

BOLD FUTURE

Strong Legacy

2019 DEPARTMENT OF SURGERY ANNUAL REPORT
2020-2024 STRATEGIC GOALS & PRIORITIES





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Our Mission

With an unrelenting focus on our patients, we provide extraordinary surgical care; create new knowledge through research; and develop future surgeons, researchers, and leaders across a broad range of specialized expertise.

Our Vision

We are widely renowned as a vital and enduring source of remarkable talent, capabilities, and ingenuity with the promise of results that offer infinite hope for our patients and communities.

Our Values

- Patient-and-Family-Centered Care
- Dignity, Respect, Diversity and Inclusion
- Duty to Mentorship and Accountability
- High-Quality and High-Performance
- Collaboration and Camaraderie
- Courage to Innovate
- MELIORA!

Shaping Our Destiny...from a *Strong Legacy* to a **Bold Future**.

Let's face it: It's an extraordinarily exciting time to be part of an academic surgery department. With the pace of technological advancement, the explosion of new scientific knowledge, the changing paradigms of training, the increasing complexity of patients' conditions, the acceleration of bench-to-bedside research, and the ever-changing evolution of health care delivery, the message is clear – we must adapt, evolve, innovate and CHANGE. While our heritage as a department is our bedrock, complacent acceptance of the status quo has never been the Rochester way. Our motto says it all – MELIORA, the constant striving for betterment and a brighter future. As a group, we have embraced this future with courage and bold thinking. In doing so, we have developed the department of surgery strategic plan.

Five Strategic Goals:

Our five-year strategic plan is the result of enthusiastic engagement, countless hours, no-holds-barred brainstorming, out-of-the-box thinking and effective teamwork; all anchored by an unyielding commitment to excellence and an unrelenting focus on our patients. I have the utmost confidence that we will shape our future for the betterment of those we serve, with a spirit of excitement, optimism and hope; with a unified, collegial and exceptional team; and with the shared values that have guided us as we mapped our strategic goals and priorities. MELIORA!

STRATEGIC GOALS

Outstanding Clinical Programs

Innovation in Education

Cutting-Edge, Impactful Research

A Prosperous Culture

Enduring Strength and Resilience



A handwritten signature in black ink, appearing to read 'D. Linehan'.

David C. Linehan, M.D.

*Seymour I. Schwartz Professor and Chairman
Department of Surgery
University of Rochester Medical Center*

OUTSTANDING CLINICAL PROGRAMS

“While our specialized clinical programs have outstanding and ever improving outcomes, that’s not enough. What distinguishes UR Medicine Surgery is that we deliver outstanding care to patients with the most complex surgical and medical problems in a patient-centered and value-driven manner, while always asking ourselves how we can improve the patient’s experience. We understand that UR Medicine is a beacon in Upstate and Western New York for patients who come from far and wide and rely on us to restore their health. We will never take for granted the privilege of caring for these patients and we will work tirelessly to develop and expand our specialized services to serve patients and families throughout the region and state.”

— David C. Linehan, M.D.



Abdominal Transplant and Liver Surgery

Letter from the Division Chief

The best possible surgical outcomes require the highest level of skill, research and an innovative team. At the UR Medicine Transplant Surgery Division, our entire team of renowned transplant surgeons constantly strive to deliver “Medicine of the Highest Order.”

Our Division has elevated the field of liver, kidney and pancreas transplant surgery and now aims to expand access to both living and cadaveric donor organs. Our expanding live donor programs will increase our capacity to provide transplantation to patients from across the globe. To aid in our efforts, we are building strong outreach and referral relationships. We are collaborating with our local Organ Procurement Organization (OPO) and state and federal agencies to promote and improve organ donation.

Additionally, our Division is working with administration to expand our clinic to allow us to provide a multi-organ, multidisciplinary transplant clinic that encompasses the majority of services that our patients require. We have also opened weekly clinics in Buffalo and Syracuse, expanding access to complex liver care services for patients who live outside of our immediate service area. Robotic surgery has been a highlight of our kidney transplantation and liver cancer surgery programs and will play a key role in clinical care and research in the months ahead. Our division is also working in collaboration with the Division of Gastroenterology & Hepatology to create a comprehensive liver care center which will bring a multidisciplinary team of experts together to provide the best clinical solution to patients with liver cancer and other end stage liver disease.

We are also championing the expansion into pediatric transplantation by working hand-in-hand with Golisano Children’s Hospital and the Department of Pediatrics to build the required infrastructure for success. All of these efforts will allow for better management of our patients, greater productivity and overall improved patient access, satisfaction, experience and outcomes.

Aside from clinical practice, our Division seeks to be a role model for diversity and inclusion throughout UR Medicine. We celebrate and embrace diversity by learning from the different cultures our team represents. Our faculty members and staff also care and dedicate their time to our residents, teaching and mentoring them, as well as opening national and international doors by exposing our trainees to a host of clinical and research collaborations. We are proud to attract top residents and fellows from around the world and welcome them into our program. A true gauge of our success is a team that is collegial, exhibits happiness and is enthusiastic as we expand the horizons of state-of-the-art transplant surgery.

Sincerely,

Roberto Hernandez-Alejandro, M.D.

Professor of Surgery and Chief, Division of Abdominal Transplant and Liver Surgery

ABDOMINAL TRANSPLANT AND LIVER SURGERY

“Our expanding live donor programs will increase our capacity to provide transplantation to patients from across the globe.”

– Roberto Hernandez-Alejandro, M.D.

2019 Selected Highlights

- For the second consecutive year, in 2019, our Division performed a record-breaking number of live donor kidney transplants.
- Last year, we had the best outcomes in 15 years for liver transplant survival rates. These outcomes are above the benchmarks across the nation.
- In just three years, we have more than doubled the number of liver transplants performed by our Division. We are also the fastest growing live donor liver transplant program in New York State.
- In 2019, our surgical team published 18 peer-reviewed manuscripts in high-profile journals.
- Mark Orloff, M.D. was named UNOS Region 9 Liver Transplant Committee Representative.
- Roberto Hernandez-Alejandro, M.D. was promoted to Chair of the International Liver Transplantation Society.
- Seymour I. Schwartz, M.D., Distinguished Alumni Professor of Surgery, was nominated by Roberto Hernandez-Alejandro, M.D. to be a living legend in liver surgery through the World Congress of the International Hepato-Pancreato-Biliary Association (IHPBA). The award will be presented in Melbourne, Australia in September 2020.
- UR Medicine was the first in the Northeast to perform robotic assisted transplants for kidney recipients.
- Roberto Hernandez-Alejandro, M.D. was appointed to the editorial board of the Annals of Surgery.

New Faculty

Paritosh Prasad, M.D., Assistant Professor of Surgery

- Medical degree from Harvard Medical School
- General Surgery Residency at Massachusetts General Hospital
- Critical Care Fellow at the National Institutes of Health, Clinical Center
- Infectious Disease Fellow at Massachusetts General Hospital

Faculty Listing:



Roberto Hernandez-Alejandro, M.D., F.A.C.S.,
Professor of Surgery; Chief, Division of
Abdominal Transplant and Liver Surgery

Mark S. Orloff, M.D., F.A.C.S.,
Professor of Surgery; Associate Vice
Chair for Clinical Operations and
Regional Development

Paritosh Prasad, M.D.,
Associate Professor of Surgery,
Medicine and Pediatrics

Randeep S. Kashyap, M.D., F.A.C.S.,
Associate Professor of Surgery;
Surgical Director of Kidney and
Pancreas Transplant Program

Koji Tomiyama, M.D.,
Assistant Professor of Surgery

Acute Care Surgery

Letter from the Division Chief

Strong Memorial Hospital's Kessler Trauma Center, the region's only designated Level I trauma facility, admits more than 2,400 patients each year. The Kessler Trauma Center was among the first in New York State to be verified by the American College of Surgeons-Committee on Trauma and provides comprehensive trauma care to a 17-county referral region. Now entering its third three-year verification cycle, the trauma center continues to grow and expand its capacity to manage the sickest and most injured patients in the region.

Beyond the commitment to clinical excellence, the Kessler Trauma Center is dedicated to providing education, injury prevention and outreach programs that are designed to address important issues that impact our region. One example is the commitment to the national "Stop the Bleed" program. Bleeding is the most preventable cause of death following injury and this nationwide initiative works to educate and empower members of the public to act as immediate responders and control bleeding when necessary until help arrives. Both locally and nationally, the trauma center team is taking a leadership role in advocating for the deployment of bleeding control kits in public spaces where community members can easily access this life-saving equipment when it is needed.

With the increasing focus on intentional mass-casualty incidents both nationally and worldwide, the trauma center team has launched an effort to address the unique challenges associated with large-scale surgical emergencies. The Center for Surgical Readiness, recently established within Acute Care Surgery, will play an important role in preparing medical professionals and hospital administrators to face the challenges posed by these unique events. Closer to home, the trauma center has recently expanded its capacity to provide Rural Trauma Team Training to rural and critical access hospitals throughout the Finger Lakes region.

As an academic program, we remain committed to the education of the next generation of acute care surgeons. We continue to provide trauma, emergency general surgery and critical care experience to our own residents, as well as surgical residents from outside training programs seeking exposure to this complex patient population. In addition, we remain committed to the ACGME Surgical Critical Care fellowship that is housed within the Acute Care Surgery Division.

Our Division is proud of the exemplary care that we continue to provide to those in need of treatment following a surgical emergency or traumatic injury and we are working hard to expand our educational, outreach and prevention efforts throughout the region we serve.

Sincerely,

Mark L. Gestring, M.D., F.A.C.S.,
Professor of Surgery, Emergency Medicine and Pediatrics and Chief, Division of Acute Care Surgery

ACUTE CARE SURGERY

"As an academic program, we remain committed to the education of the next generation of acute care surgeons."

– Mark Gestring, M.D.

2019 Selected Highlights

- Our trauma team received the Board Excellence Award for 2019. This award recognizes the multidisciplinary nature of trauma care and acknowledges our success as a Division, Department and academic quaternary care center in the development of such an important regional resource.
- We were re-verified by the American College of Surgeons-Committee on Trauma as the region's only Level I Trauma Center.
- We continue to be a statewide leader in "Stop the Bleed" education, training and advocacy.
- Our Division oversees the highly successful trauma simulation program, which provides opportunities for multidisciplinary team training throughout the institution.
- The Burn-Trauma ICU was recently chosen to receive a Gold Beacon Award.
- A new faculty member, Michael Vella, M.D. was recruited after a national search.

New Faculty

Michael Vella, M.D., M.B.A., *Assistant Professor of Surgery*

- Medical degree from Raymond and Ruth Perelman School of Medicine, the University of Pennsylvania
- General Surgery Residency at Vanderbilt University Medical Center
- Trauma and Surgical Critical Care Fellow at Raymond and Ruth Perelman School of Medicine, the University of Pennsylvania

Faculty Listing:



Mark L. Gestring, M.D., F.A.C.S.,
Professor of Surgery, Emergency Medicine and Pediatrics; Chief, Division of Acute Care Surgery

Paul E. Bankey, M.D., Ph.D., F.A.C.S.,
Professor of Surgery and Pediatrics

Julius D. Cheng, M.D., M.P.H., F.A.C.S.,
Professor of Surgery and Pediatrics;
Professor of Clinical Nursing at the School of Nursing

Yanjie Qi, M.D., F.A.C.S.,
Assistant Professor of Surgery;
Associate Program Director for Curriculum and Simulation General Surgery Residency Program

Michael Rotondo, M.D., F.A.C.S.,
Professor of Surgery; Associate Vice President for Administration; Chief Executive Officer; Vice Dean for Clinical Affairs

Ayodele T. Sangosanya, M.D., F.A.C.S.,
Associate Professor of Surgery and Pediatrics

Nicole A. Stassen, M.D., F.A.C.S.,
Professor of Surgery and Pediatrics;
Medical Director Kessler Family Burn/Trauma ICU; Surgical Critical Care Fellowship Program Director

Michael Vella, M.D., M.B.A.,
Assistant Professor of Surgery

Bariatric and GI Surgery at Highland Hospital

Letter from the Division Chief

This past year, the UR Medicine Bariatric/GI Surgery Division saw increased volume growth and brand equity in our bariatric program. During 2020 and beyond, we look forward to elevating our bariatric and general surgery capabilities, as well as increasing our capacity to a new level through targeted growth, collaboration and productive evolution across our clinical, research and educational domains.

