faculty:**

- **David Morales, MD**
  Professor of Surgery
  Chief, Division of Cardiovascular Surgery, Cincinnati Children's Hospital

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

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

The University of Cincinnati 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 they perform 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, pulmonologists, chest radiologists, and medical oncologists to provide comprehensive lung cancer care to patients through the UC Cancer Institute Lung Cancer Center. Through UC Health, the team launched the first and only multidisciplinary lung cancer screening program for patients at increased risk for lung cancer in November 2012. Lung cancer screening with low-dose CT scans has been shown to improve lung cancer survival in those at higher risk for lung cancer. We have 2 dedicated nurse coordinators and our team offers individualized care for our patients while working closely with referring physicians. We have screened 500 people at high risk for lung cancer to date and remain the only 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. Valerie Williams offers special expertise in the evaluation and surgical treatment of benign esophageal diseases, including advanced endoscopic therapies for esophageal malignancy. She is the only surgeon in the region to offer the LINX procedure for gastroesophageal reflux disease, a minimally-invasive procedure reported in the New England Journal of Medicine.

Dr. Sandra Starnes offers special expertise in the treatment of mediastinal tumors, while Dr. Julian Guzman 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 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
Associate Professor of Surgery
John B. Flege, Jr. Chair in Cardiothoracic Surgery
Interim 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 Guiron, MD
Assistant Professor of Surgery

Dr. Guiron 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.

Valerie Williams, MD
Assistant Professor of Surgery

Dr. Williams specializes in all aspects of general thoracic surgery with a focus on minimally-invasive thoracic surgery and the treatment of benign esophageal disease. She has expertise in endoscopic therapies for esophageal malignancy. She is certified by the American Board of Surgery and the American Board of Thoracic Surgery.

Additional information on the section of cardiothoracic surgery can be viewed at med.uc.edu/surgery.
Surgeons in the University of Cincinnati section of colon and rectal surgery treat benign, malignant and inflammatory conditions of the colon and rectum. Patients with colorectal cancer and polyposis syndromes; inflammatory bowel disease and other colitides; rectal prolapse and fecal incontinence; and 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. The group has expertise in transanal endoscopic microsurgery (TEMS) for large rectal polyps and early rectal cancers. Robotic surgery, which allows superior visualization of pelvic anatomy and fine dissection in the pelvis, is now 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.

The Christ Hospital Pelvic Floor Center -- the only center of its kind in the region -- is visited yearly by hundreds of patients for evaluation and treatment of fecal incontinence, debilitating constipation, pelvic organ prolapse and pelvic pain. The center is unique in bringing together specialists from urology, urogynecology, physical therapy, and colon and rectal surgery to treat patients in a coordinated multidisciplinary fashion.
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.

The team is currently the only one in the Tristate area offering the Interstim device for the treatment of fecal incontinence.

**Faculty**

**Janice F. Rafferty, MD, FACS, FASCRS**
Professor of Surgery  
Chief, Section of Colon and Rectal Surgery  
Director, Section of Colon and Rectal Surgery, The Christ Hospital

Dr. Rafferty specializes in surgery for colon and rectal cancer, proctology, and pelvic surgery, including benign and malignant colorectal and anorectal conditions. She is certified by the American Board of Surgery and the American Board of Colon and Rectal Surgery.

**Bradley R. Davis, MD, FACS, FASCRS**
Associate Professor of Surgery  
Vice Chair for Education  
Director, Residency Program in General Surgery

Dr. Davis specializes in laparoscopic and minimally invasive colorectal surgery, as well as the assessment and treatment of pelvic floor disorders. He is certified by the American Board of Surgery with added qualifications in Surgical Critical Care, and by the American Board of Colon and Rectal Surgery.

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

Dr. Ferguson specializes in surgery for colon and rectal cancer, ulcerative colitis, diverticulitis, pelvic floor dysfunction, rectal prolapse and benign anorectal disease. She also specializes in laparoscopic-assisted colon surgery for benign and malignant conditions. She is certified by the American Board of Colon and Rectal Surgery.

**Ian M. Paquette, MD, FACS**
Assistant Professor of Surgery

Dr. Paquette specializes in surgical treatment of colon and rectal cancer, Crohn’s disease, ulcerative colitis, diverticulitis, benign anorectal disease, and fecal incontinence, including the new innovation called Interstim (sacral nerve stimulation). He also specializes in laparoscopic colon surgery for benign and malignant conditions. He is certified by the American Board of Surgery, and the American Board of Colon and Rectal Surgery.

**Jonathan R. Snyder, MD**
Assistant Professor of Surgery

Dr. Snyder specializes in proctology, benign and malignant colorectal disease, and minimally invasive surgery. He practices at the West Chester Hospital, Veterans Affairs Medical Center, The Christ Hospital, and University of Cincinnati Medical Center. He is board certified in General Surgery, and board-eligible in Colon and Rectal Surgery.

More information about the section of colon and rectal surgery can be viewed at [med.uc.edu/surgery](http://med.uc.edu/surgery).
The Section of General Surgery

UC Health general surgeons are at the forefront of the advances of state-of-the-art care for general surgical conditions. The team offers minimally invasive surgical approaches for gastrointestinal surgical disorders as well as care of complex general surgery and bariatric patients.

