Letter from the Chair

Our Department is fortunate to have continued growth in service, education and research. The completion of the new operating rooms, which now total 35 OR’s have allowed continued growth, especially in orthopedic surgery, and recruitment of additional faculty in otolaryngology has expanded our ability to provide complex surgery to our patients. Our Trauma Center has been recognized by the American College of Surgeons, receiving Accreditation as a Level 1 Trauma Center. We are quite proud of our graduating medical students who have matched to excellent residency training positions, and our Chief Residents have found outstanding fellowships or clinical practice opportunity.

New this year, has been our recruitment of a Vice Chair of Research. Michael Dipersio, PhD., is an NIH funded investigator, that has been brought into the Department of Surgery to develop basic science research, and integrate our translational research efforts.
I look forward to serving in my new position as Vice Chair of Research in the Department of Surgery, which was established this year to promote translational research initiatives across the 10 divisions of Surgery in collaboration with AMC’s four basic research departments (Regenerative & Cancer Cell Biology, Molecular & Cellular Physiology, Immunology & Microbial Disease, and Neuroscience & Experimental Therapeutics). Our goals are as follows:

• To develop collaborative, interdisciplinary and interdepartmental research programs in the areas of tissue repair and regeneration, fibrosis, and cancer biology towards the institutional mission of promoting translational research at Albany Medical Center.

• To build an accompanying educational/training program in which Surgery faculty, residents and medical students work closely with basic science faculty and graduate students to learn state-of-the-art technologies and approaches towards clinically relevant questions.

• To compete successfully for national funding to support interdisciplinary translational research programs.

RESEARCH PROGRAMS
IN THE DIPERSIO LABORATORY

We use a combination of genetic, cell biological, and genomic/proteomic approaches to investigate how integrin cell adhesion receptors regulate normal tissue remodeling processes, and how changes in this regulation contribute to cancer progression and pathological wound healing. Our long-term goal is to develop therapeutic strategies that target integrins, or the pathways that they control, to inhibit cancer progression and metastasis or treat cutaneous wound pathologies. Our interdisciplinary research team includes basic and clinical scientists from both the Department of Surgery and the Department of Regenerative & Cancer Cell Biology (DRCCB) at all levels of training, ranging from graduate students and medical students to postdoctoral fellows, residents and faculty.

Program in Cutaneous Wound Healing

Supported by an NIH R01 grant from the National Institute of Arthritis and Musculoskeletal and Skin Diseases to C. M. DiPersio and L. Van De Water, and a Pilot Research Grant from The Plastic Surgery Foundation to P. M. Mountzjaris.

Working in close collaboration with the laboratory of Dr. Livingston Van De Water in DRCCB and physician researchers in the Plastic Surgery Division, we are investigating how different integrins in the epidermis of skin regulate wound healing through control of paracrine signaling to other wound cells and modification of the wound extracellular matrix, towards the goal of understanding how defects in these processes contribute to pathologies such as chronic wounds and hypertrophic scars. Current approaches include the adaptation of wound healing or scarring models to our genetic models (e.g., knockout and transgenic mice) in which expression of key integrins or signaling effectors is manipulated within specific cellular compartments. These in vivo models are complemented by cell biological models, as well as genomic and proteomic approaches, to elucidate the underlying cellular pathways and molecular mechanisms. Our long-term goal is to develop novel therapeutic strategies for targeting integrins, or their downstream signaling effectors, to treat wound pathologies.
Program in Cancer Biology

Supported by an NIH R01 grant from the National Cancer Institute to C. M. DiPersio.

A second focus of our research is to elucidate molecular mechanisms through which integrin α3β1 regulates genes that drive cancer progression and metastasis in breast or cutaneous malignancies. Post-transcriptional mRNA processing and stability are emerging as major modes of gene regulation in cancer, yet little is known about how these processes are controlled by integrin-mediated signals from the tumor microenvironment. Using models of breast and squamous cell carcinoma, we discovered that integrin α3β1 promotes expression of two pro-tumorigenic/pro-angiogenic genes, cyclooxygenase-2 (COX-2) and matrix metalloproteinase-9 (MMP-9), and that this regulation occurs through alternative mRNA processing (e.g., mRNA splicing and/or polyadenylation) that determines the exclusion of sequences that destabilize the mRNA transcript. Moreover, our genomic profiling of breast cancer cells revealed that α3β1 also regulates mRNA processing of other pro-tumorigenic/pro-metastatic genes, suggesting an integrin-dependent gene regulatory network that drives malignant progression. Current efforts are focused on developing minigene splice reporters and high throughput cDNA or RNAi screens to identify α3β1-dependent trans-regulators of mRNA splicing in cancer cells, coupled with the use of in vivo tumor models to investigate the importance of these pathways for distinct steps of malignant progression and metastasis. These studies may lead to novel anti-cancer therapies that target integrin-dependent mRNA splicing pathways.

EDUCATIONAL & TRAINING PROGRAMS IN TRANSLATIONAL RESEARCH

As Vice Chair of Research, an important priority of mine in the coming years is to establish a robust training program in translational research within the Department of Surgery, in collaboration with faculty in the basic research departments at AMC and other institutions in the Capital Region. This program will provide opportunities for Surgery residents, fellows and students to learn state-of-the-art laboratory methods as applied to clinically relevant problems, as well as to participate in AMC workshops that are designed to provide basic strategies and guidance in the preparation of competitive research grant applications or manuscripts. Towards this goal, we will aggressively pursue extramural grants to support growth of our training program. The summer of 2016 marked the inauguration of the Summer Research Internship Program in the Department of Surgery. This program provides hands-on laboratory research experiences for undergraduate and high school students who are interested in pursuing a career in medicine or biomedical research. Interns work in close collaboration with Department of Surgery faculty and researchers to learn basic laboratory skills and application of the scientific method to clinically important research problems. The program also provides mentoring and guidance for students who are considering an educational or career path in the health sciences.

Researchers in the DiPersio laboratory

Sita Subbaram, Ph.D.
Instructor, Dept. of Surgery, Director of Surgery Research Internship Program

Whitney Longmate, Ph.D.
Postdoctoral Fellow, Dept. of Regenerative & Cancer Cell Biology

Lori DeFreest, M.D., Ph.D.
Assistant Professor, Dept. of Surgery, Division of Trauma Surgery and Critical Care

Paschalia (Lina) M. Mountziaris, M.D., Ph.D.
Resident, Dept. of Surgery, Division of Plastic Surgery

Rakshitha Miskin, M.S.
Predoctoral Graduate Student, Dept. of Regenerative & Cancer Cell Biology

James Kenney, B.S.
Predoctoral Graduate Student, Dept. of Regenerative & Cancer Cell Biology

Ranjeev Chabra
AMC Medical Student, Class of 2020

Derek Power, M.S.
Lab Manager & Senior Tech, Dept. of Regenerative & Cancer Cell Biology

Whitney Longmate, Ph.D. Postdoctoral Fellow, Dept. of Regenerative & Cancer Cell Biology
Cardiothoracic Surgery

The Division of Cardiothoracic Surgery is dynamic and innovative in providing high-quality care to our patients with cutting edge, minimally invasive techniques in an academic environment. Our goal is to be a leader in developing advances in cardiothoracic surgery with clinical trials and educating the next generation of surgeons with our competitive ACGME-approved Thoracic Surgery Residency program. The Division is composed of three sections: Adult Cardiac, General Thoracic and Congenital.