Our entire Bariatric/GI Surgery team is proud of our recent accomplishments, including our reaccreditation as a “Comprehensive Center” by the American College of Surgeons Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program (MBSAQIP®), plus our implementation of a medical weight loss program as an alternative and supplement to bariatric surgery. We hired a dedicated Operating Room scheduler to optimize access to the Highland Hospital OR, and a Bariatric Intake Coordinator to help facilitate our patients’ pre-operative requirements for surgery. To further improve access and to assist us in providing the most positive experience for our patients, we set up online resources, including bariatric surgery seminars.

Our Division has big plans for 2020 as an Enhanced Recovery After Surgery (ERAS) protocol will be implemented to improve patient safety. In addition, we will be participating in a national quality improvement project – Bariatric Surgery Targeting Opioid Prescriptions (BSTOP) – to lessen opioid dependence for bariatric surgery patients.

To best serve our patients, we will be building a 7,000-square-foot Weight Management Center, including state-of-the-art classrooms and a fully equipped kitchen for healthy cooking instructions. Our weight management program for pre- and post-bariatric patients will also be enhanced.

Lastly, we will work together with UR Medicine Endocrinology, Hepatology and the Kidney Transplant Division to provide the highest level of care for patients with Type II diabetes, fatty liver and other conditions. On the research front, we will be collaborating with Yang Yu, Ph.D., a post-doctoral faculty member, to study the impact of loss of eating control on weight regain post bariatric surgery. We are collaborating with the Department of Orthopaedics in the “Surgical Weight Loss to Improve Functional Status Trajectories Following Total Knee Arthroscopy” (SWIFT) trial, which studies the total knee arthroscopy outcomes of obese patients who have weight loss induced by bariatric surgery prior to their knee surgeries.

Undoubtedly this is an exciting time for our Division – and there are many more highlights on the horizon. We are looking forward to leveraging Highland Hospital as a hernia center, offering superior care for complex cases as well as robotic technology, a key competitive area for growth. We also plan to expand into pediatric and geriatric sub-specialization. As always, we will continue to work diligently to enhance the patient/family experience, as well as the educational and training experience for our residents.

Sincerely,

Joseph A. Johnson, M.D., F.A.C.S.,

Associate Professor of Surgery and Chief of Surgery at Highland Hospital

BARIATRIC AND GI SURGERY

“We look forward to elevating our bariatric and general surgery capabilities, as well as increasing our capacity to a new level through targeted growth, collaboration and productive evolution across our clinical, research and educational domains.”

– Joseph Johnson, M.D.

2019 Selected Highlights

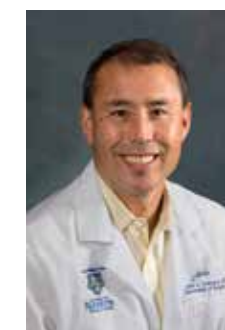
- Reaccreditation as a “Comprehensive Center” by the American College of Surgeons (ACS) Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program (MBSAQIP®).
- Implemented a medical weight loss program as an alternative and supplement to bariatric surgery.
- Exceeded benchmark performance in long term follow up of post-surgical bariatric patients.
- Achieved better than average comorbidity reduction for post-surgical bariatric patients.
- In 2019, our Division welcomed Aaron Sabbota, M.D., Ph.D. back to our team.
- David Burns, M.D. received the Seymour I. Schwartz, M.D. Faculty Excellence in Teaching Award.

New Faculty

Aaron Sabbota, M.D., Ph.D., *Assistant Professor of Surgery*

- Medical degree from Wayne State University School of Medicine in Detroit, Michigan
- General Surgery Residency at the University of Rochester Medical Center
- Bariatric Surgery Fellow at Advanced Laparoscopic Surgery Associates Medical Group in Fresno, California

Faculty Listing:



Joseph A. Johnson, M.D., F.A.C.S.,
Associate Professor of Surgery;
Chief of Surgery at Highland Hospital

David E. Burns, Jr., M.D., F.A.C.S.,
Assistant Professor of Surgery; Associate
Program Director of General Surgery Residency

William E. O'Malley, M.D., F.A.C.S.,
Assistant Professor of Clinical Surgery;
Director, Bariatric Surgery Center at
Highland Hospital; Program Director, Bariatric
MIS Fellowship Program

Aaron Sabbota, M.D., Ph.D.,
Assistant Professor of Surgery

INNOVATION IN EDUCATION

“URMC has a strong history and legacy of training surgical leaders throughout the country. As we celebrated the 50th anniversary of Schwartz’s Principles of Surgery, we were reminded that the only constant is change. We embrace that change, and we remain at the forefront of developing innovative ways of training the next generation of surgical leaders.”

– David C. Linehan, M.D.



Cancer Control

For 30 years, the Cancer Control Program has conducted translational and cancer care delivery research locally and nationally investigating the prevention and management of side effects from cancer and its treatments. Our funded faculty members are internationally known for their outstanding contributions to the field of supportive care and survivorship, for training new researchers and for being highly collaborative colleagues. They are supported by a combined total of over \$35,000,000 in current extramural NIH grant funding. The recent renewal of the NCORP and other funding resources ensure continual funding of this marquee program.

The Cancer Control Program is “to help good people through lousy times” by working with cancer patients and survivors, their families, and their friends to alleviate their cancer-related toxicities and side effects in order to ultimately improve their quality of care and quality of life.

The program focuses on four areas of impact: 1) to identify the most prevalent and noxious cancer-and cancer-treatment-related toxicities and side effects; 2) to understand the etiology and pathophysiology of these toxicities and side effects; 3) to develop effective treatments to manage these toxicities and side effects; and 4) to disseminate and implement these treatments as part of standard oncologic care.

As we look to the future, our Cancer Control Program will expand upon our highly influential national and international standing as a top oncology supportive care research institute where our work makes it possible to perpetually improve the quality of care for and the quality of life of cancer patients, survivors, and their caregivers.

For the past 30+ years the Cancer Control Program has been successful in competing for funding and the mentorship of future translational researchers. We have a powerhouse team who are experts within their areas of research. The team consists of the following:

- Michelle Janelsins, Ph.D. research focuses on: 1) understanding clinical, psychological, and biological mechanisms of cognitive difficulties in cancer patients 2) investigating interventions to alleviate cognitive difficulties in cancer patients, and 3) translational models of cognitive difficulties in cancer.
- Karen Mustian, Ph.D. runs the PEAK laboratory, which focuses on (T1-T4) research related to all forms of human movement (e.g., physical activity, exercise, and sedentary behavior).
- Charles Kamen, Ph.D. evaluates disparities in cancer research for the LGBTQ population. In his work, he notes that cancer prevalence is higher in this population subset but that it is also underrepresented in the literature.
- Ian Kleckner, Ph.D. evaluates the effect of exercise on chemotherapy induced peripheral neuropathy.
- Luke Peppone, Ph.D. is evaluating treatment option for refractory nausea following chemotherapy, as this is more common than vomiting but there are few effective treatments.

Sincerely,

Gary R. Morrow, Ph.D., M.S.,
Benefactor Distinguished Professor and Director of Cancer Control

CANCER CONTROL

“As we look to the future, our Cancer Control Program will expand upon our highly influential national and international standing as a top oncology supportive care research institute.”

– Gary Morrow, Ph.D.

2019 Selected Highlights

- Cancer Control was awarded a renewal grant in the amount of \$29 million through the NCI Community Oncology Research Program Research Base (URCC NCORP) with Gary Morrow, Ph.D. and Karen Mustian, Ph.D. as Principal Investigators.
- Karen Mustian, Ph.D. received the 2019 Debra Sivesind Career Award.
- Cancer Control was awarded a renewal of their Clinical and Translational Cancer Control Research Training Program through the NCI in the amount of \$2.5 million with Gary Morrow, Ph.D. and Michelle Janelsins, Ph.D. as Principal Investigators.
- Cancer Control was awarded a grant in the amount of \$3 million through the NCI for “Translational Neuroscience Approaches to Cancer-Related Cognitive Impairment: Measure, Mechanisms, and Function” with Michelle Janelsins, Ph.D. as the Principal Investigator.
- Michelle Janelsins, Ph.D. took part in the Society of Behavioral Medicine Leadership Institute in Washington, D.C. in 2019.
- Julia Inglis, Ph.D., Mary Frances Picciano Dietary Supplement Research Program Awardee; Given by the Office of Dietary Supplements, National Institutes of Health, Bethesda, MD.
- Gilberto Lopez, Ph.D. is a current fellow with the Atlantic Fellows for Health Equity through the Milken Institute of Public Health, the George Washington University.
- Nikesha Haynes-Gilmore, Ph.D., was awarded the Association of the American Medical Colleges (AAMC) Junior Faculty Scholar Award.

New Faculty

Elizabeth Belcher, Ph.D., *Research Assistant Professor*

Amber Kleckner, Ph.D., *Research Assistant Professor*

Huiwen Xu, Ph.D., *Research Assistant Professor*



Faculty Listing:

Gary R. Morrow, Ph.D., M.S.,
Benefactor Distinguished Professor and
Director of Cancer Control

Javier Baustia, M.S., M.B.A.,
Senior Research Associate

Elizabeth Belcher, Ph.D.,
Research Assistant Professor

Eva Culakova, Ph.D.,
Research Assistant Professor

Nikesha Haynes-Gilmore, Ph.D.
Research Assistant Professor

Charles Heckler, Ph.D., M.S.,
Research Assistant Professor

Julia Inglis, Ph.D., R.D.,
Research Assistant Professor

Michelle Janelsins, Ph.D., M.P.H.,
Associate Professor of Surgery

Po-Ju Lin, Ph.D.,
Research Assistant Professor

Charles Kamen, Ph.D., M.P.H.,
Assistant Professor of Surgery

Amber Kleckner, Ph.D.,
Research Assistant Professor

Ian Robert Kleckner, Ph.D., M.P.H.,
Assistant Professor of Surgery

Gilberto Lopez, Sc.D., M.A., M.P.H., B.A.,
Research Assistant Professor

Karen Mustian, Ph.D., M.P.H.,
Professor of Surgery

Luke Peppone, Ph.D., M.P.H.,
Assistant Professor of Surgery

Joseph Roscoe, Ph.D.,
Research Associate Professor

Hulwe Xu, Ph.D.,
Research Assistant Professor

Cardiac Surgery

Letter from the Division Chief

Cardiac care has greatly changed in the past decade. At the UR Medicine Cardiac Surgery Division, we are deeply committed to delivering the most comprehensive care, as well as the latest procedures and treatment options for patients of all ages. Our Division serves as the region's only quaternary tertiary care center for patients who have end-stage heart failure, complex aortic disease or who require high-risk cardiac procedures. Plus, our team is responsible for all pediatric cardiac surgery cases from Utica to Buffalo.