The 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) and achalasia; gallstones and gallbladder disease, abdominal wall hernias; diseases of the spleen; diverticulitis and other colon conditions; and diseases of the endocrine
glands (thyroid, parathyroid and adrenal glands). The faculty offers expertise in minimally invasive gastrointestinal and endocrine surgery, and laparoscopic gastric sleeve, adjustable gastric banding and gastric bypass procedures for treatment of morbid obesity. The faculty perform robotic operations for several gastrointestinal disorders.

The section of general surgery has patient offices at the UC Health Physicians Office Clifton, UC Health Physicians Office North in West Chester, and The Christ Hospital Medical Office Building.

**Surgical Weight Loss**

In partnership with the UC Health Weight Loss Center, the Bariatric Surgery Program continues to grow with the addition of Drs. Brad Watkins and Jon Thompson. 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 (ASMB).

Bariatric procedures are performed at UC Health West Chester Hospital and University of Cincinnati Medical Center. Outpatient offices are located at UC Health Physicians Office North in West Chester. The division of general surgery has performed thousands of successful laparoscopic weight loss operations since its inception.

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.

Further information on our surgical weight loss program can be found by visiting [http://uchealth.com/weightloss](http://uchealth.com/weightloss).

**Faculty**

**University of Cincinnati Medical Center:**

**Timothy A. Pritts, MD, PhD**
Associate Professor of Surgery
Director, Division of General Surgery, University of Cincinnati Medical Center
Vice Chair for Professional Development

Dr. Pritts specializes in general surgery with special interests in gallbladder and biliary disease, hernia repair, and abdominal wall reconstruction. He is certified in general surgery by the American Board of Surgery.

**Krishna P. Athota, MD, FACS**
Assistant Professor of Surgery
Director, Surgical Student Education

Dr. Athota specializes in general surgery with special interests in gallstones and biliary disease, diverticular disease of the colon and endocrine disorders (thyroid, parathyroid, and adrenal glands).

**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 general surgery by the American Board of Surgery.

**Michael D. Goodman, MD, FACS**
Assistant Professor of Surgery
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 general surgery by the American Board of Surgery.

**Jay A. Johannigman, MD, FACS**
Professor of Surgery
Chief, Section of Trauma and Critical Care

Dr. Johannigman specializes in general surgery with special interests in enterocutaneous fistulas, abdominal wall reconstruction, and hernia repair. He is certified by the American Board of Surgery.
Jocelyn M. Logan, MD, FACS
Assistant Professor of Surgery
Associate Director, Residency Program in General Surgery

Dr. Logan specializes in general surgery with special interests and expertise in care of the patient with gastroesophageal reflux disease (GERD), diverticular disease of the colon, and gallbladder disease. She is certified by the American Board of Surgery.

Amy T. Makley, MD, FACS
Assistant Professor of Surgery
Associate Director, General Surgery Residency Training Program

Dr. Makley specializes in general surgery with special interests in diverticular disease of the colon, hernias, and ostomy closure. She is certified in general surgery by the American Board of Surgery.

Jason J. Schrager, MD, FACS
Assistant Professor of Surgery
Medical Director – Acute Care Surgery Services

Dr. Schrager specializes in general surgery with special interests in gallbladder disease, ostomy closure, and abdominal wall reconstruction. He is certified in general surgery by the American Board of Surgery.

West Chester Hospital:

Brad Watkins, MD, FACS
Assistant Professor of Surgery
Director of General Surgery and Medical Director of Bariatric Surgery
West Chester Hospital

Dr. Watkins specializes in bariatric surgery and advanced laparoscopy. He is certified in general surgery by the American Board of Surgery. He is a member of the American Society for Metabolic and Bariatric Surgery.

Jay A. Johannigman, MD, FACS
Professor of Surgery
Chief, Section of Trauma and Critical Care

Dr. Johannigman specializes in general surgery with special interests in enterocutaneous fistulas, abdominal wall reconstruction, and hernia repair. He is certified by the American Board of Surgery.

Jocelyn M. Logan, MD, FACS
Assistant Professor of Surgery
Associate Director, Residency Program in General Surgery

Dr. Logan specializes in general surgery with special interests and expertise in care of the patient with gastroesophageal reflux disease (GERD), diverticular disease of the colon, and gallbladder disease. She is certified by the American Board of Surgery.

Amina I. Merchant, MD
Assistant Professor of Surgery

Dr. Merchant specializes in general surgery with special interest and expertise in trauma and surgical critical care. He is certified in general surgery by the American Board of Surgery.

D Anderson Millar, MD
Assistant Professor of Surgery

Dr. Millar specializes in general surgery with special interest and expertise in trauma and surgical critical care. He is certified in general surgery by the American Board of Surgery.

Jonathan R. Thompson, MD
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. He 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 general surgery by the American Board of Surgery.