Highlights of the division includes:

An unyielding commitment to quality:

Surgical outcomes as measured by the Society of Thoracic Surgeons National Database (STS) demonstrate a mortality rate of 0.8% for CABG and 1.4% for Major Procedures as compared to national averages of 2.2 and 2.5% respectively. Additionally, infection rates for CABG procedures at AMC are less than the New York State averages. For General Thoracic procedures the mortality rate for Lobectomy is 0% versus 0.9% for the STS; and for Congenital, across all five risk category domains, the mortality rate is at or below national averages. Our Structural Heart Program has a Trans-Aortic Valve Replacement (TAVR) mortality rate of 1.8% as compared to a national average of 2.1%.

Participation in national clinical trials:

We have been selected to be in the Portico IDE Trial to determine the next generation of TAVR valves and the PARTNER 3 Trial which will potentially expand the indications for TAVR to low-risk patients. The Galileo Trial seeks to determine the optimal anticoagulation regime in the post TAVR population.

ACADEMIC ENVIRONMENT—RECENT PUBLICATIONS (2015–PRESENT) IN THE PEER-REVIEWED LITERATURE:


Fabian T, Glotzer OS, Bakhos CT. Construct validation: simulation of thoracoscopic intrathoracic anastomosis. JSLS. 2015 Apr-Jun;19(2).


ACGME-APPROVED THORACIC SURGERY RESIDENCY PROGRAM:

The Thoracic Surgery Residency program has been restructured and has its status changed from “probation” to “approved”. We now have a PGY-6 and PGY-7 residents and for the current academic year we received 42 applications, interviewed 33 applicants and selected our current PGY-6. Both residents have additionally been sent for national Robotic surgery training and attended the TSRA Cardiothoracic Bootcamp.

Dr Ferdinand served as a Contributor, 2017 Thoracic Surgery Directors Association (TSDA) In-Training Exam.

The Cardiothoracic Grand Rounds Series are now approved for CME.

PROFESSIONAL SOCIETY LEADERSHIP:

Dr Ferdinand is the Past President of the International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS), serves on the Patient Safety Taskforce for the Society of Thoracic Surgeons (STS) and is on the Executive Committee of the Board of Governors of the American College of Surgeons.

Dr Ferdinand chaired the ISMICS International Expert Consensus Panel on Endoscopic Saphenous Vein and Radial Artery Harvest.

Dr Sanjay Samy serves on the STS Workforce on Coding and Reimbursement

Albany Med First in Region to Perform Innovative Mitral Valve Repair Procedure

Albany Medical Center is the first and only hospital in the Capital Region to perform an innovative heart repair procedure on patients who have mitral valve disease and cannot undergo traditional open heart surgery.

Some patients with mitral valve disease suffer from mitral regurgitation, or MR—this occurs when a leaky mitral valve causes a backward flow of blood in the heart. The condition can raise the risk of stroke and heart failure, which can be deadly. MR is common, affecting more than 4 million Americans—nearly one in 10 people aged 75 and above.

Albany Med cardiothoracic surgeons, cardiologists, anesthesiologists and others, working together as a heart team, use a minimally invasive technique to insert a small device called a MitraClip through a catheter in a blood vessel into a patient’s leaky mitral valve.

The MitraClip acts as a staple, holding the flaps of the mitral valve together to allow for proper blood flow within the heart while preventing blood backflow or leakage.

“The use of the MitraClip to repair the mitral valve is lifesaving for many high-risk patients who are not candidates for more traditional mitral valve surgery,” said Francis D. Ferdinand, MD, chief of the Division of Cardiothoracic Surgery at Albany Med and director of the hospital’s Cardiothoracic Surgery Program.

“Using this type of leading-edge technology is just one example of how Albany Med’s experienced heart team brings the latest treatment advances to our patients.”

The MitraClip has been used in more than 25,000 patients worldwide and is an established alternative therapy for patients with mitral valve disease. Albany Med performs the MitraClip procedure approximately 10 times a month.

“Because Albany Med offers this type of therapy right here in the Capital Region, patients no longer have to travel long distances to other facilities,” said Augustin J. DeLago, MD, director of Albany Med’s Cardiac Catheterization Laboratory and co-director of the Structural Heart Program. “This type of procedure can really only be done at a medical center that offers a coordinated, multidisciplinary approach to care, and we are happy to offer this highquality service to our patients in the Capital Region and beyond.”
Francis D. Ferdinand, MD, who most recently served as the surgical director of Cardiovascular Quality and Strategy at Lankenau Medical Center in greater Philadelphia, has been appointed chief of Albany Med’s Division of Cardiothoracic Surgery and director of the hospital’s cardiothoracic surgery program.

Dr. Ferdinand succeeds distinguished cardiac surgeon Edward V. Bennett Jr., MD, who held the position for five years and will maintain his active surgical practice, as well as continue on as the co-chair of Albany Med’s structural heart program.

During his 15-year tenure at Lankenau Medical Center, Dr. Ferdinand was instrumental in developing the hospital’s cardiovascular service line quality initiatives and minimally invasive practices, and was a strong contributor to medical research, serving as the principal investigator on numerous clinical trials. A noted cardiothoracic surgeon who has practiced internationally, he also served for a year in the Department of Thoracic and Cardiovascular Surgery at the Cleveland Clinic Foundation.

Dr. Ferdinand has received numerous awards, including the Alley-Sheridan Award to study health policy and management from the Thoracic Surgery Foundation for Research and Education. He currently serves on the executive committee of the Board of Governors for the American College of Surgeons and the Patient Safety Task Force for the Society of Thoracic Surgeons.

“Dr. Ferdinand brings a great depth of experience to Albany Med,” said Vincent Verdile, MD, ’84, The Lynne and Mark Groban, MD ’67, Distinguished Dean of Albany Medical College and senior executive vice president for System Care Delivery. “In addition to his demonstrated surgical expertise and caring approach to patients, he has excellent leadership skills and vast experience in clinical trials. His presence here will further enhance what is one of our institution’s—and, indeed, our region’s—strongest clinical programs. We are thrilled to have him on board.”
Parents of Newborn Albany Med Heart Patient: “We Were In the Right Place”

Antonia was just 10 days old when her parents, Jill and Mike Carpentieri, of Latham, noticed something was wrong.

“We were over at my parents’ for dinner, and I had noticed all through dinner that her breathing was a little off,” Jill said. Their panic mounted when Antonia turned gray and began perspiring, little beads of sweat covering her tiny forehead. They called 911 and Jill’s mother, a registered nurse for more than 40 years, began CPR.