To enhance our service offerings, we are working to establish a UR Medicine Heart Center (UR Heart) with a comprehensive heart program that will become the destination for patients locally, regionally, across New York State and beyond. In this new heart center, our residents will be exposed to superior work in the field of cardiac surgery.

On the research front, the Division continues to conduct extensive heart failure research. We are also pursuing the creation of new clinical trials in LVAD and cardiogenic shock, in addition to building a basic science research program. Another goal is to create an endowment to hire research fellows in the near future.

Because patient-centered care is at the heart of all we do, we strive to offer multidisciplinary care. Every member of our cardiac surgery team works in conjunction with cardiologists, vascular surgeons, anesthesiologists, nephrologists, and cardiovascular nurses to offer patients the most comprehensive, technologically advanced care. Our cardiac care providers are highly experienced in their respective specialties, participate in ground-breaking research and, most of all, bring a personal touch and collaborative spirit to every case. We have found that "breaking down" barriers has benefited our patients, as well as led to advancements in cardiac care.

In addition, our cardiac surgery team is rigorous when it comes to evaluating quality, patient care outcomes and areas for improvement. We hold weekly working meetings, we are steeped in data analysis and reporting and we continually pursue a top ranking in performance in internal reporting and public forums. Our ultimate goal is to provide an excellent patient-centered and family experience with each encounter. Word of mouth is the best advertising – and there's nothing more powerful than rave reviews from patients we have treated.

Sincerely,

Sunil M. Prasad, M.D.,
Dr. Jude S. Sauer Family Distinguished Professorship and Chief, Division of Cardiac Surgery

CARDIAC SURGERY

"We are working to establish a UR Medicine Heart Center (UR Heart) with a comprehensive heart program that will become the destination for patients locally, regionally, across New York State and beyond."

– Sunil Prasad, M.D.

2019 Selected Highlights

- Igor Gosev, M.D. and Peter Knight, M.D. received the Health Care Achievement Award for their LVAD Implantation Technique.
- George Hicks, M.D. received the 2019 URMCI Alumni Service Award.
- Igor Gosev, M.D. accomplished his Ph.D. in Minimally Invasive Aortic Valve Surgery.
- The Pediatric Cardiac Consortium of Upstate New York was formed with George Alfieris, M.D. and Nader Atallah-Yunes, M.D. named as co-directors.
- The Cardiac ICU was renovated in efforts to consolidate cardiac care. This move created a growth from 16 to 22 ICU beds. The Pediatric Cardiac Care Center also expanded to 16 beds.
- Cardiac team solidifies national leadership in the use of mechanical pumps. This new heart surgery technique performed first in the U.S. at Strong Memorial Hospital received F.D.A. approval.

New Faculty

Mohamed Algahim, M.D., *Assistant Professor of Surgery*

- Medical degree from Northeast Ohio Medical University School of Medicine
- Thoracic Surgery Residency at the Medical College of Wisconsin Affiliated Hospitals
- Thoracic Transplant Mechanical support Fellow at Duke University Medical Center
- Congenital Cardiac Surgery Fellow at Cincinnati Children's Hospital

Karin Chase, M.D., *Assistant Professor of Surgery*

- Medical degree from SUNY Downstate College of Medicine
- Emergency Medicine Residency at the Kings County Hospital Center
- Critical Care Medicine Fellow at the University of Rochester Medical Center

Faculty Listing:



Sunil M. Prasad, M.D.,
Dr. Jude S. Sauer Family Distinguished Professorship; Associate Professor of Surgery; Chief, Division of Cardiac Surgery

George M. Alfieris, M.D.,
Tansukh, Sarla and Rajesh Ganatra Distinguished Professor in Pediatric Cardiac Surgery, Professor of Surgery and Pediatrics

Mohamed Algahim, M.D.,
Assistant Professor of Surgery

Bryan Barrus, M.D.,
Assistant Professor of Surgery

Karin Chase, M.D.,
Assistant Professor of Surgery and Emergency Medicine

Igor Gosev, M.D., Ph.D.,
Assistant Professor of Surgery

George L. Hicks, M.D.,
Professor of Surgery

Neil G. Kumar, M.D.,
Assistant Professor of Surgery

Peter A. Knight, M.D.,
Marjorie B. Morris Endowed Professor in Cardiac Surgery

Michael Swartz, Ph.D., P.A.,
Assistant Professor of Surgery

Colorectal Surgery

Letter from the Division Chief

The UR Medicine Colorectal Surgery Division has had a very exciting year. We continue to offer our patients the latest, most effective treatments and procedures, including minimally invasive laparoscopic and robotic surgery and grow our expertise in the diagnosis and treatment of colorectal disorders affecting the small intestine, colon, rectum and anus. Our highly skilled surgeons deliver excellence in clinical care and strive to be innovators so that we can continually enhance patient care and our understanding of colorectal diseases.

Our goal continues to be to pursue excellence and further our reputation as a highly lauded top-tier colorectal surgical program. We are working to achieve this by delivering excellence in patient-centered clinical care, innovation, comprehensive education and training, and supporting research to further our knowledge and outcomes. By building a world-class and competitively superior colorectal clinical program, including operative and non-operative services, we continue to elevate the patient and provider experience throughout the continuum of care.

Clinical excellence is critical as we become a highly lauded program. We believe that the creation of “Centers of Excellence” in key areas such as colorectal cancer, inflammatory bowel disease, benign colorectal diseases, dysplasia, pelvic floor, anorectal disease and stoma management will augment the care and experience for our patients. To create these centers of excellence, we are coordinating efforts with our advanced practice providers, social workers, ancillary services and nutrition to optimize the patient experience. We are planning for some critical hires with ancillary support members to facilitate the growth of these centers. We anticipate that we will become the destination for renowned high-quality complex care in lower gastrointestinal diseases in Upstate New York in the next few years.

In order to provide clinical excellence, it is imperative that we support and build our research expertise. The Division has a longstanding reputation for our academic efforts and we published over 20 papers this year focusing on improving the quality of colorectal surgery. We have collaborations with our basic and translational science colleagues that we will be building over the next year. As we take our research to the next level, we will be supporting efforts to embed surgeon scientists within our Division.

We are deeply committed to delivering the most comprehensive, multidisciplinary care – and to do so, training is paramount. It is imperative that we introduce novel technologies to our patients in a very thoughtful way. Therefore, our Division focuses on using novel modalities and emerging technologies to train our residents, the next generation of colorectal surgeons and ourselves. These training techniques include 3D printing, simulation, robotics, didactics, peer coaching, as well as community-based CME. Our advanced practice providers are also very active in the education and training of WOCN, NP and PA students. Our entire division believes in educating our community, trainees and colleagues as is evidenced by our commitment to our city, region and national specialty organization. Our teaching ideally extends into the regions we serve, therefore, we encourage our faculty and staff to be active in the community and have productive “give and take” relationships with referring providers, as well as patients we treat.

Positive, healthy relationships with our patients, community, providers and colleagues will help us achieve the highly sought-after Top 10 ranking in the nation.

Sincerely,

Larissa K.F. Temple, M.D., M.Sc., F.A.C.S., F.A.S.C.R.S.,
Professor of Surgery and Chief, Division of Colorectal Surgery

COLORECTAL SURGERY

“By building a world-class and competitively superior colorectal clinical program, including operative and non-operative services, we continue to elevate the patient and provider experience throughout the continuum of care.”

– Larissa Temple, M.D.

2019 Selected Highlights

- Ongoing clinical growth with increase in minimally invasive surgical procedures and ongoing strong outcome metrics. Enhanced access for patients including a strong APP group providing significant expertise in anorectal diseases and pelvic floor conditions.
- We received designation by the National Accreditation Program for Rectal Cancer, the first program in the Northeast.
- Successful recruitment of Dr. Lisa Cannon from the University of Chicago as an Associate Professor of Surgery.
- All faculty with national leadership positions in the American Society of Colon and Rectal Surgeons, American College of Surgeons, Crohn’s and Colitis Foundation, and Commission on Cancer.
- APPs ongoing professional growth with regional and national leadership.
- Our first ACGME-accredited fellow successfully completed written and oral colorectal surgery exams and is now a boarded colorectal surgeon.
- Received a \$1 Million grant from the Agency for Healthcare Research and Quality for Implementing Patient Reported Outcomes into NSQIP.
- Collaborating with Department of Surgery in developing a surgery value incubator and pilot site for ACS THRIVE project to develop a value based payment model for colon cancer.

New Faculty

Lisa Cannon, M.D., *Associate Professor of Surgery*

- Medical degree from the University of Rochester School of Medicine and Dentistry
- General Surgery Residency at New York Presbyterian Hospital
- Colon and Rectal Surgery Fellow at the University of Chicago Hospitals Medical Center
- Faculty, Assistant Professor, Colorectal Surgery, University of Chicago

Faculty Listing:



Larissa K.F. Temple, M.D., M.Sc., F.A.C.S., F.A.S.C.R.S.,
Professor of Surgery; Chief, Division of Colorectal Surgery; Director of Surgical Health Outcomes & Research Enterprise (SHORE); Program Director, Colon and Rectal Residency Program

Lisa Cannon, M.D., F.A.C.S., F.A.S.C.R.S.,
Associate Professor of Surgery; Director, Surgical IBD Program

Christina Cellini, M.D., F.A.C.S., F.A.S.C.R.S.,
Associate Professor of Surgery; Director of Surgical Endoscopy

Fergal J. Fleming, M.D., M.P.H., F.R.C.S-I, F.A.C.S.,
Associate Professor of Surgery and Oncology; Director, Surgical Health Outcomes and Research Enterprise (SHORE)

Rabih M. Salloum, M.D., M.P.H., F.A.C.S.,
Professor of Surgery; Medical Director, Nutrition Support Services; General Surgery Residency Program Director