Further information on the section of general surgery can be viewed 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 Physicians Office in Clifton 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

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
Associate Professor of Clinical Surgery
Director, Residency Program in Oral and Maxillofacial Surgery

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

Erik W. Evans, DDS, MD
Assistant Professor of Surgery

Dr. Evans is a fellowship trained oral and maxillofacial surgeon in facial aesthetic surgery. He extends his expertise to managing maxillofacial trauma, facial reconstructive surgery, dento-alveolar surgery, temporomandibular joint disorders, sleep apnea, orthognathic surgery and pathology. He is certified by the American Board of Oral and Maxillofacial Surgery.

Clinical Adjunct Faculty
Krishnamurthy Bonanthaya, MBBS
James L. Harper, DDS
Randall Stastny, DMD
Gary Robins, DMD
Babak Emami, DMD
Matt Pagnotto, 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 division 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, lung resections and minimal access pectus excavatum repairs.

The CCHMC Liver Transplant program is recognized as one of the premier pediatric liver transplant programs in the world, having transplanted over 500 children. The Kidney Transplant Program has transplanted over 535 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 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  
Frederick C. Rychman Chair of Pediatric Surgery  
Surgeon-in-Chief, Cincinnati Children’s Hospital Medical Center  
Program Director, Pediatric Surgery Fellowship Training Program

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

**Gregory S. Tiao, MD, FACS**  
Professor of Surgery  
Richard and Geralyn Azizkhan Chair of Pediatric Surgery  
Division Director, Pediatric General & Thoracic Surgery  
Surgical Director, Pediatric Liver Transplantation  
Associate 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.

**Andrea Bischoff, MD**  
Assistant Professor, Colorectal Surgery

Dr. Bischoff specializes in the treatment of congenital anorectal malformations and Hirschsprung’s disease. She organizes international educational efforts for the Colorectal Center.

**Rebecca 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.

**Belinda Hsi Dickie, MD**  
Assistant Professor of Surgery  
Surgical Director, Hemangioma and Vascular Malformations Center

In addition to general pediatric surgery, Dr. Dickie specializes in colorectal surgery, in particular anorectal malformations, Hirschsprung’s disease and complex pelvic reconstruction, inflammatory bowel disease; esophageal surgery; surgical robotics and the treatment of hemangiomas and vascular malformations. She directs a basic science laboratory effort to understand lymphatic malformations. She is board certified with the Royal College of Physicians and Surgeons of Canada in General Surgery and Pediatric Surgery.
Dr. Dickie's research laboratory was established to explore the underlying cellular defects associated with the development of lymphatic malformations in humans. Multiple unique lymphatic endothelial cell lines have been established from patient lesions. Indicative of disease-causing potential, these have displayed lymphangiogenic activation in vitro in conjunction with having acquired a somatic, activating PIK3CA mutation in vivo. Other genetic determinants are being investigated, and inhibitory drugs are being tested for clinical efficacy.

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.

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.

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.

Dr. Helmrath specializes in short bowel syndrome. His research interest is in intestinal stem cell research and he is NIH funded. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Dr. Inge specializes in minimally invasive pediatric general and thoracic surgery. He has been continuously funded by NIH for bariatric outcomes research since 2005 and has been principal investigator for the multicenter Teen-LABS consortium since 2007. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

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.

Dr. Jones' research investigates placental function in cases of placental insufficiency with a focus on developing a nanoparticle delivery method for placental treatment. Furthermore, novel observations of placental micropathologies in tissue from HLHS cases has led to further research into the placentas from Hypoplastic Left Heart Syndrome. Her research is funded by a R00 Pathway to Independence Award from the Eunice Kennedy Shriver National Institute of Child Health and Human Development.

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
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
Assistant 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 is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Alberto Peña, MD, FACS
Professor of Surgery
Founding Director, Colorectal Center for Children

Dr. Peña specializes in pediatric colorectal 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.

Frederick C. Ryckman, MD, FACS
Professor of Clinical Surgery
Senior Vice President, Medical Operations

Dr. Ryckman specializes in transplantation, liver and biliary disease, extracorporeal membrane oxygenation (ECMO), minimally invasive surgery, and chest wall abnormalities. He is certified by the American Board of Surgery, with Certificate of Special Competence in Pediatric Surgery.

Aimen F. Shaaban, MD, FACS
Professor of Surgery
Director, Center for Fetal Molecular and Cellular Therapy

Dr. Shaaban specializes in fetal surgery. He runs an NIH funded laboratory investigating fetal immunology. He is certified by the American Board of Surgery, with Added Qualifications in Pediatric Surgery.

Nikolai Timchenko, PhD
Professor
Leader of Liver Tumor Program

Dr. Timchenko specializes in liver biology. His work is supported by NIH funds and investigates mechanisms of liver cancer, mechanisms of liver proliferation after surgical resections and mechanisms of 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

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.

Division of Burn Surgery

We are reinstituting the division of burn surgery and are actively recruiting for a new director. Shriners Hospital for Children - Cincinnati is dedicated to providing world-class care for pediatric burn patients, education and research. Their mission has broadened to include care for other challenging pediatric plastic surgery problems such as microtia and birth palsy.

Division of Plastic, Reconstructive and Hand Surgery

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 new 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.

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.