When the ambulance arrived, Antonia went into cardiac arrest. Without even time to get her into the ambulance, responders started CPR in the middle of the road. “I was just watching in horror,” Jill said. “It was not something I thought I would ever see as a parent.”

Jill said. “It was not something I thought I would ever see as a parent.”

Doctors at Albany Medical Center found no pulse in Antonia’s legs and, recognizing that there was a major problem with her heart, Steven Kamenir, MD, of Capital District Pediatric Cardiology, ordered an echocardiogram.

“We didn’t know if she was going to make it through the night,” Mike said.

Around 2 a.m., Dr. Kamenir returned and gently explained to the Carpentieris that Antonia had been born with a coarctation of the aorta and a ventricular septal defect.

Three days later, Neil Devejian, MD, chief of the Division of Pediatric Cardiothoracic Surgery, performed open heart surgery on the tiny newborn.

The operation was successful, Antonia recovered well and, today, the one-year-old toddler is thriving.

“She is strong and sassy and full of life,” Jill said. “We would tell any family who’s going through this to trust the staff at Albany Medical Center. Not only are they great at what they do medically, they’re wonderful people and they truly, truly care.”

Dr. Devejian, who has served the Medical Center for 16 years as the region’s only pediatric cardiothoracic surgeon, credits the entire cardiac team for the high level of care patients receive at Albany Med.

“Patients often ask, either directly or indirectly, ‘How well do you do what you do?’” he said. “And I say I stand up strong on my feet with excellent training and experience, but, really, what allows for success is working collaboratively with a huge team of healthcare providers.

“This work calls upon a huge array of folks who are very well trained and work together,” he said, “and all of them are here at Albany Medical Center, under one roof.”
General Surgery

The Division of General Surgery has always had strong history of clinical and academic excellence. Our division at the Albany Medical College is comprised of the Sections of Trauma and Acute Care Service, Colorectal Surgery, Gastrointestinal Oncology, Breast and Endocrine Surgery, Transplantation and the Minimal Invasive/Bariatric Surgery. Our Trauma program is the busiest in the New York State and is verified by the American College of Surgeons (ACS) as a Level One Trauma program. Our Bariatric Surgery has also been accredited by the ACS. Our Colorectal Surgery section has been approved for a fellowship train starting in 2017 and it joins already available minimal invasive fellowship as well as surgical critical care fellowship. Our surgeons tackle the spectrum of illnesses from cancer to digestive diseases with cutting edge technology and advanced knowledge. Our division continues to grow and this past year has not been an exception with the following new addition to our practice: Dr. Nic Chandolias joined the section of transplantation, Dr. Meaghan Applewhite joined the section of endocrine, Dr. Jessica Zaman joined the section of minimal invasive, and finally Dr. Lori Defreest joined the section of trauma/acute care.

Christa Abraham, MD
Megan Applewhite, MD
Todd Beyer, MD
Brian Binetti, MD
Jonathan Canete, MD
Carrie Carsello, MD
Nikolaos Chandolias, MD
A. David Chismark, MD
Lynn Choi, MD
David Conti, MD
Lori Ann DeFreest, MD
Andrew Deroo, MD
David Ford, MD
Muhammad Hena, MD
David Kuehler, MD
Edward Lee, MD
Tae Young Christina Lee, MD
Baogang Liu, MD
Reynold Lopez-Soler, MD
Richard MacDowell, MD
Ankesh Nigam, MD
Lawrence Robinson, MD
Carl Rosati, MD
Sharon Samuels, MD
Tejinder Paul Singh, MD
Steven Stain, MD
Hal Starnes Jr., MD
Marcel Tafen Wandji, MD
B. Marie Ward, MD
Brian Valerian, MD
Jessica Zaman, MD
**Dr. Edward Lee**


**Dr. Brian Valerian**


**Dr. Brian Binetti**


Leinung M, Beyer T. Postoperative hypocalcemia after thyroidectomy: can it be prevented? Endocr Pract. 2;21(4): 452-3 2015 April

**Dr. Todd Beyer**


**Dr. David Conti**


Yang J, Zhao X., Patel A., Potru R., Azizi-Ghahhan S., Dolinger M., Mazurkiewicz J., Conti DJ., Jones D., Huang Y., Zhu X. Rapamycin Inhibition of mTOR Reduces Levels of the Na+/H+ Exchanger in Intestines of Mice and Humans, leading to diarrhea. Gastroenterology, Mar 30th, S0016-5085(15), 2015

Conti DJ., Hahn A. HLA-A2 Reactive Antibodies in a Patient Who Types as HLA-A2: The Importance of High Resolution Typing and Epitope-Based Antibody Analysis. Transplant Immunology,32(3) 141-145, 2015

**Dr. Reynold Lopez-Soler**


JC Virus-Nephropathy; a Rare Case of Transplant Dysfunction, Case Report and Review of Literature. Trans Inf Dis. Doyle Yang, Brandon Keys, David Conti

Anti-Vimentin antibodies present at the time of transplant may predict the early development of Interstitial Fibrosis/Tubular Atrophy. Trans Pro. (accepted for publication) David Conti, Ryan Chan (medical Student)


Dr. Meghan Applewhite


BOOK CHAPTERS

Introduction to Neurotrauma. Tafen M, Bhakta A, Markandaya M. Encyclopedia of Trauma Care. Editors: Papadakos, Peter, Gestring, Mark (Eds.) Springer-Verlag Berlin Heidelberg • ISBN 978-3-642-29613-0 Injury to the Liver. In Cohn’s ‘Trauma and Acute Care Surgery: Evidenced Based Practice, 2E’. Daniel J. Bonville, DO, FACS, Lori A. DeFreest MD PhD, Marcel Tafen, MD, Andrew DeRoo, MD

JOURNAL PUBLICATIONS


Steven Stain, MD, the Henry and Sally Schaffer Chair of the
Department of Surgery (third right in photo), was recently honored by the Albany branch of the National Association for the Advancement of Colored People (NAACP) for his contributions in the field of health care. “Whenever we’ve needed him, he’s been there,” said LaSone Garland-Bryan, secretary of the Albany branch of the NAACP and co-founder of the Women of Color Cancer Support Group. “He’s a man of enormous compassion.”

Dr. Stain is a nationally recognized surgeon, researcher and educator who has held numerous national leadership positions in the medical field, including chair of the American Board of Surgery and president of the Society of Surgical Chairs.

The SAGES Manual Ethics of Surgical Innovation

Chief of Surgery Steven Stain, MD, (pictured below on left) has co-edited “The SAGES Manual Ethics of Surgical Innovation,” a collection of essays that explore ethically charged issues faced by gastrointestinal surgeons. The essays cover topics that include conflict of interest, insurance coverage and doctor-patient communication. “Any physician, regardless of specialty, is aware of the tremendous impact he or she has when talking with a patient about their care,” he said. “You’re seeing people at their most vulnerable moments. The book examines that dynamic, as well as many others faced by surgeons.” Among its distinguished contributors is Bruce White, DO, JD, (pictured below on right) director of the Alden March Bioethics Institute, who wrote a chapter on surgeons’ responsibility to their patients and society. “I’m very grateful to Dr. Stain for the strong interest he’s shown in ethics as our surgical chief,” Dr. White said. “He has really pushed to make it a definitive part of our medical students’ curriculum, which has a direct impact on patient care. Our collaboration on this book is another example of his dedication.”
Albany Med Verified as Level One Trauma Center by the American College of Surgeons

Albany Medical Center has been verified as a Level One Trauma Center by the American College of Surgeons for its quality of trauma care.