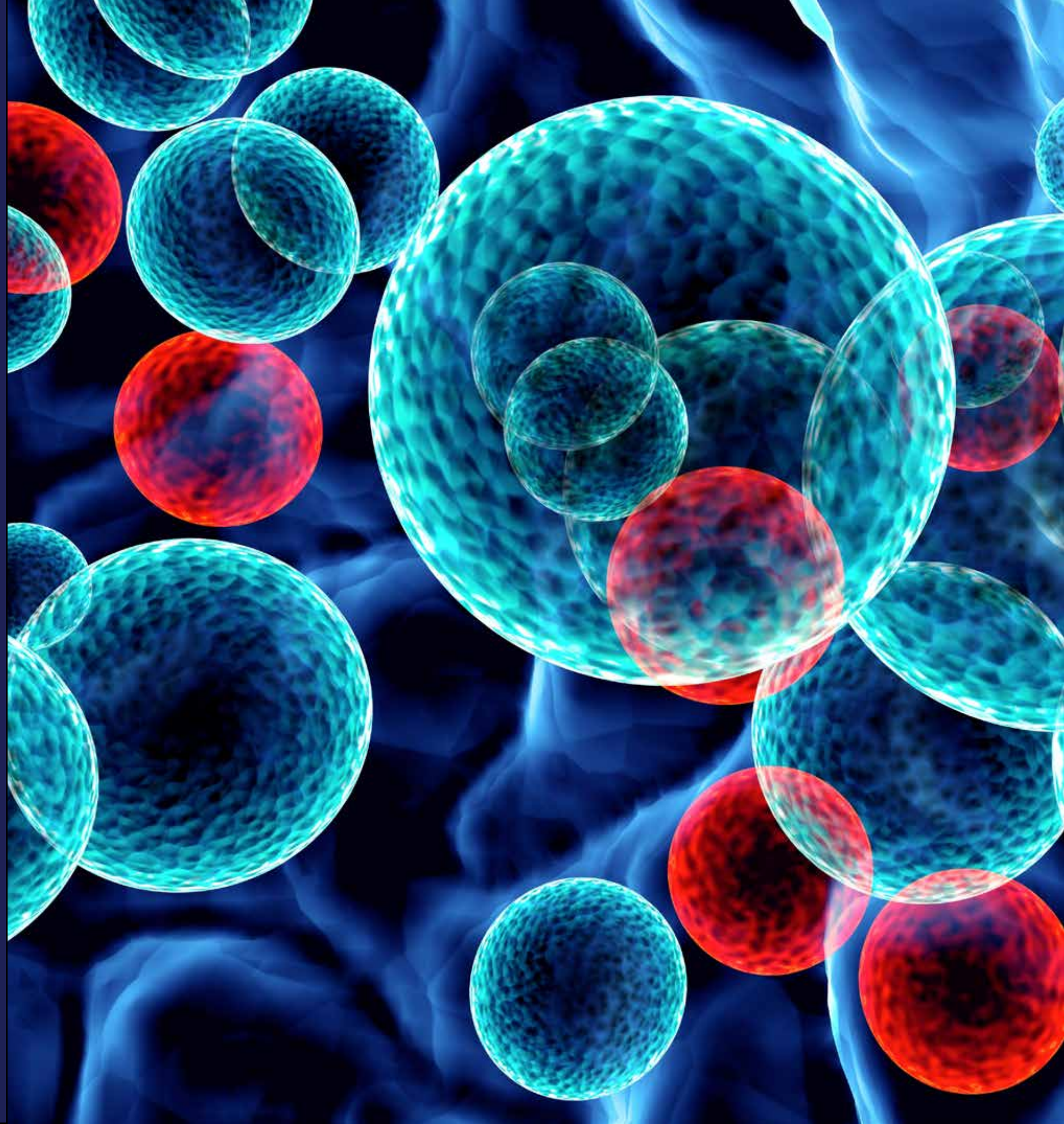
Jenny R. Speranza, M.D., F.A.C.S., F.A.S.C.R.S.,
Associate Professor of Surgery; Director of the Colorectal Physiology Center

Gabriela Poles, M.D., M.P.H.,
Assistant Professor of Surgery

CUTTING-EDGE, IMPACTFUL RESEARCH

“We are known throughout the region as outstanding surgeons who take great care of patients. While this is the bedrock that shapes all we do, as academic surgeons we are driven to do more. At UR Medicine Surgery, we strive for the creation of new knowledge through cutting-edge research that transforms the way we care for patients.”

— David C. Linehan, M.D.



Hepato-Pancreato-Biliary and Gastrointestinal Surgery

Letter from the Division Chief

With expertise in a wide range of malignant and non-malignant disorders of the liver, pancreas and gastrointestinal tract, the UR Medicine Division of Hepato-Pancreato-Biliary and Gastrointestinal (HPB-GI) Surgery is a top surgical program in our region, as well as acknowledged around the world. Our Division utilizes patient-centered, multidisciplinary and collaborative methods to address HPB-GI diseases.

To remain on the frontier of delivering outstanding HPB-GI care, our team continually strives to ensure the ideal patient experience and positive outcomes. We are expanding Enhanced Recovery After Surgery (ERAS) – an effort that helps patients experience a faster recovery, shortened hospital stays and significantly fewer complications – with improved printed and electronic media for patient education. We have also rolled out the ERAS protocol for Whipple procedures, resulting in shorter hospital stays without an increase in repeat admissions. Plus, we are implementing telemedicine to reach more patients in a safe, effective and convenient manner.

Since our Division also has the highest volumes in the region for HPB-GI surgeries, our surgeons are highly skilled in complex procedures such as the Whipple and major liver resections. We are the most advanced in minimally invasive laparoscopic and robotic pancreas and hepatobiliary surgeries in Upstate and Western New York – and are ahead of other centers across the country in performing the most challenging procedures.

As an early adopter of robotics, we are continuing to expand on this technology, offering an increased number of patients a minimally invasive approach to surgery. In the past four years, we have performed 500 robotic surgeries, with most of them occurring in the last two years. We have also seen an increase in patient volume from greater distances, a testament to our outstanding reputation.

Our entire HPB-GI team is excited about the future as our faculty will continue to grow and we plan to establish a fellowship in collaboration with the UR Medicine Transplant Surgery Division. In 2020, we will join forces with our colleagues in the Surgical Oncology Division offering patients finally honed multidisciplinary care in collaboration with Wilmot Cancer Institute. Together, our team of specialists in surgery, medical and radiation oncology and pathology will continue to deliver the best possible care, treatment options and clinical trials.

Sincerely,

Luke O. Schoeniger, M.D., Ph.D.,
Professor of Surgery and Oncology and Chief, Division of Hepato-Pancreato-Biliary and Gastrointestinal Surgery

“The UR Medicine Division of Hepato-Pancreato-Biliary and Gastrointestinal (HPB-GI) Surgery is a top surgical program in our region, as well as acknowledged around the world.”

– Luke Schoeniger, M.D.

2019 Selected Highlights

- “Assessing the magnitude of immunogenic cell death following therapy reveals a new strategy to treat pancreatic cancer.” Ye J., Mills B.N., Zhao T., Han B.J., Murphy J.D., Patel A.A., Johnston C.J., Lord E.M., Belt B.A., Linehan D.C., Gerber S.A. *Cancer Immunology Research*. Vol 8(1) 2020 Jan.
- “Stereotactic Body Radiation and Interleukin-12 Combination Therapy Eradicates Pancreatic Tumors by Repolarizing the Immune Microenvironment.” Mills B.N., Connolly K.A., Ye J., Murphy J.D., Uccello T.P., Han B.J., Zhao T., Drage M.G., Murthy A., Qiu H., Patel A., Figueroa N.M., Johnston C.J., Prieto P.A., Egilmez N.K., Belt B.A., Lord E.M., Linehan D.C., Gerber S.A. *Cell reports*; Vol 29(2) 2019 Oct 08.
- NCI Awards \$2M to Wilmot Team for Pancreatic Cancer Research. Scott Gerber, Ph.D., received a National Cancer Institute \$2 million grant to investigate this new strategy for locally advanced disease. The project is relevant for most patients, who are typically diagnosed after their pancreatic cancer has already begun to spread, making it harder to treat. One of the main problems lies in the microenvironment immediately surrounding the tumor; it consists of toxic proteins that protect cancer cells from being destroyed by the body’s own immune system.
- In 2020, we are pleased to welcome Darren Carpizo, M.D., Ph.D., Professor of Surgery and Oncology; Chief, Division of Surgical Oncology and Vice-Chair of Basic and Translational Research, Department of Surgery.

Faculty Listing:



Luke O. Schoeniger, M.D., Ph.D., F.A.C.S.,
Professor of Surgery;
Chief, Division of Hepato-Pancreato-Biliary
and Gastrointestinal Surgery

Eva Galka, M.D., F.A.C.S.,
Associate Professor of Surgery

David C. Linehan, M.D., F.A.C.S.,
Professor of Surgery and
Seymour I. Schwartz Professor and
Chair of Surgery

Seymour I. Schwartz, M.D.,
Distinguished Alumni Professor of Surgery

Center for Tumor Immunology:

Scott Gerber, Ph.D.,
Associate Professor of Surgery and
Microbiology and Immunology, Radiation
Oncology and Oncology

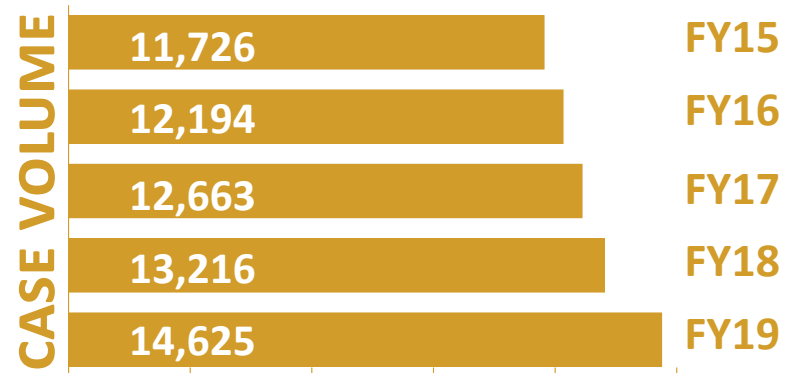
Jian Ye, Ph.D.,
Research Assistant Professor of Surgery

SURGERY BY THE NUMBERS

CLINICAL

PEOPLE

80+ FACULTY
300+ STAFF



THE REGION'S ONLY

- Level 1 Trauma Center
- Verified Burn Center
- Living Donor Liver Transplant Program
- Upstate Pediatric Cardiac Surgery program
- Accredited Rectal Surgery Program
- Simulation Program for Robotic Surgery

NUMBER OF DIVISIONS • 11

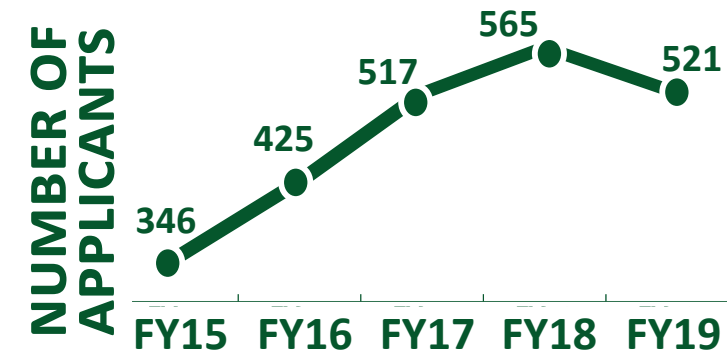
NEW PATIENT VISITS IN 2019 • 21,552

EDUCATION



RESIDENTS AND FELLOWS

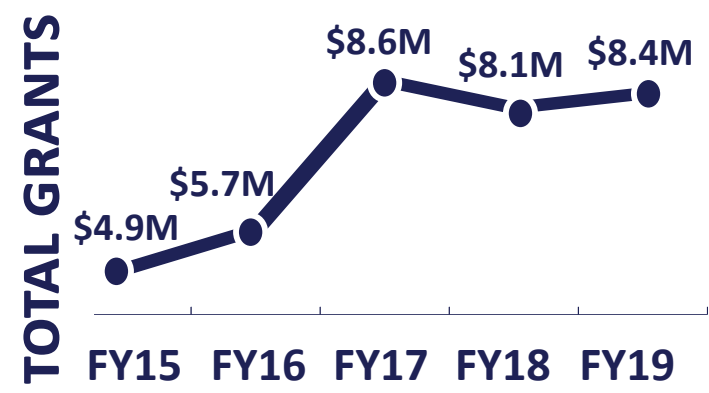
47 GENERAL SURGERY RESIDENTS
12 RESEARCH FELLOWS



8 RESIDENCY AND FELLOWSHIP PROGRAMS

- Bariatric and GI
- Breast
- Cardiothoracic
- Colorectal
- Critical Care
- General
- Plastic
- Vascular