W. John Kitzmiller, MD
Professor of Surgery
Chief, Section of Plastic, Reconstructive and Hand Surgery/Burn Surgery
Interim Director, Division of Burn Surgery
Director, Division of Plastic and Reconstructive Surgery
Director, Plastic Surgery Residency Program
John.Kitzmiller@uc.edu
513.558.4363
Faculty
Full-Time Attending Staff:

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

Dr. Kitzmiller specializes in reconstructive microsurgery, correction of aging skin changes, and wound healing. He is certified by the American Board of Plastic Surgery with certificate of added qualification in surgery of the hand.

David A. Billmire, MD
Professor of Surgery Emeritus
Director of Plastic Surgery, Shriners Hospital for Children – Cincinnati

Dr. Billmire specializes in pediatric craniofacial surgery. He is certified by the American Board of Surgery and the American Board of Plastic Surgery.

Riesa Burnett, MD
Clinical Instructor

Dr. Burnett specializes in facial plastic and reconstructive surgery, cosmetic surgery, breast reconstruction surgery, and body reconstructive surgery.

Rank Dawson, MD
Assistant Professor of Surgery

Dr. Dawson focuses on adult plastic surgery.

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.

Ryan M. Gobble, MD
Clinical Instructor

Dr. Gobble specializes in facial plastic and reconstructive surgery, cosmetic surgery, head and neck reconstructive surgery, and breast reconstruction surgery. He is certified by the American Board of Surgery.

Christopher B. Gordon, MD
Professor of Surgery

Dr. Gordon specializes in minimally invasive craniofacial surgery and pediatric plastic surgery. He is certified by the American Board of Plastic Surgery.

Ronald R. Hathaway, DDS
Professor of Surgery
Director, Craniofacial and Surgical Orthodontics
Cincinnati Children's Hospital Medical Center

Dr. Hathaway specializes in craniofacial orthodontics and orthognathic 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. In addition, he has a Subspecialty Certificate in Surgery of the Hand.

Brian S. Pan, MD
Assistant Professor of Surgery

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

Ann Schwentker, MD
Associate Professor of Surgery
Associate Director, Plastic Surgery Residency Program

Dr. Schwentker’s practice focuses on pediatric plastic surgery, with an emphasis on brachial plexus reconstruction. She is certified by the American Board of Plastic Surgery.
Thomas J. Sitzman, MD  
Assistant Professor of Surgery  
Cincinnati Children’s Hospital Medical Center

Dr. Sitzman specializes in pediatric plastic surgery, quality improvement, and outcomes research.

John A. van Aalst, MD  
Professor of Surgery  
Director of Pediatric Plastic 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.

Petra Warner, MD  
Associate Professor of Surgery  
Interim 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.

Kevin P. Yakuboff, MD  
Professor of Surgery  
Chief of Plastic and Reconstructive Surgery, Shriners Hospitals for Children - Cincinnati

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.

Volunteer Clinical Faculty:

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

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

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

Research Faculty:

George F. Babcock, PhD  
Professor of Surgery  
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  
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.

Donna Carlson Jones, PhD  
Assistant Professor, Plastic Surgery Research Faculty  
Cincinnati Children’s Hospital Medical Center

Dr. Jones specializes in research concerning tissue engineering of bone and cartilage for use in reconstructive surgery for craniofacial bony defects.

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.

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 and Cincinnati Magazine Top Doctor 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’s faculty surgeons also staff the Cincinnati Department of Veterans Affairs Medical Center. 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.

UC has formed a strategic partnership with Cincinnati Children’s Hospital Medical Center and University of Cincinnati Medical Center to establish the Cincinnati Cancer Center, 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 Cincinnati Cancer Center will be able to provide innovative multidisciplinary cancer research and highly specialized patient care for children and adults in our region. Together, the Cincinnati Cancer Center (CCC) will be able to advance care faster, especially for those with complex disease. The vision of the Cincinnati Cancer Center 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.
- Highest volume pancreas surgery practice in region.
- 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 and esophageal disease centers where patients can be seen by physicians from multiple specialties all in one office visit to help quickly begin an optimally sequenced treatment plan without repetitive testing.
- One of 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 when applicable.

Faculty

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

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

**Daniel E. Abbott, MD**
Assistant Professor of Surgery

Dr. Abbott’s clinical interests are upper gastrointestinal tract cancer including liver, pancreas, esophagus and stomach as well as the full spectrum of surgical oncology care. His research is focused on health system outcomes. He is certified by the American Board of Surgery.

**Michael J. Edwards, MD, FACS**
Christian R. Holmes Professor of Surgery and Chairman, Department of Surgery, University of Cincinnati  
Vice President for System Development, UC Health

Dr. Edwards specializes in the treatment of breast cancer. He is certified by the American Board of Surgery.

**Jaime D. Lewis, MD**
Assistant Professor of Surgery

Dr. Lewis' main focus is 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.

**Kelly M. McLean, MD**
Assistant Professor of Surgery

Dr. McLean specializes in thyroid, parathyroid, adrenal, breast, hepatobiliary and gastrointestinal cancers. She is certified by the American Board of Surgery.