This is not the first time Albany Med’s Trauma Center, which is often the busiest in the entire state of New York, has received a level one status. For years, the state has bestowed the designation on the Medical Center.

In 2012, however, former State Commissioner of Health Nirav Shah announced that New York would adopt the American College of Surgeons’ standards, which require that a large number of specific criteria be met in every trauma-related subspecialty.

Hospitals across the state underwent a rigorous on-site review in order to be re-certified.

Albany Med’s verification as a Level One Trauma Center, the highest level offered by the American College of Surgeons Committee on Trauma, means that it has all the resources necessary to provide optimal trauma care, as well as leadership in trauma care, research, education and injury prevention.

“Level One Trauma Center verification is a reflection of Albany Med’s commitment to our region to provide the most sophisticated trauma care to the most severely injured patients,” said Steven Stain, MD, the Henry and Sally Schaffer Chair in the Department of Surgery. “We are proud of this distinction and of our ability to deliver excellent care in the most timely manner to those who need it most.”

Albany Med is the only Level One Trauma Center located in northeastern New York, according to the American College of Surgeons.
A little over 10 years ago, children’s book author Jennifer Berne was diagnosed with colorectal cancer.

“It was like a fog came over me,” said the Columbia County resident, whose award-winning stories chronicle the lives of Albert Einstein, Jacques Cousteau and a loveable starling named Calvin. “My normal life, as I’d known it, was totally transformed. Nothing was familiar. I had to learn a whole new language, new people, new facts.”

Berne, who in earlier years worked for the artist Andy Warhol and had a successful career as an advertising copywriter (“When E. F. Hutton talks, people listen” was her brainchild), said she was certain of one thing. She wanted to find the best care possible.

Her search led her to Albany Medical Center, where colorectal surgeon Edward Lee, MD, and radiation oncologist Frank Thomas, MD, led her treatment team.

“They were just so good at answering my questions,” Berne said. “They helped me navigate so many fuzzy unknowns. In the end, I didn’t feel like I was a victim or a mindless patient—they treated me like a collaborator and a friend.”

After undergoing chemotherapy and radiation, her doctors determined that Berne didn’t need surgery. Her almost daily visits to the Medical Center ebbed to monthly check-ups, then semiyearly, and finally annual visits.
Surgeons from Around the World Look to Albany Med for Training in Surgical Robotics

Long a regional leader in providing robotic surgery, Albany Med also offers advanced training to doctors from across the globe seeking to learn how to perform surgery with the assistance of a surgical robot.

“We are one of a select number of medical centers worldwide that has a dedicated training program—not just for residents and fellows, but also practicing surgeons,” said David Kimble, MD, chair of the robotic surgery program and chief of urogynecology and pelvic reconstructive surgery.

Albany Med is home to the most comprehensive robotic surgery program in the region, and is one of a small number of institutions in the U.S.—Harvard Medical School and N.Y.U. Langone, among them—that serve as designated Robotic Training Epicenters.

Robotic-assisted surgery is led by a surgeon who sits at a computer console near the operating table and guides a robot equipped with a camera and mechanical arms that hold surgical instruments. The console gives the surgeon a high-definition, 3-D view of the surgical site, and the robot’s design allows for precision, flexibility and a level of control that might not be attainable otherwise.

While a surgeon leads the procedure, the talents of an entire surgical team—anesthesiologists, nurses, nurse anesthetists, physician assistants and surgical techs—are called upon to ensure its success.

Robotic surgery is a minimally invasive approach and, because the incisions associated with it are small, patients tend to experience benefits that include fewer complications, less pain and blood loss, and shorter hospital stays.

Albany Med offers a wide range of robotic surgical services in general, thoracic, transoral and pediatric surgery, as well as urology, gynecology and urogynecology.

“We have the benefit of experience here,” said Dr. Kimble, who has performed more robotic surgeries to fix pelvic organ prolapse than most urogynecological surgeons in the nation.

“Our surgeons perform more robotic surgeries for complex hysterectomies, cancer and prolapse than any others in the region,” he said, “and we are one of only five hospitals in the U.S. that offers robotic microsurgery for male infertility.”

Albany Med is also home to the region’s only center for pediatric robotic surgery. Its surgeons were among the first worldwide to perform single-site gall bladder surgery in children.
Becky Carmen, of Saratoga Springs, began experiencing shortness of breath and respiratory pain more than 25 years ago.

“It was a terrible feeling,” said the 38-year-old stay-at-home mom. “I had a lot of difficulty breathing, even just going up the stairs.”

A rock-climbing enthusiast, Carmen had always been a strong athlete. There were times, however, she said, “when I’d be out on a hike with my kids, or climbing with a friend, and I’d find myself completely breathless.” Carmen was diagnosed with exercise-induced asthma, but in spite of many attempts to treat it—inhalers, allergy shots, medication—her condition worsened. She sought a second opinion, then a third. “I kept getting the same message: ‘There’s nothing wrong with you, you’re fine,’” she said. “I started to wonder if I was crazy.”

Finally, an ENT specialist determined Carmen might have acid reflux, but this knowledge was little consolation in the face of her worsening symptoms. By 2013, she could no longer sleep through the night.

Exhausted and demoralized, she sought the help of T. Paul Singh, MD, director of Albany Med’s robotic surgery program, who not only broadened her understanding of her condition, which he identified as silent reflux, but also determined it was caused by a hiatal hernia in her stomach.

“Silent reflux often goes undetected because when people think of it they think of heartburn,” Dr. Singh said. “Breathing problems, sinus problems, airway issues, voice problems—all of these can be associated with acid reflux.”

In November 2015, at Carmen’s request, Dr. Singh performed a Nissen procedure that repaired her hernia and tightened the opening between her stomach and esophagus, alleviating her reflux. He and his surgical team were assisted by a surgical robot—one of three at Albany Med that are used for a full range of procedures, from tumor resections to tonsillectomies.

Robotic surgery tends to be minimally invasive, and patients frequently experience benefits that include faster recovery time, less scarring and a quicker return to normal activities.

Carmen was no exception. “I had my surgery the week before Thanksgiving and by Black Friday I was out walking around as though nothing had happened,” she said. “I feel better. I sleep better. The only way I can describe it is life-changing.”