RESEARCH



FUNDING

\$7,859,386 NIH GRANTS
\$8,379,190 TOTAL SPONSORED RESEARCH

NEW GRANT AWARDS • 11

CULTURE



COUNTRIES REPRESENTED BY FACULTY • 15
REGIONAL SITES OF CARE • 18
PERCENT WOMEN FACULTY • 32%

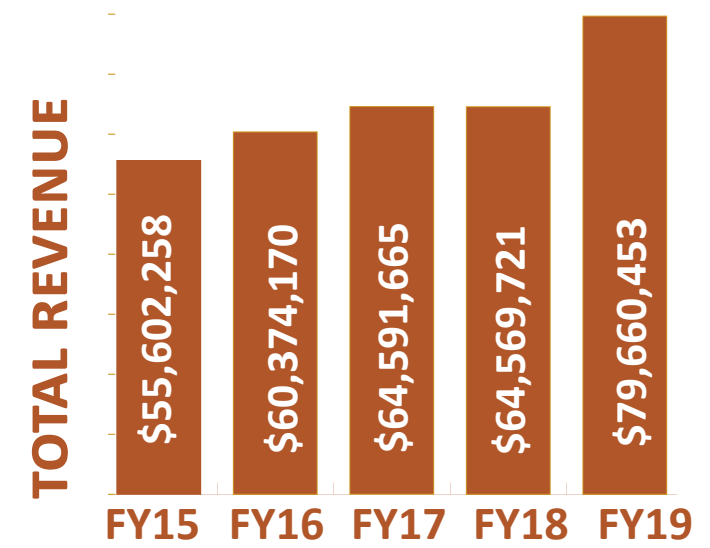
STRENGTH



TOTAL REVENUE
\$80,000,000

NEW FACULTY
45 FROM 2014-2019

NEW ENDOWED PROFESSORSHIPS
5 FROM 2014-2019



Pediatric Surgery

Letter from the Division Chief

The Division of Pediatric Surgery is dedicated to the goal of helping children with surgical needs get better, and ultimately returning them to their families that need their children to become whole. Within the Golisano Children's Hospital environment, our team of surgeons, nurse practitioners, and administrative support believes that the best care requires input from a host of providers, including the patient's pediatrician, sub-specialists, nurses, therapists and social workers. Our common goal is to ensure the health and well-being of each and every child.

To continue to provide pediatric patients with superior care, we are seeking to obtain Level I Certification from the American College of Surgery for pediatric trauma. Our division is leading multidisciplinary groups to bring evidence-based approaches to common diagnoses such as complicated pneumonias, and to standardize the care for children throughout the entire campus. We are partnering with other pediatric subspecialists to update patient care guidelines and to explore innovative methods of educational delivery to trainees, nurses and families. We pledge to continually review outcomes in a transparent and thoughtful manner in order to achieve the highest standards of patient care.

We are strengthening our partnerships with our pediatric specialists in cancer, critical care and gastroenterology. We are also enhancing the current model of prenatal care for mothers who have unborn babies with surgical problems. We have partnered with our obstetric colleagues and our neonatologists to provide comprehensive proactive prenatal consultation to optimize outcomes for both the mother and her child. As our Division evolves and grows, we look forward to collaborating with the UR Medicine Colorectal Surgery Division to treat children who have anorectal malformation and inflammatory bowel diseases. We will also work together with Gynecology, Endocrinology, Urology and Thoracic Surgery to care for children with ambiguous genitalia and chest wall anomalies.

Our future will include the creation of a surgical anomalies database that will focus on longitudinal clinical outcomes and quality of life. In addition we are seeking to achieve the American College of Surgeons (ACS) Level 1 Children's Surgery Verification (CSV), the highest tier of surgical care for children.

UR Medicine Pediatric Surgery Division and Golisano Children's Hospital have an incredible foundation that was built on the shoulders of Dr. Walter Pegoli. There is tremendous potential to take the care we provide to the next level. By providing children with excellent care, we are caring for and protecting our future. As we look ahead, we aspire to become the premier pediatric surgery program in the region.

Sincerely,

Marjorie J. Arca, M.D.,

Joseph M. Lobo II Professor in Pediatric Surgery and Chief, Division of Pediatric Surgery; Surgeon-in-Chief, Golisano Children's Hospital

PEDIATRIC SURGERY

**"By providing children with excellent care,
we are caring for and protecting our future."**

– Marjorie Arca, M.D.

2019 Selected Highlights

- Our Division continues to engage in long-term outcomes research in patient and family quality of life.
- We are creating a standard curriculum for students in pediatric surgery and evaluating our current curriculum for residents, taking their feedback into account.
- We are leveraging data from the American College of Surgeons National Surgical Quality Improvement Program (ASC NSQIP®) for a Golisano Children's Hospital system-wide accountability of quality. Derek Wakeman, M.D. is spearheading our quality and safety initiatives.
- Our Division will be establishing the Walter Pegoli, M.D. Lectureship, an annual educational symposium, plus a regional collaborative for research, quality and safety that includes Buffalo, Syracuse and Albany.
- For trauma and cases involving violence, we plan to implement systemic, multidisciplinary and long-term follow up for mental, psychosocial and physical aspects of patient care.

New Faculty

Marjorie J. Arca, M.D., *Professor of Surgery and Chief*

- General Surgery Residency at the University of Michigan Medical Center
- Advanced Laparoscopic Digestive Surgery Fellow at the Cleveland Clinic Foundation
- Pediatric Surgery Fellow at C.S. Mott Children's Hospital, University of Michigan

Michael Livingston, M.D., M.Sc., *Assistant Professor of Surgery*

- Medical degree from Schulich School of Medicine and Dentistry at Western University, London, Canada
- General Surgery residency at McMaster University, Hamilton
- Pediatric Fellow at McMaster University, Hamilton

Faculty Listing:



Marjorie J. Arca, M.D., F.A.C.S.,
Joseph M. Lobo II Professor in Pediatric Surgery; Chief, Division of Pediatric Surgery; Surgeon-in-Chief, Golisano Children's Hospital

Michael Livingston, M.D., M.Sc.,
Assistant Professor of Surgery

Walter Pegoli, Jr., M.D.,
Professor of Surgery and Pediatrics

Derek S. Wakeman, M.D., F.A.C.S.,
Assistant Professor of Surgery and Pediatrics; Pediatric Trauma Medical Director

Shaping Our Destiny...from a Strong Legacy to a Bold Future



Our Vision:

We are widely renowned as a vital and enduring source of remarkable talent, capabilities, and ingenuity with the promise of results that offer infinite hope for our patients and communities.



Our Mission:

With an unrelenting focus on our patients, we provide extraordinary surgical care; create new knowledge through research; and develop future surgeons, researchers, and leaders across a broad range of specialized of expertise.



Our Values:

- Patient-and-Family-Centered Care • Dignity, Respect, Diversity, and Inclusion
- Duty to Mentorship and Accountability • High-Quality and High-Performance
- Collaboration and Camaraderie • Courage to Innovate • MELIORA!

Department of Surgery
2020-2024 Strategic Plan



Integrated with Division Strategies

Abdominal Transplant and Liver Surgery
Acute Care Surgery
Bariatric and GI Surgery
Cancer Control
Cardiac Surgery
Colorectal Surgery
Hepato-Pancreato-Biliary and
Gastrointestinal (HPB-GI) Surgery
Pediatric Surgery
Pediatric Cardiac Surgery
Plastic and Reconstructive Surgery
Regional General Surgery
Surgical Oncology
Thoracic and Foregut Surgery
Vascular Surgery

Our Strategic Goals

Outstanding Clinical Programs	Innovation in Education	Cutting-Edge, Impactful Research	A Prosperous Culture	Enduring Strength and Resilience
<p>Build outstanding clinical programs within our health care system and throughout our super-regional catchment area.</p> <ul style="list-style-type: none">• Deliver exemplary patient experiences across the full care continuum.• Develop and expand specialized, complex, tertiary, and quaternary care programs.• Pursue continuous quality improvement and superior patient outcomes.	<p>Advance our specialized expertise with dedication to and innovation in our education programs.</p> <ul style="list-style-type: none">• Demonstrate commitment to innovation and excellence in our education programs.• Engage medical students to spark early interest in careers as surgeons and scientists.• Provide outstanding resident training and learning experiences.• Extend education and community outreach to consumers, physicians, and other practitioners.	<p>Excel in cutting-edge, impactful research with a passion for exploration and discovery.</p> <ul style="list-style-type: none">• Elevate our basic and translational research programs.• Expand and succeed in our clinical trials.• Be innovative in our approaches to research and research training.	<p>Champion and realize a prosperous culture for all faculty and staff.</p> <ul style="list-style-type: none">• Foster a supportive, motivating, and mobilizing culture and work environment.• Ensure a diverse workforce and the practice of inclusion throughout the department.• Encourage meaningful community engagement and citizenry.	<p>Enable our success through enduring financial strength and organizational resilience.</p> <ul style="list-style-type: none">• Refine our governance, leadership, and departmental structure.• Achieve operational excellence and strategic accomplishment.• Ensure financial strength and appropriate transparency in financial performance.



MELIORA! in Action:

- Greater Sub-specialization & Centers of Excellence
- Regional Expansion & Partnerships
- Transformed Quality & Patient Outcomes

- Enhanced Workforce & Trainee Wellness
- Use of Novel Modalities & Emerging Technologies
- Value-Based Patient Care Decision-Making

- Next Generation of Talented Surgeons & Scientists
- Maximized Clinical Trial Opportunities for Patients
- Robust Citizen Engagement & Education

- Celebration of Diverse Cultures
- Increased Extramural Funding for Research
- Mission Critical Endowed Chairs

Plastic and Reconstructive Surgery

Letter from the Division Chief

The field of plastic surgery has evolved and grown in recent years. Our goal at the UR Medicine Plastic Surgery Division is to become the leading plastic surgery program in our region, as well as a center of excellence in the nation.

As always, our entire team is laser-focused on delivering a superior patient/family experience from pre-operative to inpatient to post-operative care. This high level of care is also found in our outpatient and clinic settings. When patients entrust us with their care, they can be confident knowing we will always give them our best.

With sub-specialty care in burn, wound and pediatric care, our Division is also a breeding ground for excellence and innovation in clinical research and educational endeavors with top-ranking surgeons and scientists.

In the past year, we have added an important component to our Division – we have established our own laboratory for nerve regeneration research, under the supervision of Jonathan Leckenby, M.B.B.S., Ph.D. We now provide essential clinical services for adult and pediatric patients with conditions such as Bell’s Palsy, facial paralysis due to tumor removal and congenital abnormalities. We are most excited about our research efforts studying molecular mechanisms that enhance nerve repair and enable us to “restore smiles.”

Additionally, an expert in hand, upper and lower extremity reconstruction has joined our team, Patrick Reavey, M.D. We also have an on-staff plastic surgeon who performs “gender affirming” surgeries for the transgender population, and we have expanded our range of breast reconstructive services. Whenever our surgical oncologists are in need of our services, we are always available to provide our expertise. We are also continuing to work hand in hand with the Department of Pediatrics to establish Golisano Children’s Hospital as the “go-to” destination in Upstate New York with our focus in pediatrics and craniofacial surgery.

We continually refine and enhance the services we provide for patients undergoing cancer treatment, especially the breast cancer patient. Our team of expert surgeons offers that latest most sophisticated surgical solutions for our patients. We are rapidly developing solutions for patients with lymphedema, so look forward to this in the near future.

Since cosmetic surgery and body contouring are rapidly growing arenas in plastic surgery, we are pursuing opportunities to satisfy the demand for these procedures. As we continue to collaborate and build relationships with other divisions, our regional affiliates and primary care providers, our Plastic Surgery Division is poised for future growth and success in all aspects of our scope of services.

Sincerely,

Howard N. Langstein, M.D.