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

Dr. Shaughnessy specializes in treating patients with diseases of the breast. She is certified by the American Board of Surgery.

**Jeffrey J. Sussman, MD, FACS**
Professor of Surgery  
Vice Chair for Finance & Compensation

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

Additional information on the section of surgical oncology can be viewed at [med.uc.edu/surgery](http://med.uc.edu/surgery).
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 150 kidney transplants and approximately 70 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 IPITTR by hiring and supporting faculty whose academic careers support IPITTR-related objectives.

The section has pioneered the use of plasma cell targeted therapy for desensitization in highly sensitized transplant recipients, and is currently conducting a second generation trial using combination therapies based on proteasome inhibition.

E. Steve Woodle, MD
William A. Altemeier Chair in Surgery
Professor of Surgery
Chief, Section of Transplantation
Director, Division of Kidney and Pancreas Transplantation
Director, Israel Penn International Transplant Tumor Registry
Steve.Woodle@uc.edu
513-558-6001

Shimul A. Shah, MD, MHCM
Associate Professor of Surgery
Director, Division of Liver Transplantation and Hepatobiliary Surgery
Shimul.Shah@uc.edu
513-558-3993
**Division of Kidney and Pancreas Transplantation**

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

The division has developed clinical and research programs in transplant metabolic surgery that has led to the elimination of obesity as a barrier for kidney transplantation. The division 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 UC as the flagship center. The division has also developed a dedicated Sensitized Patient Clinic for potential kidney transplant patients who are highly sensitized to HLA antigens. This clinic 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.

**Division of Liver Transplantation and Hepatobiliary Surgery**

The division of liver transplantation and hepatobiliary surgery 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 division is a world leader in experience performing laparoscopic liver resections and has hosted several training courses.

The division recently developed a program in transplant outcomes research with a number of research projects currently ongoing, including a study of living donor and deceased donor live transplantation and readmissions following liver transplantation.

**Faculty**

**E. Steve Woodle, MD**
William A. Altemeier Chair in Surgery
Professor of Surgery
Chief, Section of Transplantation
Director, Division of Kidney & Pancreas Transplantation
Director, Israel Penn International Transplant Tumor Registry

Dr. Woodle specializes in solid-organ transplantation, steroid elimination, T-cell receptor-mediated immune modulation and paired donation. He is certified by the American Board of Surgery.

**Shimul A. Shah, MD, MHCM**
Associate Professor of Surgery
Director, Division of Liver Transplantation and Hepatobiliary Surgery

Dr. Shah specializes in solid-organ (pancreatic, liver, 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.

**Madison Cuffy, MD, MBA**
Assistant Professor of Surgery

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**
Assistant Professor of Clinical Surgery
Director, Pancreas Transplantation
Director, Transplant Surgery Fellowship

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

**Rino Munda, MD, FACS**
Professor of Surgery

Dr. Munda specializes in kidney and pancreas transplantation, vascular access and general surgery. Dr. Munda is widely recognized nationally and internationally as an expert in dialysis access surgery. He is certified by the American Board of Surgery.

**Flavio Paterno, MD**
Assistant Professor of Surgery

Dr. Paterno specializes in solid-organ (pancreatic, liver, and kidney) transplantation and hepatobiliary 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.

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

Additional information on the section of transplantation can be viewed at med.uc.edu/surgery.
University of Cincinnati Medical Center (UCMC) is the only verified adult Level I Trauma Center serving Southwestern Ohio, Eastern Indiana and Northern Kentucky. The trauma center has been in operation for over 25 years, and the current referral area encompasses almost 2 million people. West Chester Hospital campus received its official Level III Trauma Center verification from the American College of Surgeons in March and the hospital hosted Rep John Boehner in June to celebrate this expansion of the local trauma system. The West Chester Hospital is on track to see over 800 trauma patients this year.

The section continues to be a regional leader in patient care, education and research. The trauma center treats injuries typically seen in a large urban setting. Approximately 75 percent of the injuries are from blunt force mechanisms and 25 percent are penetrating injuries. Patients are cared for by a multidisciplinary team of surgeons, nurses, respiratory therapists, physical therapists, physician assistants, pharmacists and social workers. This multidisciplinary team provides a continuum of care with the goal of returning the patient to the previous level of health as rapidly as possible.

The Acute Care Surgery service, which was implemented in July 2009, continues to grow and expand its reach. UC Health acute care surgeons now work around the clock at UCMC and West Chester Hospital providing the most responsive, innovative surgical techniques and critical care services to patients in the Greater Cincinnati region. In 2014 over 700 acute care surgery cases were performed by the surgeons of the section.

The SICU consists of 34 adult beds with 150-170 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 section offers a Surgical Critical Care Fellowship that is a one-year ACGME accredited program encompassing all aspects of care of the critically ill surgical patient. Now in its 20th year, the fellowship emphasizes cardiopulmonary mechanics, principles of resuscitation, and mechanical ventilation.

Our commitment to patient care extends beyond the Tristate area as the division continues its collaboration with the United States Air Force. UCMC serves as one of the nation’s three Air Force Centers for the Sustainment of Trauma and Readiness Skills (C-STARs) training. During the previous calendar year, this unique process has provided specialized training to over 200 members of the Air Force’s elite Critical Care Air Transport Teams (CCATT). These CCATT personnel go on to serve in Iraq, Afghanistan and other locations around the world.