Albany Med offers a wide spectrum of robotic surgical services and is home to one of the few Robotic Training Epicenters in the United States, where Dr. Singh and his colleagues train surgeons from across the country and beyond.
Otolaryngology

The Division of Otolaryngology continues to strive towards excellence in mentorship and leadership in our subspecialty areas. We are proud to have Dr. Stanley Shapshay guiding our section of Laryngology, with the recent news of Dr. Kristina Piastro's attainment of the prestigious NYU Laryngology Fellowship. The section of Head and Neck surgery, under the leadership of Dr. Lisa Galati, continues to provide our residents with outstanding skill sets in advanced techniques, including Trans Oral Robotic Surgery. The Head and Neck experience has been expanded with the addition of Dr. Neil Gildener-Leapman, a true asset to our academic mission. Dr. Gildener-Leapman continues to challenge our residents to “raise the bar” as it relates to quality research and has been instrumental in our curricular changes. One of our busiest clinical sections remains Rhinology and Skull Base surgery, under the leadership of Dr. Carols Pinheiro-Neto. He, along with Dr. Marcelo Charles, have maintained a prolific research trajectory in the arena of Anterior Skull Base approaches, resulting in multiple presentations and publications on a national level.

Our VA experience continues to be a highlight thanks to our dedicated complement of faculty, led by Allison Lupinetti. At the VA, Dr. Steven Silver has augmented the surgical experience, providing much needed Otology coverage. Dr. Silver also continues to provide the educational fundamentals in Otolaryngologic Allergy, a much needed feature in our curriculum. Our newest faculty member, Dr. Jessica Scordino has proudly resurrected the VA Facial Plastics clinic, providing an outstanding clinical support and educational opportunity. Additionally, Dr. Scordino's aesthetic practice continues to grow and we look forward to many future years of collaboration. Newlywed, Dr. Steven Parnes, continues to demonstrate signs of his youthfulness, seeing as many patients as humanly possible and consistently willing to help in all areas. We will soon have a new addition as the section chief of Neurotology/Lateral Skull Base, with the joining of Dr. David Foyt (August 2016). Welcome Dr. Foyt! Finally, the section of Pediatric Otolaryngology continues to thrive and has proudly collaborated with the Division of Plastic Surgery to provide the first ever Cleft Craniofacial Center at Albany Medical Center.

Dr. Jason Mouzakes


Dr. Steven Parnes


Dr. Carlos Pinheiro-Neto


Dr. Stanley Shapshay


Dr. Lisa Galati


Dr. Neil Gildener-Leapman


Orthopedic Surgery

The Division of Orthopaedic Surgery continues to run an active clinical program in partnership with Capital Region Orthopaedic Associates. The orthopaedic residency has now expanded to its full allotment of five residents per year chosen from a pool of over 500 applicants. Recent changes in the ACGME requirements now mandate one month of surgical simulation during the internship year. With the help of the Patient Safety and Clinical Competency Center, we designed a robust experience including simulated patient interactions, surgical skills development, and simulated surgical procedures on methanol embalmed cadavers in simulated OR suite. This has provided the interns with a head start yielding benefits that immediately became apparent in their patient care and surgical skills in the real patient setting. New fellowship requirements also emphasize earlier resident involvement in clinical and basic science research. We are addressing that with a dedicated research rotation in the PGY 3 year. The Division will add three new attending surgeons in foot and ankle, trauma, and spine surgery, starting in August 2016.

Fulltime Faculty

Richard L. Uhl, M.D.
Professor of Surgery
Chief, Division of Orthopedic Surgery
Director, Residency Program

Michael T. Mulligan, M.D.
Associate Professor of Surgery
Associate Director, Residency Program

Kaushik Bagchi, M.D.
Assistant Professor of Surgery

Matthew DiCaprio, M.D.
Associate Professor of Surgery

Paul P. Hospodar, M.D.
Associate Professor of Surgery

James P. Lawrence, M.D.
Associate Professor of Surgery

Andrew J. Rosenbaum, MD
Assistant Professor of Surgery

Volunteer Faculty

Richard Alfred, M.D.
R. Maxwell Alley, M.D.
Robert Cheney, M.D.
John Czajka, M.D.
Shankar Das, M.D.
John DiPreta, M.D.
Andrew Dubin, M.D.
Marc Fuchs, M.D.
Andrew Gerdeman, M.D.
Robert Hedderman, M.D.
Jordan Lisella, M.D.
Jeffrey Lozman, M.D.
Andrew Morse, M.D.
Daniel Phelan, M.D.
David Quinn, M.D.
Jared Roberts, M.D.
James Schneider, M.D.
Joachim Tenuta, M.D.
Richard Whipple, M.D.
George Zanaros, M.D.
PUBLICATIONS


Pediatric Surgery

The Division of Pediatric Surgery continues to grow our mission to provide tertiary surgical care to the region's children. We focus on providing the most current advanced techniques in the areas of complex neonatal thoracic surgery, chest wall deformities, general abdominal surgery, robotics and teenage bariatric surgery. With the Divisions of Maternofetal Medicine and Neonatology, we provide regional prenatal counseling for fetal anomalies at the new Fetal Care Clinic. Within the past year, we have expanded our role in the provision and coordination of trauma care. We recently welcomed Colleen Savage NP as Pediatric Trauma Program Manager.

Our Faculty

Christine Whyte MD, Chief of Division.

Elizabeth Renaud MD, Medical Director of Pediatric Trauma at Albany Medical Center. Associate Program Director, General Surgery Residency, Albany Medical College. Member, Childhood Obesity and Outcomes Committees of the American Pediatric Surgical Association. Member, Pediatric Committee of the American Society for Metabolic and Bariatric Surgery. Member, Research Committee of the Pediatric Trauma Society.

In October 2015, we welcomed Gerard Weinberg MD, Professor of Surgery, from Albert Einstein Medical College, Bronx NY.

Janeen Smith PA.

PUBLICATIONS


PRESENTATIONS


Lynch L, Schwimmer J, Pandya SR, Kanard RC, Renaud EJ. Childhood Obesity and the Pediatric


**Whyte C.** International Pediatric Endosurgery Group (IPEG) Congress, Nashville, April 2015

Plastic Surgery

Our Faculty

Ashit Patel, MBChB, FACS
Program Director

James Dolph, MD
Associate Program Director

Malcolm Roth, MD continues as the Chief of Plastic Surgery. Oluwaseun Adetayo, MD is the Chief of the Section of Pediatric Plastic Surgery at the Bernard and Millie Duker Children's Hospital. As of July 1, 2016, Kristen Rezak, MD is the Director of the Microsurgical Fellowship. Previous fellowship director Richard Agag, MD will be leaving our faculty in late July, to become the Chief of Plastic Surgery at Rutgers-New Brunswick.

For the current academic year, the expansion of our program continued, with the intake of 2 PGY-1 residents. We anticipate completing the expansion and graduating 2 residents for the 2019-2020 academic year.

VISITING PROFESSORS

Earlier in the year we hosted visiting professor Joseph Serletti, MD. Dr. Serletti is Chief of the Division of Plastic Surgery at the University of Pennsylvania.