Professor of Surgery and Vice Chair of Faculty Development, Affairs and Mentoring; Chief, Division of Plastic and Reconstructive Surgery

PLASTIC AND RECONSTRUCTIVE SURGERY

“Our goal at the UR Medicine Plastic Surgery Division is to become the leading plastic surgery program in our region, as well as a center of excellence in the nation.”

– Howard Langstein, M.D.

2019 Selected Highlights

- Our Kessler Burn & Trauma Center, which delivers expert burn care to the region and beyond, was reaccredited.
- Clinton S. Morrison, M.D. was named our Residency Program Director. He also continues to enhance our pediatric plastic surgery services throughout the institution, region and worldwide.
- Jose G. Christiano Neto, M.D. participated in the inauguration and welcoming festivities for Sarah C. Mangelsdorf, the University of Rochester President, on October 4th, 2019 with colleagues from Eastman Dental. They presented a difficult multidisciplinary case for a patient with an ameloblastomas tumor.
- Elaina Chen, M.D. is working toward establishing a unified wound program throughout Strong Memorial Hospital.

New Faculty

Patrick Reavey, M.D., M.S., *Assistant Professor of Surgery and Orthopaedics*

- Medical degree from Columbia University, College of Physicians and Surgeons
- General Surgery Residency at Columbia University Medical Center
- Hand Surgery Fellow at the University of California Medical Center in Irvine

Faculty Listing:



Howard N. Langstein, M.D., F.A.C.S.,
Professor of Surgery; Vice Chair of Faculty Development, Affairs and Mentoring; Chief, Division of Plastic and Reconstructive Surgery

Derek E. Bell, M.D.,
Associate Professor of Surgery; Burn Director for the Kessler Burn Center

Ronald P. Bossert, M.D.,
Associate Professor of Surgery;
Director, Life After Weight Loss Program

Elaina Chen, M.D.,
Assistant Professor of Surgery

Jose G. Christiano Neto, M.D., F.A.C.S.,
Associate Professor of Surgery

Jonathan I. Leckenby, M.B.B.S., Ph.D.,
Assistant Professor of Surgery

Clinton S. Morrison, M.D.,
Assistant Professor of Surgery,
Dentistry and Pediatrics;
Director, Cleft and Craniofacial Center,
Golisano Children’s Hospital;
Program Director, Plastic Surgery Integrated
Residency Program

Patrick Reavey, M.D., M.S.,
Assistant Professor of Surgery
and Orthopaedics

Regional General Surgery

Letter from the Division Chief

High-quality surgical care is desperately needed in rural communities. To meet the healthcare needs of individuals located in New York's Southern Tier and Finger Lakes region, UR Medicine has expanded our footprint to offer patients in these areas a complete range of general surgical services, state-of-the-art technologies and techniques such as minimally invasive and laparoscopic procedures.

The four UR Medicine hospital affiliates – Noyes Memorial, Jones Memorial, St. James and F.F. Thompson – serve as anchors in the communities of Dansville, Wellsville, Hornell and Canandaigua. By establishing a collaborative and unified surgical program, our Division of Regional Surgery continues to help our affiliates overcome the challenges they face and deliver the best possible surgical care at the local level. Secondly, the Division provides education for medical students and residents, exposing them to the need for rural surgeons, as well as the benefits of operating a practice in rural areas.

By keeping patients close to home and near their support networks when having surgery, we are playing an instrumental role in providing a service that is extremely necessary, while enabling UR Medicine to grow and thrive on quaternary care. We are also creating operational efficiencies and optimizing the capabilities of our affiliate hospitals to help them grow and prosper as well.

The Division of Regional Surgery is dedicated to building synergistic partnerships with and among targeted affiliate hospitals and referring providers to create seamless points of entry into the UR Medicine system, and ultimately, to improve the patient experience. When our patients step into any UR Medicine facility, they can be confident knowing they will receive the highest level of care throughout the system. We have a streamlined approach to providing patients with the care they need – from pre-operative work-ups to surgery to post-operative care. Since we remain committed to raising the bar for quality, patients can have more faith in staying close to home for their surgical care.

In addition, we have aligned ourselves with other Divisions and Departments throughout UR Medicine to offer conferences and educational opportunities for regional surgeons. Fostering relationships with our regional counterparts is now a two-way street. They can depend on us to assist them in providing the best possible patient-centered care.

Sincerely,

Brian Watkins, M.D., M.S., F.A.C.S.

Associate Professor of Clinical Surgery and Chief, Division of Regional Surgery

REGIONAL GENERAL SURGERY

“The Division of Regional Surgery is dedicated to building synergistic partnerships with and among targeted affiliate hospitals and referring providers to create seamless points of entry into the UR Medicine system, and ultimately, to improve the patient experience.”

– Brian Watkins, M.D.

2019 Selected Regional Highlights

- The regional team created a rural experience clerkship for LECOM medical students and have participated in resident endoscopy training.
- The regional team performed the first laparoscopic colon resection in the region and since have done ten with average length of stay of three days and no leaks or major complications.
- Introduced enhanced recovery protocols, surgical site infection (SSI) protocols, DVT, prophylaxis at our regional hospital affiliates; implementing the UR Medicine surgical quality standards.
- Adam Basler, M.D. initiated a regional colorectal surgery journal club involving faculty from UR Medicine and our regional affiliates.

2019 Selected Community Highlights

- John Risolo, M.D. continues to bring his expertise in a broad range of general surgical procedures and has significantly increased the overall OR volume at Strong West, including performing elective gallbladder surgeries in an ASC setting.

New Faculty

Du Van Nguyen, M.D., M.S., *Assistant Professor of Surgery*

- Medical degree from Tulane University
- General Surgery Residency at Bassett Health Care

Faculty Listing:

Regional General Surgery:



Brian Watkins, M.D., M.S., F.A.C.S.,
Associate Professor of Clinical Surgery;
Chief, Division of Regional Surgery

Adam Basler, M.D., M.S.,
Assistant Professor of Clinical Surgery

Du Van Nguyen, M.D., M.S.,
Assistant Professor of Clinical Surgery

Community General Surgery:



John P. Risolo, M.D., F.A.C.S.,
Associate Professor of Clinical Surgery

A PROSPEROUS CULTURE

“Our people are our greatest assets. We attract the best faculty and trainees from around the world, and we celebrate our culture of diversity and inclusion. Surgery is a team sport, and high functioning teams build on a culture of trust, giving everyone a voice and holding each other accountable. We pride ourselves on fostering a supportive environment where we help each other achieve success.”

— David C. Linehan, M.D.



Surgical Oncology

Letter from the Division Chief

UR Medicine's Division of Surgical Oncology is committed to building upon and enhancing the regional and national reputation of our three oncologic service lines through outstanding clinical care, cutting-edge research and excellence in education.

Our goal is to develop enhanced clinical programs in our three service lines: breast, endocrine and skin/soft tissue through the development of treatment guidelines, core processes and research protocols. For the breast program we are developing an enhanced high risk program and a multidisciplinary program for the treatment and prevention of lymphedema.

This is an exciting time of growth for our Division. Our team plans for the continued expansion of our Breast Program. We also look forward to creating a dedicated Endocrine Center offering multidisciplinary care in conjunction with Endocrinology and recruiting faculty and staff members to care for patients in a new clinic devoted to skin/soft tissue services. As we look ahead to the future, we remain dedicated to optimizing our operations, quality and patient care outcomes.

To assist us in achieving our goals, we continue to work with Wilmot Cancer Institute and departmental administration to troubleshoot critical operational issues, and to improve patient and provider experiences. We will use robust breast, endocrine and skin/soft tissue databases to support quality assurance and research and work to create a skills lab to provide simulation opportunities including examination skills, imaging interpretation, ultrasound and biopsy techniques. Plus, we will be establishing a breast fellowship and exploring the creation of an endocrine surgery fellowship. Our residents will be engaged in the full spectrum of clinical care and quality improvement initiatives during their dedicated rotations on our service.

Finally, in an effort to improve access to optimal care for patients with breast, endocrine and skin/soft tissue diseases, we are fostering relationships and collaborating with the Division of Regional Surgery, our regional affiliates and regional referring physicians to develop and establish standards of care that are consistent with the UR Medicine brand of multidisciplinary treatment, specialization and delivering "Medicine of the Highest Order." Through our regional outreach and education, providers and patients alike will learn about access to the highest quality cancer care, prevention and participation in clinical trials.

Sincerely,

Kristin A. Skinner, M.D., F.A.C.S.,

Associate Professor of Surgery and Oncology, Chief, Division of Surgical Oncology, and Director of the Wilmot Cancer Institute Comprehensive Breast Care at Pluta

SURGICAL ONCOLOGY

"We are steadfastly committed to building upon and enhancing the regional and national reputation of our three oncologic service lines through outstanding clinical care, cutting-edge research and excellence in education."

– Kristin Skinner, M.D.

2019 Selected Highlights

- Jacob Moalem, M.D. accepted the role of Director of Surgical Quality and Safety in the Department of Surgery.
- Jacob Moalem, M.D. treasurer of the American College of Surgeons New York State Chapter; he is also a named governor.
- In 2020, we are pleased to welcome Darren Carpizo, M.D., Ph.D., Professor of Surgery and Oncology; Chief, Division of Surgical Oncology and Vice-Chair of Basic and Translational Research, Department of Surgery.
- Melanoma Research, led by Peter Prieto, M.D., M.P.H., investigates mechanisms of immune evasion by tumors to targeted and immune checkpoint blockade and prognostic markers of response to immune based therapies including adoptive cell therapy.

Faculty Listing:



Kristin A. Skinner, M.D., F.A.C.S.,

Associate Professor of Surgery and Oncology; Chief, Division of Surgical Oncology; Director of the Wilmot Cancer Institute Comprehensive Breast Care at Pluta; Program Director, SSO Breast Fellowship Program

Rachel L. Farkas, M.D., F.A.C.S.,

Assistant Professor of Clinical Surgery

Jessica Gooch, M.D.,

Assistant Professor of Surgery

Jacob Moalem, M.D., F.A.C.S.,

Associate Professor of Surgery and Medicine

Ann Olzinski-Kunze, M.D.,

Assistant Professor of Clinical Surgery

James L. Peacock, M.D., F.A.C.S.,

Professor of Surgery

Peter Prieto, M.D., M.P.H., C.M.Q.,

Assistant Professor of Surgery; Director, Translational Cancer Biorepository; Chair, Melanoma/Sarcoma Disease Working Group; Associate Program Director for Research General Surgery Program

Thoracic and Foregut Surgery

Letter from the Division Chief

In 2018, the Thoracic and Foregut Surgery Division at UR Medicine introduced the patient navigator to help guide patients at each step of the healthcare process, from initial clinic visits to testing, procedures and post-operative care. The goal: to make each patient experience a positive one. Enhancing patient relations will help our Division to achieve this goal. Plus, it will help ensure that the care experience is seamless as we continue to grow.

Due to the success of the patient navigator, in 2019, our Division expanded on the concept by reaching out to new referral patients before they are seen in clinic to determine their needs. Our first concern is the convenience and safety of each patient, while ensuring appropriate care in the correct setting. This helps patients, especially those traveling from outlying areas, to avoid uncoordinated appointments and multiple trips to our hospital and clinics. Our goal is for patients who come from 100+ miles away to expect to receive the same timely and quality care and attention as those patients who live locally.