Through the Institute for Military Medicine, UC trauma/critical care surgeons and dedicated researchers are conducting major studies to improve medical transport for armed forces in need of emergency care, blunt trauma care protocols and traumatic brain injury prevention. The last two years have witnessed an increasingly strong basic science portfolio which is providing key elements to our understanding of transfusion medicine and the evolution of resuscitation of hemorrhagic shock.

Faculty

Jay A. Johannigman, MD, FACS
Professor of Surgery
Chief, Section of Trauma, Critical Care, and Acute Care Surgery

Dr. Johannigman specializes in general surgery, trauma/surgical critical care, mechanical ventilation, ARDS, mobile medical care for military, disaster preparedness, EMS training and ATLS education. He is certified by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Krishna P. Athota, MD, FACS
Assistant Professor of Surgery
Director, Surgical Student Education
Program Director, Surgical Critical Care Fellowship

Dr. Athota specializes in trauma/surgical critical care, cardiac hypertrophy, mechanical ventilation and surgical education. He is certified by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

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

Mr. Branson is a Registered Respiratory Therapist responsible for clinical trials and critical care research in the section. He 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.

Daniel B. Cox, MD
Major, USAF MC
Associate Professor of Surgery
CSTARS Cincinnati

Dr. Cox specializes in trauma/surgical critical care and military medical education. He is certified in general surgery by the American Board of Surgery with Added Qualifications in Surgical Critical Care.

Kenneth Davis Jr., MD, FACS
Professor of Surgery and Clinical Anesthesia

Dr. Davis specializes in trauma/surgical critical care, mechanical ventilation and ARDS. He is certified by the American Board of Surgery, with Added Qualifications in Surgical Critical Care.

Joel Elterman, MD
Major, USAF MC
Assistant Professor of Surgery
Medical Director – Trauma Services
CSTARS Cincinnati

Dr. Elterman 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
Assistant Professor of Surgery
Associate Director, General Surgery Residency Training Program

Dr. Goodman specializes in minimally invasive vascular techniques for the management of trauma and acute care surgery. His research involves the relationship of traumatic brain injury and en-route care. He is certified in general surgery by the American Board of Surgery with Added Qualifications in Surgical Critical Care.
Alex B. Lentsch, PhD
Professor of Surgery
Vice Chairman for Research
Director, Institute for Military Medicine

Dr. Lentsch specializes in regulation of inflammatory responses by cytokines, chemokines and adhesion molecules, as well as the mechanisms governing angiogenesis in prostate tumors. Dr. Lentsch is also the principal investigator on an NIH study on hepatic ischemia/reperfusion-induced lung injury.

Amy T. Makley, MD
Assistant Professor of Surgery
Associate Director, General Surgery Residency Training Program

Dr. Makley specializes in general surgery, trauma surgery, and acute care surgery. Her research involves hemorrhagic shock and damage control resuscitation. She is certified in general surgery by the American Board of Surgery with Added Qualifications in Surgical Critical Care.

Amina I. Merchant, MD
Assistant Professor of Surgery

Dr. Merchant specializes in trauma/surgical critical care and general surgery. She is certified in general surgery by the American Board of Surgery.

D Anderson Millar, MD
Assistant Professor of Surgery

Dr. Millar specializes in trauma/surgical critical care and general surgery. He is certified in general surgery by the American Board of Surgery.

Michael C. Petro, MD
Lt. Col USAF MC
Associate Professor of Surgery
CSTARS Cincinnati

Dr. Petro specializes in general surgery and trauma surgery and military medical education. He is certified by the American Board of Surgery. Dr. Petro is the senior instructor for the CSTARS program.

Timothy A. Pritts, MD, PhD, FACS
Associate Professor of Surgery
Director, Division of General Surgery, UC Medical Center
Vice Chair for Professional Development

Dr. Pritts specializes in general surgery, trauma and surgical critical care, and surgical education. Dr. Pritts has continued his successful scientific career investigating the acute inflammatory response to injury and recently completed an NIH funded K08 career development award. He is certified in general surgery by the American Board of Surgery with Added Qualifications in Surgical Critical Care.

Jason J. Schrager, MD, FACS
Assistant Professor of Surgery
Medical Director – Acute Care Surgery Services

Dr. Schrager specializes in trauma/surgical critical care and general surgery. He is certified in general surgery by the American Board of Surgery.

Betty Tsuei, MD, FACS, FCCM
Professor of Surgery
Director, Surgical Intensive Care Unit

Dr. Tsuei specializes in trauma/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.

Christina P. Williams, MD
Assistant Professor of Surgery

Dr. Williams specializes in trauma surgery and acute care surgery. She is certified in general surgery by the American Board of Surgery with Added Qualifications in Surgical Critical Care.

Additional information on the section of trauma, critical care, and acute care surgery can be viewed at med.uc.edu/surgery.
The Section of Urology

The University of Cincinnati section of 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.