Jamie Levine, MD is scheduled to visit our program on August 18, 2016, as the ASRM Zamboni visiting professor. Dr. Levine is currently Associate Professor and Chief of Microsurgery at the Hansjorg Wyss Department of Plastic Surgery at New York University.

Elof Eriksson, MD, PhD is scheduled to visit our division as an AAPS Visiting Professor in February of 2017. Dr. Eriksson is Chief of Plastic Surgery at Brigham and Women's Hospital as well as Joseph E. Murray Professor of Plastic and Reconstructive Surgery at Harvard Medical School.

Peter Taub, MD is scheduled to come to our program as PSF visiting professor in the Spring of 2017. Dr. Taub is a full professor of Plastic and Reconstructive Surgery at the Icahn School of Medicine at Mount Sinai.

ALUMNI

Our 2016 residency graduate, M. Anthony Daniels, MD has moved on to an advanced aesthetic fellowship at the Hunstad-Kortesis Center in Charlotte, NC. Oluseyi Aliu, MD graduated from our microsurgery fellowship this year, and has joined the faculty at Johns Hopkins.

INCOMING RESIDENTS

Craig Fournier, MD enters our program at the PGY-2 level after completing two years of General Surgery and one year of research at the University of Connecticut. Our incoming PGY-1 level residents are Eric Loesch, MD and Salvatore Crusco, MD. Eric graduated from Tufts University School of Medicine, and Salvatore graduated from the University of Central Florida School of Medicine.

COMPLETE RESIDENT ROSTER

PGY-6: Inzhili Ismail, MD. After graduation, Inzhili will be a fellow with Mark Codner, MD in Atlanta, GA and plans to enter practice in Richmond, VA.

PGY-5: Emily Van Kouwenberg, MD
PGY-4: Paschalia (Lina) Mountziaris, MD, PhD
PGY-3: Aditi Kanth, MD
PGY-3: Pablo Baltodano, MD
PGY-2: Lauren Whipple, MD
PGY-2: Craig Fournier, MD
PGY-1: Eric Loesch, MD
PGY-1: Salvatore Crusco, MD

FACULTY AWARDS & ACHIEVEMENTS


Malcolm Roth, MD is the 2016-2017 ACS and ASPS Health Policy Scholarship recipient. Dr. Roth served as Visiting Professor at New York Presbyterian Medical Center in June and was also selected by the ASPS/PSF Nominating Committee to serve as an ASPS Trustee beginning September 2016. Dr. Roth was a Reviewer for the Plastic and Reconstructive Surgery Journal and for the journal Aesthetic Plastic Surgery.

Oluwaseun A. Adetayo, MD is one of this year's recipients of the ASMS CRANIO, (Craniofacial Region Added New Information Opportunity) Award by the American Society of Maxillofacial Surgery (ASMS) and the Maxillofacial Surgeon Foundation (MSF). Dr. Adetayo also received The University of Chicago 2016 Distinguished Service Award for Early Achievement. In addition, Dr. Adetayo received the Rotary Foundation Global Grant Award (GG1526005) for the Cleft-Craniofacial Center at Albany Medical Center.
RESIDENT AWARDS

Inzhili Ismail, MD was awarded the Outstanding Paper Presentation of the Practice Management Scientific Paper session at Plastic Surgery 2015 in Boston, MA for her paper, “An Evaluation of Remuneration Patterns in Academic Plastic Surgery” presented in October 2015.

Emily Van Kouwenberg, MD was awarded the Best Presentation Award for her podium presentation, “Endoscopic-Assisted Radial Forearm Free Flap Harvest: Long-Term Results and Complications” at the Annual Meeting of the American Society for Reconstructive Microsurgery, on January 19, 2016. Emily was also chosen as the co-recipient of the Best Presentation Award in the Reconstruction/Burn/ Microsurgery Session 2 for her paper, “Applying the Keystone Design Perforator Island Flap Concept in a Variety of Anatomic Locations: A Review of 40 Consecutive Cases By a Single Surgeon”, presented at the October 2015 ASPS Resident Abstracts Session in Boston, Massachusetts.

Paschalia (Lina) M. Mountziaris, M.D., Ph.D. was recently awarded a Plastic Surgery Foundation (PSF) Pilot Research Grant for her project entitled “Role of Integrin-Dependent Crosstalk in Hypertrophic Scar Formation,” which utilizes animal models to study paracrine signaling between the epidermis and dermal myofibroblasts, with the goal of identifying key molecules that contribute to hypertrophic scar formation.

Pablo Baltodano, MD received the third place award for his paper “A Validated Multi Institutional Approach to Optimizing Outcomes of Reduction Mammoplasty: A Critical Analysis of 7,068 Patients” at the New York Regional Society of Plastic Surgeon’s Residents’ Night Competition, March 2016.

PRESENTATIONS

Malcolm Z. Roth, MD. Practice Pearls, Division of Plastic Surgery, New York Presbyterian Hospital, June 6, 2016


Mountziaris PM. “From Chemical and Biological Engineering to Plastic Surgery.” Princeton University Chemical Engineering Department CBE 442, Princeton, NJ, November 11, 2015.


PUBLICATIONS: (JANUARY 1, 2015-PRESENT) 2016


Mountziaris PM, Soteropulos CE, Rezak KM, Patel A. Use of Innovative Technologies in Pediatric Lower Extremity Reconstruction. PRS Global Open 2016; Epubublished 8/1/2016


2015


Urology

The Division of Urology at Albany Medical College has a long and proud history. Drs. John E. Heslin and William A. Milner founded the training program in urology at the Albany Medical Center Hospital in 1941. Both played an important historical role in the field of urology: Dr. Milner became president of the Northeastern Section of the American Urological Association in 1957 and Dr. Heslin became president of the American Urological Association in 1961. Dr. Milner was recognized as one of the best transurethral surgeons in the world. Residents across the country, including a regular rotation of residents from Columbia University in New York City, came to Albany to learn Dr. Milner’s technique. Another prominent urologist from our division was Dr. William B. Garlick, a partner in this practice who served as both Secretary and President of the American Urological Association. In addition to being a great clinician, Dr. Garlick transformed the annual meeting of the American Urological Association to the format that is still used today.

In 1970, Dr. Marvin Woodruff became the first full-time academic Division Head. Dr. Woodruff trained at the University of Michigan under Dr. Reed Nesbit and Dr. Jack Lapides, bringing a renewed interest in neuro-urology to Albany. His tenure was shortened due to health problems. Dr. Alan Bennett assumed the position of Division Head in 1979 when Dr. Woodruff resigned. Numerous outstanding local urologists trained in the program under Dr. Bennett, many of whom have gone on to practice urology across the country and have become widely recognized names in academic urology. Dr. Bennett’s clinical interest was in the field of erectile dysfunction and he developed an international reputation in this area. The program was hampered by difficult relations with the medical center and many faculty left in a period of upheaval in the early 1990s. In 1994, Dr. James Mandell, a pediatric urologist, was named Division Head of Urology. It was under his direction that the program developed dramatically and reached its current form. In a good move for the Albany Medical College, but a somewhat disruptive one for the Division, Dr. Mandell became Dean of the Medical College in 1996. Dr. Barry Kogan, a pediatric urologist, replaced him in 1997. The program has continued to expand, not only clinically, but academically, at a rapid pace since that time. Indeed our faculty has grown from 4 to 12 in the past few years. Our graduates practice urology in excellent private practices and large academic programs throughout the country.