Our Division has also expanded our paper and electronic resources for patients to aid in the initial contact with new referrals, as well as assist with care of active patients and those in surveillance. Many of our patients have long-standing relationships with our surgeons, some lasting five or more years. By creating a “virtual clinic” that is similar to telemedicine, patients may no longer need to come to our hospital clinic for every visit. Additionally, we currently consult with many primary care providers by phone but are looking to establish a more formal, structured process for virtual or “e-consults” in addition to developing satellite clinics in the community.

As the only full-service Thoracic and Foregut Surgery Division in the region, we perform more minimally invasive surgeries than any other group in upstate New York, including minimally invasive esophagectomy, VATS and robotic lobectomy, benign esophageal and gastric surgery along with the full complement of airway, lung, chest wall, and mediastinal resections. Our Division has an extensive expertise in basic and complex endoscopic and bronchoscopic procedures and therapies including airway and esophageal stenting and esophageal endoscopic mucosal resections and ablations. Our Division also continues to expand with new technologies and we are the first in our region to offer peroral endoscopic myotomy (POEM) for the treatment of achalasia and spastic esophageal motility disorders. We also continue to provide a unique service, an esophageal motility lab to assist gastroenterologists in diagnosing and assessing benign esophageal conditions such as GERD and motility disorders.

Along with Upstate University Hospital in Syracuse and Roswell Park in Buffalo, we are collaborating to create a more regional approach to thoracic surgery in Western New York. Our Division is setting the standard for what thoracic surgery should look like in our area. We are the only training program in our region for cardiothoracic surgery, with the next closest program in Albany. This is a huge differentiator for the UR Medicine Thoracic and Foregut Surgery Division.

Sincerely,

Carolyn E. Jones, M.D.

Associate Professor of Surgery and Chief, Division of Thoracic and Foregut Surgery

THORACIC AND FOREGUT SURGERY

“Our goal is to make each patient experience a positive one. Enhancing patient relations will help our Division to achieve this goal.”

– Carolyn Jones, M.D.

2019 Selected Highlights

- During the year, the Division hosted quarterly events, such as carnivals, painting parties and more to bring its “internal community” together and help build camaraderie and teamwork.
- The Division continued to hold quarterly Thoracic Oncology dinners to educate all providers who touch lung cancer, as well as share information about the latest treatments and technologies.
- Our team participated in the American Lung Association’s Fight for Air Climb for the fifth consecutive year.
- In November 2019, we initiated a program for middle and high school students in Rochester public schools to educate them about the risks of smoking and vaping. Our surgeons and nurse practitioners, plus medical and radiation oncologists and pathologists, participated in the lectures, enabling students to learn about their roles in the hospital and future career opportunities. Since this program has been highly successful, we have been asked to continue it throughout 2020.

Faculty Listing:



Carolyn E. Jones, M.D., F.A.C.S.,
Associate Professor of Surgery;
Chief, Division of Thoracic and Foregut Surgery

David C. Kaufman, M.D.,
Professor of Surgery; Director, Adult Critical
Care; Professor of Surgery, Medicine,
Anesthesia, Medical Humanities and Urology

Michal J. Lada, M.D.,
Assistant Professor of Surgery

Christian G. Peyre, M.D.,
Associate Professor of Surgery;
Program Director, Cardiothoracic Integrated
Surgery Residency Program

Joseph J. Wizorek, M.D.,
Associate Professor of Surgery

ENDURING STRENGTH AND RESILIENCE

“Through operational excellence and our quest for ‘Meliora’, we are proud stewards of our rich legacy. In the preface to the 11th Edition of Schwartz’s Principles of Surgery, Seymour Schwartz, M.D. quotes Thomas Carlyle, the 19th century Scottish philosopher: ‘Nothing that was worthy departs; no truth or goodness realized by man ever dies, or can die; but it is all here, and recognized or not, lives and works through endless change’.”

— David C. Linehan, M.D.



Vascular Surgery

Letter from the Division Chief

When it comes to providing state-of-the-art technologies and treatments for cardiovascular diseases, the UR Medicine Vascular Surgery Division strives to deliver the best possible patient care, no matter what the complexity of the illness. As we continue to grow and expand throughout our region, we are also seeking to earn a national reputation – and attain external validation – as a Top 20 training program for vascular surgery.

To assist in this effort, we have reorganized our Division around five sub-specialty areas or “domains” – aortic disease, limb preservation, cerebral vascular, vein disease and imaging. Additionally, we have established a faculty physician champion and high-performing team, including a minimum of one resident and a nurse, for each sub-specialty area. Our goals are to organize individual teams around patient disease states, drive quality improvement and collaborate across sub-specialty teams to find synergies, share resources and identify issues and opportunities for improvement.

As vascular surgeons, our team looks at ways to comprehensively manage diseases systemically using surgical and non-surgical options. We determine our patients’ risk factors and offer truly personalized solutions to get them on a pathway to health. Our five multi-disciplinary, patient-centered “ecosystems of excellence” allow us to deliver comprehensive, structured and tailored patient care – which results in positive patient experiences and optimal outcomes.

Our Division also remains committed to working in collaboration with our regional affiliates through our physical presence and by establishing an algorithm for effectively managing patients in all areas of our surgical domains. Patients who entrust us with their care can depend on us to bring our expertise and world-class surgical care to them at the local level. Satellite clinics throughout the region to enhance patient care and serve as feeders to surgical demand are in the planning stages.

Beyond delivering outstanding patient care, our Division is devoted to fostering an environment where our faculty members feel enriched and fulfilled in their jobs and are provided with ongoing opportunities to work as clinicians and academicians. We also attract the most talented residents to our program, offering trainees high case volumes and career development in vascular surgery and research. Our Division is rapidly becoming the “go-to” destination for the most complex disease states – and every day, we continue to make contributions to and advance the field of vascular surgery.

Sincerely,

Michael C. Stoner, M.D.

Professor of Surgery and Chief, Division of Vascular Surgery

VASCULAR SURGERY

“We are seeking to earn a national reputation – and attain external validation – as a Top 20 training program for vascular surgery.”

– Michael Stoner, M.D.

2019 Selected Highlights

- Doran Mix, M.D. joined our Division after completing his fifth year as an integrated vascular surgery resident.
- Successful IAC re-accreditation for all four vascular imaging sites and Vein Center.
- Recognized as a three-star Vascular Quality Initiative Program.
- Integrated Vascular Surgery Residency complement increase.
- Initiation of three Individual Device Exemption clinical trials: Gore TAMBE Thoracoabdominal Graft, Terumo Cross-Seal, RFPI Multi-Spectral Physiologic Visualization (MSPV).
- Re-establishment of cardiovascular engineering laboratory.

New Faculty

Doran Mix, M.D., Assistant Professor of Surgery

- Medical degree from the University of Rochester School of Medicine and Dentistry
- Vascular Surgery Residency at the University of Rochester Medical Center
- Advance Aortic Endovascular Surgery Fellow at the Mayo Graduate School of Medicine

Faculty Listing:



Michael C. Stoner, M.D., F.A.C.S.,
Professor of Surgery;
Chief, Division of Vascular Surgery;
Program Director, Vascular Surgery Integrated
Residency Program

Adam Doyle, M.D., F.A.C.S.,
Assistant Professor of Surgery

Jennifer L. Ellis M.D., F.A.C.S.,
Associate Professor of Surgery;
Director of Vein Center

Roan Glocker, M.D., M.P.H., F.A.C.S.,
Assistant Professor of Surgery;
Director of Third Year Medical
Student Clerkship

Doran Mix, M.D.,
Assistant Professor of Surgery

Craig Narins, M.D., M.P.H.,
Associate Professor of Medicine
and Surgery

Kathleen G. Raman, M.D., F.A.C.S.,
Associate Professor of Surgery

Christopher D. Scibelli, M.D., F.A.C.S.,
Associate Professor of Clinical Surgery
and Clinical Imaging Sciences

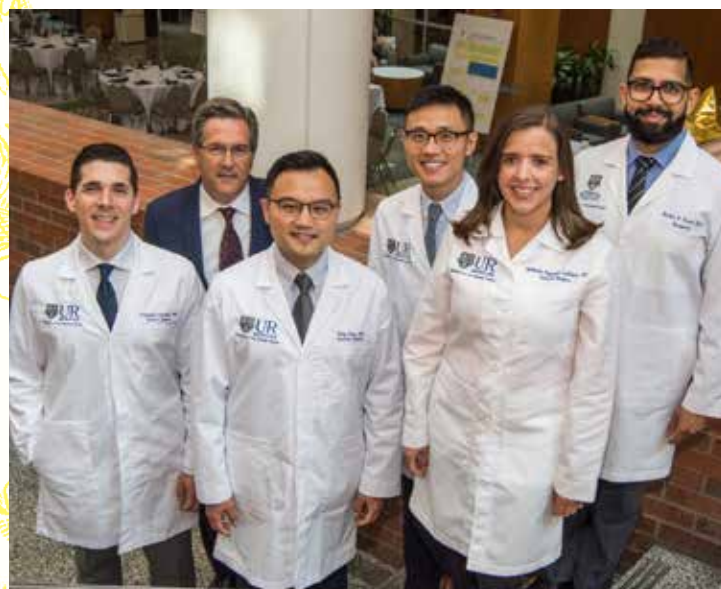
Basic Science Research:

Eileen M. Redmond, Ph.D.,
Associate Professor of Surgery;
Pharmacology & Physiology

Education

The Department of Surgery strives to be recognized as a premier academic surgical education program with outstanding outcomes at all levels of training. The Department is focused on advancing our specialized expertise with dedication to and innovation in our education programs. The Department of Surgery currently administers seven ACGME accredited residency/fellowship programs in Cardiothoracic Surgery, Colon and Rectal Surgery, General Surgery, Plastic Surgery, Vascular Surgery and Surgical Critical Care as well as a SSO accredited Breast Fellowship, and a Departmental Bariatric MIS Fellowship. The General Surgery Residency Program is the largest of these programs with 47 residents.

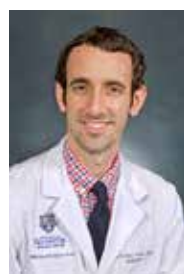
Chief Residents:



**David Linehan, M.D. and General Surgery
Chief Residents 2019-2020**

From left to right: Francesco Cardelli, M.D.; Chuck Zhao, M.D.; Nathania Figueroa-Guilliani, M.D.; David Linehan, M.D.; Tim Xu, M.D.; Ankit Patel, M.D.

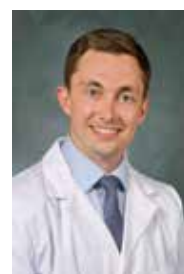
Since 1927, the Department has developed outstanding surgeons and has been recognized as one of the top tier surgical training programs in the country. Our program thrives on the three-part foundation of practical clinical experiences; a thorough, competency based curriculum; and meaningful research opportunities to deepen understanding of the surgical sciences. We design our program to develop exceptional, well-rounded, and sought-after leaders in surgery.