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- and minimally invasive) for voiding dysfunction, neurogenic bladder and other female pelvic floor disorders.

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, ranked fifth in the nation for urology by U.S. News & World Report.

Faculty

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

John R. Babcock, Jr., MD
Assistant Professor of Clinical Surgery
Educational Director, Residents’ Clinic, UCMC

Dr. Babcock specializes in general urologic surgery. He is certified 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 urologic disorders. He also performs endourologic procedures for stone disease and other urologic conditions.

Nilesh Patil, MD
Associate Professor of Clinical Surgery
Associate Director, Urology Residency Program
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.
Pediatric Urology Faculty

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

Dr. Reddy specializes in complex genitourinary reconstruction; neurogenic bladder; anorectal malformations; disorders of sexual development; renal transplant in the neurogenic bladder; general pediatric urology surgery; prenatal evaluation and fetal care; general pediatric urology surgery; minimally invasive robotic assisted surgery; kidney stones; ESWL; clinical trials; basic science research. 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 kidney stones; ESWL; complex genitourinary reconstructive surgery; microscopic hypospadias; general pediatric urology surgery; endoscopic treatment of VUR. He is certified by the American Urological Association 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.

**W. Robert DeFoor, Jr., MD**  
Associate Professor of Clinical Surgery  
Director, Pediatric Urology Fellowship Program  
Director, Clinical Research Program  
Residency Education Site Director

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

**Elizabeth C. Jackson, MD**  
Associate Professor of Nephrology  
Director of the Healthy Bladder Clinic

Dr. Jackson specializes in voiding dysfunction; overactive bladder; urinary tract infections; metabolic basis of stones; nocturnal enuresis; clinical outcomes research; clinical trials. She is certified by the American Board of Pediatrics.

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

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

**Brian VanderBrink, MD**  
Assistant Professor of Clinical Surgery

Dr. VanderBrink specializes in spina bifida; genitourinary reconstructive surgery; neurogenic bladder; minimally invasive laparoscopic surgery. 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. Kotheegal, MD  
Courtney Persinger, MD  
Safwat Zaki, MD

Additional information on the section of urology can be viewed at [med.uc.edu/surgery](http://med.uc.edu/surgery).
The doctors of vascular surgery offer treatment of vascular disorders at the University of Cincinnati Medical Center, West Chester Surgical Hospital, The Christ Hospital, Cincinnati Department of Veterans Affairs Medical Center and 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, directed by Dr. Jonathan Bath, a vascular surgeon with expertise in minimally invasive vein procedures.
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 aorto-bifemoral 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, Division of Vascular Surgery  
Director, Noninvasive Vascular Laboratory  
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.

**Jonathan M.T. Bath, MBBS**  
Adjunct Assistant Professor of Surgery  
Director of the Vein Center  
Director, Vascular Surgery Residency and Fellowship Programs

Dr. Bath has clinical interests in cerebrovascular diseases including carotid endarterectomy, both open and endovascular aortic disorders and treatment of peripheral arterial disease by both endovascular means and surgical bypass. He is board certified in General Surgery and Vascular Surgery.

**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 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.

**Aditi Madabhushi, MBBS**  
Adjunct Assistant Professor of Surgery

Dr. Madabhushi’s clinical interests include open and endovascular surgery, including open and endovascular aortic procedures, carotid stenting, carotid endarterectomy, visceral arterial occlusive disease, hemodialysis access surgery and maintenance, vascular trauma and the vascular laboratory. She is board certified in General Surgery and General Vascular Surgery.

**Division of Podiatric Medicine & Surgery**

The podiatric surgery physicians utilize a team approach to patient care through collaboration with other medical and surgical specialties to provide comprehensive diagnosis and treatment of all foot and ankle conditions. The latest techniques are utilized in order to address diseases of the foot and ankle, biomechanical imbalances such as bunions and hammertoes, infections (soft tissue of bone) or ulcerations of the foot, as well as ingrown nails, corns and calluses, plantar warts, arthritic deformities and heel pain.
The clinical faculty physicians also have expertise in the management of diabetic foot problems, sports injuries, and trauma to the foot and ankle. Our podiatrists focus on preventing, diagnosing and treating conditions associated with the foot and ankle, and are dedicated to providing individuals with appropriate foot care.

Faculty

Cary L. Copeland, DPM
Adjunct Assistant Professor of Surgery
Director, Division of Podiatric Medicine & Surgery
Program Director, Podiatric Medicine & Surgery Residency

Dr. Copeland specializes in all aspects of foot and ankle surgery, total foot and ankle reconstruction, lower extremities and sports-related injuries. His special interests include pediatric limb deformity correction, diabetic limb deformity correction, and elective adult deformity correction.

Bryan J. Hall, DPM
Instructor of Clinical Surgery

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
Instructor of Clinical Surgery

Dr. Blanchard's clinical interests include limb salvage, vascular and traumatic complications with the lower extremities, and managing foot conditions which may pose an ongoing threat to a patient's overall health. Detecting the early stages of diseases such as diabetes, arthritis and cardiovascular diseases that exhibit warning signs in the lower extremities, as well as all aspects of foot and ankle surgery are also a strong focus.