From a research standpoint, the Division has a close working relationship with Robert M. Levin, Ph.D, Professor of Pharmacology, Albany College of Pharmacy and, Urology at Albany Medical College. Dr. Levin is one of the world’s leading researchers in bladder function and dysfunction. We also have close associations with many local researchers including Dr. Shaker A. Moussa, Executive Vice President of the Pharmaceutical Research Institute; Dr. Paul Higgins, Co-Director of the Center for Cell Biology and Cancer Research, Albany Medical College; and Dr. Martin Tenniswood, Professor of Biomedical Sciences, Cancer Research Center, School of Public Health, University at Albany.

In January, 2004, the clinical programs in the Division became an autonomous business unit within Community Care Physicians, PC. This merger of our Urology program with the largest multispecialty group in the area is continuing to enhance our programs. It has helped generate new referral sources and stabilized our staffing and resources, which in turn enhances the development of our academic programs. Our academic programs are also being enriched through support from the Capital Region Medical Research Institute, a local non-profit organization affiliated with the University of Albany School of public health. The institute is dedicated primarily to the advancement of urological research and education.

Patient Care

The practice of urology involves both a large volume of outpatient care and a highly varied surgical caseload. The Division cares for a wide range of genitourinary disorders including both benign and malignant diseases. The field encompasses problems in men and women, as well as disorders unique to children. Most of our entire faculty sub-specializes within the field of urology.

Dr. Barry Kogan practices exclusively in pediatric urology and is the only physician in the area to concentrate in this area. He specializes particularly in prenatal and neonatal problems, especially obstructive uropathy and reflux. In addition, he cares for many children with genital anomalies, including undescended testes, hernias and hypospadias. Dr. Kogan has a special interest in neurogenic bladder dysfunction, particularly in myelodysplasia. He has written numerous scientific articles covering nearly all aspects of pediatric urology.

Drs. Hugh Fisher, Ronald Kaufman, Badar Mian, and Rebecca O’Malley specialize in urologic oncology. Drs. Fisher, Mian and O’Malley care for an extensive population of men with prostatic diseases. They have an active program using state of the art techniques for treatment of prostatic cancer and are local leaders in Uronay (MRI guided) biopsy of the prostate as well as encouraging active surveillance for low risk disease. They lead the robotic prostatectomy approach.
program and have an active collaboration with state of the art radiotherapists for those patients more appropriately treated with non-surgical options. Dr. Kaufman and Dr. O’Malley are experts in kidney cancer and they have developed unique expertise in robotic assisted partial nephrectomy, the only center for several hours in any direction that does this. Of course, the group also cares for a considerable number of patients with other urological cancers including being the local leader in therapy for bladder and testis.

Dr. Mark White focuses in the area of endourology and the treatment of stone disease. He has among the largest experience anywhere with ureteroscopic stone procedures and is the author of a number of scientific papers on the topics of minimally-invasive laser treatments for renal calculi and other surgical techniques, many of which he has presented at international scientific meetings. Dr. White is the Education Program Director for our Urology Residency is also an active participant in the Albany Medical Center Institutional Ethics Committee.

Drs. Elise De and Laura Chang Kit treat patients affected by incontinence and neuro-urological issues, as well as female & male pelvic reconstructive cases. Drs. De and Chang Kit also lead our urodynamics studies in our clinic.

Dr. Andrew McCullough heads our Division’s Andrology program. Dr. McCullough’s work in infertility, erectile dysfunction, and hypogonadism has made him an internationally recognized expert in his field. Because of the dramatic growth in this field, Dr. R. Charles Welliver has joined our practice and brings special expertise in benign prostatic diseases.

Dr. Donald Rivard supports the Division with expertise in General Urology. In addition, our clinical care is supported by three outstanding mid-level providers, Carl Diaz-Parker, PA, who specializes in urological oncology and andrology and Karla Giramonti, FNP, who works both in pediatric and adult Urology with a special interests in urinary incontinence and Randi Daniels, FNP, who works primarily in urological oncology. The recent addition of Dana Paravella (sp), PA has greatly enhanced our female urology program.

Dr. Barry Stein, former Chair of Urology at Brown University is the head of our active and growing Urology practice at the Albany Stratton VA Medical Center. He is joined by Dr. Donald Bentrovato (a former trainee) and many of our full-time faculty. This service provides outstanding care for veterans, including robotic surgery, female urology and andrology.

Education

The Urology Residency Program is a five-year training program comprised of one year of General Surgery and four years of Urology. Our program has been continuously accredited by the Accreditation Council for Graduate Medical Education (ACGME) with no citations for many years. We continue to be fully accredited in the new NAS system. Our program allows residents to gain experience in all forms of endoscopy (cystoscopy, ureteroscopy, nephroscopy and laparoscopy), as well as a large number of transurethral resection procedures and open surgery cases. Our strong robotic surgery program has grown substantially with the recent addition of two more fellowship-trained robotic surgeons. There is close interaction between the faculty and residents throughout their training, and our faculty provides extensive support and encouragement for research efforts. Our residents also train at the Stratton VA Medical Center, under the direction of Dr. Stein, Dr. Mian, Dr. O’Malley and Dr. Welliver with a number of other faculty assisting. The Division’s faculty and residents are active participants in the educational experience of third and fourth year medical students. Many third year students spend two weeks on the urology service, both in the office and the operating room. A fourth year elective rotation on our urology service is an extremely popular option for both local and visiting medical students. Our teaching program is routinely rated as one of the best at AMC by our students and, as a result, our residents and faculty have been awarded the “Silver Scalpel” for best surgical teacher many times over the years.

To further compliment our commitment to providing the best urological education available, our Division hosts several visiting professors each year. We also host and organize three or four annual post-graduate courses focusing on different subspecialties within urology, which draw attendees from all over New York and New England. Our most well known post-graduate course is our annual Current Concepts in Men’s Health conference, which draws attendees from all over the country to come listen to and exchange ideas with our faculty and visiting presenters.
Our Faculty

Laura Chang Kit, M.D.

Assistant Professor of Surgery

BSc (Biochemistry), MD, University of Ottawa, Ottawa, Canada

Residency:
University of British Columbia,
Vancouver, BC, Canada
Vanderbilt University Medical Center,
Nashville, Tennessee

Board Certification:
American Board of Urology 2010
Royal College of Physicians and Surgeons of Canada 2010

POSITIONS SERVED

Neurourology
Reviewer

Urodynamics
Reviewer

Journal of Urology
Reviewer

Journal of Endourology and Urology
Reviewer

INVITED PRESENTATIONS


PUBLICATIONS


Elise J.B. De, M.D.