Christian Probst, M.D.
Cardiothoracic Surgery



Katherine Wood, M.D.
Cardiothoracic Surgery



Ronald D. Brown, M.D.
Plastic Surgery



Sara Neimanis, M.D.
Plastic Surgery



Dahlia Rice, M.D.
Plastic Surgery



Matthew TerBush, M.D.
Vascular Surgery

2019 Selected Highlights

- Amy Mills, C-TAGME received the ACGME "GME Coordinator Excellence Award", a national award that was given to five program coordinators across all specialties in recognition of their in-depth understanding of the accreditation process, excellent communication and interpersonal skills, and projects to improve residency programs.
- Christian Peyre, M.D. appointed as the Program Director for the Cardiothoracic Integrated Surgery Residency Program and Cardiothoracic Fellowship Program.
- Newly accredited SSO Breast Fellowship Program as of November 2019 with Kristin A. Skinner, M.D. appointed as the Program Director of the SSO Breast Fellowship.
- The Department of Surgery fully participated in the first year of the American Board of Surgery multi-institutional Pilot Study of feasibility for "Entrustable Professional Activities" (EPA's) as a way to move toward competency-based residency education.
- Development of a multidisciplinary (surgery, anesthesia and nursing) Simulation In Team Training to Promote Operating Room Safety (SIMOR's) Culture by Derek Wakeman, MD and Sarah Peyre, Ed.D. This program incorporated a high-fidelity OR model & intraoperative simulated crisis. Investigators administered a survey pre and post survey and moderated debriefing sessions to explore attitudes of OR safety culture and the SSC.
- Integrated Vascular Surgery residency complement increased.
- The Division of Colorectal Surgery's first ACGME-accredited fellow successfully completed written and oral colorectal surgery exams and is now a board certified colorectal surgeon.
- Clinton Morrison, M.D. named Program Director for Plastic Surgery Integrated Residency Program.

Faculty Listing:

David E. Burns Jr., M.D., F.A.C.S., Assistant Professor of Surgery; Associate Program Director for Evaluation, Feedback and Compliance General Surgery Residency Program

Lauren DeCaporale-Ryan, Ph.D., Assistant Professor and Family Geropsychologist; Associate Program Director of Resident Wellness General Surgery Residency Program

Roan Glocker, M.D., M.P.H., F.A.C.S., Assistant Professor of Surgery; Director of Third Year Medical Student Clerkship

Clinton S. Morrison, M.D., Assistant Professor of Surgery, Dentistry and Pediatrics; Director, Cleft and Craniofacial Center, Golisano Children's Hospital; Program Director, Plastic Surgery Integrated Residency Program

William E. O'Malley, M.D., F.A.C.S., Assistant Professor of Clinical Surgery; Director, Bariatric Surgery Center at Highland Hospital; Program Director, Bariatric MIS Fellowship Program

Christian G. Peyre, M.D., Associate Professor of Surgery; Program Director, Cardiothoracic Integrated Surgery Residency Program

Sarah E. Peyre, Ed.D., Associate Dean for Innovative Education; Executive Director, Institute for Innovative Education; Professor of Surgery, Nursing, Bioethics and Medical Humanities

Peter Prieto, M.D., M.P.H., C.M.Q., Assistant Professor of Surgery; Director, Translational Cancer Biorepository; Chair, Melanoma/Sarcoma Disease Working Group; Associate Program Director for Research General Surgery Program

Yanjie Qi, M.D., F.A.C.S., Assistant Professor of Surgery; Associate Program Director for Curriculum and Simulation General Surgery Residency Program

Rabih M. Salloum, M.D., M.P.H., F.A.C.S., Professor of Surgery; Medical Director, Nutrition Support Services; General Surgery Residency Program Director

Kristin A. Skinner, M.D., F.A.C.S., Associate Professor of Surgery and Oncology; Chief, Division of Surgical Oncology; Director of the Wilmot Cancer Institute Comprehensive Breast Care at Pluta; Program Director, SSO Breast Fellowship Program

Michael C. Stoner, M.D., F.A.C.S., Professor of Surgery; Chief, Division of Vascular Surgery; Program Director, Vascular Surgery Integrated Residency Program

Nicole A. Stassen, M.D., F.A.C.S., Professor of Surgery and Pediatrics and Medical Director Kessler Family Burn/Trauma ICU; Surgical Critical Care Fellowship Program Director

Larissa K.F. Temple, M.D., M.Sc., F.A.C.S., F.A.S.C.R.S., Professor of Surgery; Chief, Division of Colorectal Surgery; Director of Surgical Health Outcomes & Research Enterprise (SHORE), Program Director, Colon and Rectal Residency Program

Advanced Practice Providers



The Department of Surgery Advanced Practice Provider (APP) Team consists of over 50 NPs and PAs. The APP team is committed to delivering exceptional inpatient and outpatient perioperative care and management. Its mission also incorporates optimization of APP contributions to the healthcare system.

“APPs are critically important members of our team. They are dedicated professionals who give high-quality, patient-centered care. They are ‘mission-critical’ and valued partners of our faculty and residents,” says David Linehan, M.D.

Colleen Wheeler, NP won the Advanced Practice Provider of the Year Award. The award goes to the APP in surgery who best supports resident education and camaraderie, and is nominated by the resident body. Colleen was an inpatient nurse practitioner at the Wilmot Cancer Institute (WCC5).

Research

The Department of Surgery’s research goal is to excel in cutting-edge, impactful research with a passion for exploration and discovery. Research programs within the department exist in differing states of maturation as the individual groups and principal investigators work to develop and establish their research presence. As we move forward we look to elevate our basic and translational research programs, expand and succeed in our clinical trials and be innovative in our approaches to research and research training.

Current areas of research include:

- **The Center for Tumor Immunology Research (CTIR)**, an interdepartment collaboration, led by David Linehan, M.D. and Scott Gerber, Ph.D., with acute attention to translational cancer research which harnesses the power of the immune system to treat cancers. CTIR includes the laboratories of David Linehan, M.D.; Scott Gerber, Ph.D. and Peter Prieto, M.D. from the Department of Surgery as well as affiliated principal investigators Edith Lord, Ph.D.; Minsoo Kim, Ph.D.; Marvin Doyley, Ph.D.; Steven Gill, Ph.D. and Haoming (Carl) Qiu, M.D.
- **Melanoma Research**, led by Peter Prieto, M.D., M.P.H., investigates mechanisms of immune evasion by tumors to targeted and immune checkpoint blockade and prognostic markers of response to immune based therapies including adoptive cell therapy.
- **Surgical Health Outcomes and Research Enterprise (SHORE)**, led by Larissa Temple, M.D. and Co-Director Fergal Fleming, M.D., represents an intradepartment research center that encompasses patient reported and health outcomes representing an intradepartmental focus on improving patient outcomes through health services research that often incorporates resident training.
- **Institute for Innovative Education (IIE)**, a medical center collaboration in healthcare education, led by Sarah Peyre, Ed.D. who is at the forefront in education research through her role as Executive Director of the Institute for Innovative Learning. IIE is an intraschool collaboration aimed at advancing
- health profession education through simulation, adaptive technology, team science, and novel approaches to information and education delivery. It is through this work Sarah Peyre, Ed.D. has become involved in Development, Implementation and Assessment of Novel Training In Domain-Based Competencies (DIAMOND).
- **Vascular Research**, Doran Mix, M.D., is performing research focusing on biological mechanisms of aneurysm formation and prevention. While basic science research within the department is represented by cardiovascular basic sciences research performed by Eileen Redmond, Ph.D.
- **Nerve Regeneration Research**, a new priority for translational research is being led by Jonathan Leckenby, M.B.B.S., Ph.D. on nerve regeneration and the creating of a clinical center for facial nerve disorders.
- **Cancer Control**, a highly successful, thirty year translational and cancer care delivery research led by Gary Morrow, Ph.D. (Please see page 12 for more information on the Cancer Control Program).
- **Clinical Trials**, both industry and federally funded clinical trials that support the mission of URM to aid in development and provide cutting edge new therapies for patients. Additional investment in support and infrastructure for clinical trials is being implemented to ensure compliance with institutional policies and to facilitate growth. Surgery will contribute several investigator initiated clinical trials to our NCI-designation effort.
- **Darren Carpizo, M.D., Ph.D.**, is a new recruit to the University of Rochester and the Wilmot Cancer Institute. He brings his cutting edge research in zinc metallochaperones, a new class of drugs targeting mutant p53, which is the most commonly mutated gene in cancer.

Quality

The Department of Surgery is committed to a culture of quality and safety for surgical patients and has made significant improvement over the past five years. The Department uses a multidisciplinary team approach with the Department of Surgery Quality Committee acting as the coordinating and oversight group. The team uses the philosophy of transparency and focuses on sharing data and best practice including presenting Department and Division quality data, process improvement projects, forum for education on QA/PI, and sharing issues, challenges and problems related to QA/PI and patient safety.

Department PI Initiatives:

- Reducing Surgical Site Infection Rates
- Implementing Enhanced Recovery after Surgery (ERAS) Programs
- NSQIP LOS Improvements
- Second Phase Pilot for ACS-NSQIP Patient Reported Outcome (PRO)
- Increasing Resident involvement in QA/PI
- Improving Handoff Communication
- Improving NSQIP Unplanned Intubation and Ventilator > 48 hours

2019 Selected Highlights

- 2018-2019 Board Excellence Team Award awarded to Simulation for Operating Room Safety (SIMORS) Team. Members include Ronald Bossert, M.D., Sarah Peyre, Ph.D. and Derek Wakeman, M.D. This program incorporated a high-fidelity OR model & intraoperative simulated crisis. Investigators administered a survey pre and post survey and moderated debriefing sessions to explore attitudes of OR safety culture and the SSC.
- Derek Wakeman, M.D. and team won a prize for their abstract at the 2019 American College of Surgeons Quality and Safety Conference.
- The Division of Vascular Surgery again earned the top rating (three stars) from the Society of Vascular Surgery's Vascular Quality Initiative.
- Jacob Moalem, M.D. named the Director of Quality and Safety.
- The Department of Surgery team tests opt-in program for narcotics as published in the Annals of Surgery.



Jacob Moalem, M.D., F.A.C.S.,
Associate Professor of Surgery and Medicine;
Director of Quality and Safety,
Department of Surgery

Save the Date

October 29, 2020

6th Annual Surgical Symposium

Keynote presenters:

- **Benjamin K. Poulouse, M.D., M.P.H., F.A.C.S.,** Robert M. Zollinger Lecrone-Baxter Professor of Surgery; President, American Hernia Society; Chief, Division of General & Gastrointestinal Surgery; Co-Director, Center for Abdominal Core Health
- **John D. Mellinger, M.D., F.A.C.S.,** Vice Chair, American Board of Surgery; J. Roland Folse, M.D. Endowed Chair in Surgery; Vice Chair, Department of Surgery; Professor and Chair, General Surgery; Director, Leadership and Excellence, Center for Human and Organizational Potential
- **Ronnie Rosenthal, M.D., F.A.C.S.,** Professor of Surgery; The Coalition for Quality in Geriatric Surgery Project, American College of Surgeons; Surgeon-In-Chief, VA Connecticut Healthcare System, Yale Surgical Specialties

This Continuing Medical Education activity provides a forum for surgeons, primary care physicians, physician assistants, nurse practitioners, nurses, and other health care professionals to gather and discuss the latest trends, science and clinical advances in the field of surgery.

Location:

Hyatt Regency, 125 East Main Street, Rochester, NY

For More Information:

Center for Experiential Learning; [http://www.cel.urmc.edu/Upcoming Events/Surgical Symposium](http://www.cel.urmc.edu/Upcoming%20Events/Surgical%20Symposium)

For more information about the Department of Surgery, contact:

David C. Linehan, M.D.

Seymour I. Schwartz Professor and Chairman

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Bariatric Surgery	585-341-0366
Cardiac Surgery	585-275-8880
Colorectal Surgery	585-273-2727
Hepato-Pancreato-Biliary and Gastrointestinal (HPB-GI) Surgery	585-275-1611
Pediatric Surgery	585-275-4435
Plastic Surgery	585-275-1000
Surgical Oncology	585-275-1611
Thoracic and Foregut Surgery	585-275-1509
Vascular Surgery	585-279-5100



DEPARTMENT OF SURGERY

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