Jared M. Maker, DPM
Instructor of Clinical Surgery

Dr. Maker has advanced training in all aspects of foot and ankle surgery including forefoot and rearfoot reconstruction, trauma, sports medicine and total ankle replacement.

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. A perfect example of the excellent affiliated education faculty is Dr. David Fischer, one of our busiest surgeons who recently consolidated his general surgery practice at the Christ Hospital but remains as Director of Medical Student Development at the University of Cincinnati College of Medicine. Dr. Fischer’s dedication to surgical education has resulted in his winning nine consecutive Gold Apple awards given by the medical students to their favorite teacher in the entire College of Medicine.
There is an abundance and variety of clinical experiences in the hospitals and outpatient offices of our integrated and affiliated institutions which include:

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

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

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

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

The Lutheran Hospital is a 396-bed tertiary care facility located in Fort Wayne, Indiana. Surgical residents rotating at this community hospital are exposed to many types of general surgical cases as well as heart and kidney transplant, an accredited bariatric surgery center, Level II verified adult and pediatric trauma centers, and an accredited cancer care program.
The Department of Surgery at the University of Cincinnati 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.

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 University of Cincinnati departments, have partnered with various branches of the United States military to form the 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 University of Cincinnati 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 Surgical Oncology, the Society for Surgery of the Alimentary Tract, the American Heart Association, American Association for Cancer Research and the American Gastroenterology Association, among others, as well as numerous prestigious basic science conferences such as the Federation of American Societies of Experimental Biology.

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

Residents in the Laboratory 2014-2015

Sarah J. Atkinson, MD (Mentor: Hector Wong, MD)
Christopher M. Freeman, MD (Mentor: Alex Lentsch, PhD)
Richard S. Hoehn, MD (Mentor: Timothy Pritts, MD, PhD)
Peter L. Jernigan, MD (Mentor: Timothy Pritts MD, PhD)
Lindsey R. Klingbeil, MD (Mentor: Basilia Zingarelli, MD, PhD)
Joshua W. Kuether, MD (Mentor: Charles Caldwell, PhD)
Emily F. Midura, MD (Mentor: Charles Caldwell, PhD)
Aaron P. Seitz, MD (Mentor: Erich Gulbins, MD, Michael Edwards, MD)
Alex L. Chang, MD (Mentor: Timothy Pritts, MD, PhD)
Teresa C. Rice, MD (Mentor: Charles Caldwell, PhD)
Phylicia D. Dupree, MD (Mentor: Gregory Tiao, MD)
Audrey E. Ertel, MD (Mentor: Shimul Shah, MD)
Meghan C. Nolan, MD (Mentor: Hector Wong, MD)
2015 Resident Research Competition Awards

Department of Surgery Resident Research Awards for research presentations given at Surgical Grand Rounds on April 1, 2015.

Clinical Section:

Finalists include:
1. Sarah J. Atkinson, MD
2. Audrey E. Ertel, MD
3. Richard S. Hoehn, MD
4. Meghan C. Nolan, MD

Winner: Meghan C. Nolan, MD: “Use of Matrix Metalloproteinase-9 as a Biomarker of Complicated Appendicitis”

Basic Science:

Finalists include:
1. Sarah J. Atkinson, MD
2. Richard S. Hoehn, MD
3. Peter L. Jernigan, MD
4. Meghan C. Nolan, MD

Winner: Richard S. Hoehn, MD: “Acid Sphingomyelinase Inhibition Decreases Lung Injury after Transfusion with Stored Blood”

Other Resident Research Awards 2014-2015

Peter L. Jernigan, MD
First Place, 2015 Resident Research Competition, Basic Science Category, Ohio Chapter American College of Surgery

Richard S. Hoehn, MD
First Place, 2015 Ohio Chapter Commission on Cancer Physician-in-Training Cancer Research Paper Competition, Ohio Chapter American College of Surgery
Second Place, 2015 Resident Research Competition, Basic Science Category, Ohio Chapter American College of Surgery
Winner of the 2015 Best Quick Shot Presentation by a Resident/Fellow, 10th annual Academic Surgical Congress

Drs. Lindsey Klingbeil, Meghan C. Nolan and Teresa C. Rice
Recipients of a $1,000 Travel Award each to attend the 38th annual Shock Society Meeting in Denver, June 6-9, 2015

Full-Time Research Faculty

Alex B. Lentsch, PhD
Professor
Vice Chair for Research
Director, Institute for Military Medicine
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

George F. Babcock, PhD
Professor
Adjunct Associate Professor of Cell Biology, Neurobiology and Anatomy
Assistant Director of Research, Shriners Burns Hospital - Cincinnati
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
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
BA and PhD – University of Colorado in Boulder
Post-doctoral – University of California San Diego Medical Center
Research Interests – Tissue engineering and cell biology

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

Additional information on the section of basic and translational science can be viewed at med.uc.edu/surgery.
Department of Surgery
University of Cincinnati
2015-2016 Annual Report

http://surgery.uc.edu

Photography by Roger West, with editorial and photo contributions from UC Academic Health Center Public Relations & Communications.
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.