Associate Professor of Surgery

Subspecialty Board certification: Female Pelvic Medicine and Reconstructive Surgery 2013

Board certification:
American Board of Urology - 2010

POSITIONS SERVED

AUA 2015 Annual Meeting
Course Co-Director: Native Tissue Repair for Incontinence and Prolapse. Orlando FL.

Albany Pelvic Health Center - Pelvic Pain Consortium
Medical Director

International Urogynecological Society
Section Editor of the IUGA Newsletter for Chronic Pelvic Pain
Member Publications Committee
International Continence Society
Active Member of Education Committee since 2008
ELearning SubCommittee 2014 to present
Ethics Committee 2014 to Present

Society For Urodynamics And Female Urology
Member since 2005. Faculty and / or Program Committee since 2010
Moderator, Poster and Podium Sessions, Faculty, Essay Reviewer.
2014/15: Video Abstract Review, Podium moderator, Poster presentation

Northeast Section American Urological Assoc.
Program Committee Member 2007

Journal Of Sexual Medicine
Reviewer since 2006
2014: 3 articles

Journal Of Urology
Reviewer since 2011
2014: 2 articles
2015: 2/26/15

Neurourology And Urodynamics
Reviewer since 2006
Reviewed 2/26/15, 4/25/15, 7/15/15

AUA 2014 Annual Meeting
Course Director: Native Tissue Repair for Incontinence and Prolapse. Orlando FL.
INVITED PRESENTATIONS


“A Novel Survival Model of Pelvic Floor Dysfunction After Rabbit Pelvic Floor and Transvaginal Electrical Stimulation”, Amy Dobberfuhl, Elise De. Society of Urodynamics, Female Pelvic Medicine & Urogenital Reconstruction. Miami, FL February 2014


PUBLICATIONS


De, E. and Frawley, H. “The Pelvic Floor Musculature as a Target in Pelvic Pain and Voiding Dysfunction.” IUGA Newsletter May 2014.


Hugh A.G. Fisher, M.D.

Associate Professor of Surgery

INVITED PRESENTATIONS


Jean Hollowell, M.D.

Associate Professor of Surgery and Pediatrics

POSITIONS SERVED

Pediatric Urology Conference for Pediatricians, Course Director

INVITED PRESENTATIONS


**PUBLICATIONS**


**Ronald P. Kaufman, Jr., M.D.**

Associate Professor of Surgery

**POSITIONS SERVED**

American Urological Association
Chairman, Coding & Reimbursement Committee
Member, Health Policy Council
G. James Gallagher Health Policy Scholar
Program Selection Committee
LRNST Committee
American Urological Association Annual Meeting 2015, Program Abstract Review Committee
Northeastern Section American Urological Association, President-Elect
Northeastern Section of the American Urological Association 65th Annual Meeting: Faculty

New York State Urological Society
President

**PUBLICATIONS**

Sorokin I, Feuerstein MA, Feustel P, Kaufman RP.

**Barry A. Kogan, M.D.**

Professor of Surgery and Pediatrics Chief, Division of Urology

**INVITED PRESENTATIONS**


Andrew McCullough, M.D.
Professor of Surgery

POSITIONS SERVED

2014
Current Concepts in Men’s Health Planning Committee Member
Reproductive and Sexual Health for Primary Care Course Director, Albany Medical College Institutional Review Board Member
Albany Medical Center Robotic Subcommittee Board Member

2015
Albany Medical College Institutional Review Board Member
Sexual Medicine Society of North America Course Director for Satellite CME approved symposium
Current Concepts in Men’s Health Co-Program Director
Albany Medical Center Subcommittee Board Member
International Society of Sexual Medicine Education Committee Member
International Society of Sexual Medicine Consultation in Sexual Medicine, Abstract Reviewer

INVITED PRESENTATIONS

“Phase III studies, show Endroxal™ (enclomiphene citrate) significantly improves total testosterone compared to Andro gel 1.62%, without suppression of spermatogenesis and testicular atrophy in overweight men with secondary hypogonadism.” Andrew McCullough. SMSNA New Orleans, LA. May 2015
“In two phase III studies, Endroxal™ (enclomiphene citrate) significantly improves total testosterone levels compared to Androgel 1.62%, without suppression of spermatogenesis and testicular function in overweight males with secondary hypogonadism.” Andrew McCullough. American Urological Association Meeting. New Orleans, LA. May 2015

Optimization of Sexual Function Outcomes in the Patient with Prostate Cancer Faculty: John Mulhall, Francesco Montorssi, Andrew McCullough 3 CME credits provided by AUA, American Urological Association Meeting New Orleans, May 2015


**PUBLICATIONS**


**Badar M. Mian, M.D.**

Associate Professor of Surgery

**POSITIONS SERVED**

AUA-Northeastern Section
Scientific Program Committee
Society of Urologic Oncology
Chair, Membership Committee
AUA-Northeastern Section
Moderator
International Prostate Forum
Program Co-Director
BMC Urology
Associate Editor
Journal of Urology
Reviewer
Urologic Oncology
Reviewer
Urology
Reviewer
British Journal of Urology
Reviewer
INVITED PRESENTATIONS

“Management of Persistent Positive Cytology”

“Uronav: Is it the GPS for prostate cancer?”
Badar Mian. 14th Annual Current Concepts in Men's Health, Marriott Conference Center, Saratoga Springs, NY. August 2015


“Management of Localized High-Risk Prostate Cancer: Upfront Surgery or Radiation”


PUBLICATIONS


Rebecca O’Malley, M.D.
Assistant Professor of Surgery

INVITED PRESENTATIONS


“Germ Cell Tumors” Rebecca O’Malley. Albany Medical College PA program. Albany, NY


“Germ Cell Tumors”, Rebecca O’Malley. Lecture to PA Students. February 2014

PUBLICATIONS


Barry Stein, M.D.
Professor of Surgery

GRANTS
$75,000 by New York State for prostate cancer research on the elderly

PRESENTATIONS

R. Charles Welliver, M.D.
Assistant Professor of Surgery

POSITIONS SERVED
Journal of Urology Reviewer
Oakstone Publishing Reviewer
Division of Urology Residency Committee Member
Sexual Medicine Society of North America Young Clinician Committee Member
Division of Urology Clinical Competency Committee Member
Albany Medical College Subcommittee to Review ACGME and GME scores Member

PRESENTATIONS


PUBLICATIONS


PUBLICATIONS


Research Faculty

Martin Tenniswood, Ph.D.

Empire Innovations Professor
Department of Biomedical Sciences
School of Public Health
University at Albany
State University of New York

positions served

Blackstone Launchpad Stewardship Committee
Member

University at Albany Breast Cancer Summer Research Program and Symposium, Cancer Research Center
Organizer, June-August 2015

External Advisory Committee, Trinity College Cancer Institute
Member

Review Committee for Komen For the Cure Northeastern New York Affiliates Board, Community Grants Program
Member

North West Cancer Research Agency (UK); World Cancer Research Fund International; PLOS One
Ad hoc Reviewer

Publications


GRADUATE STUDENT SUPERVISION COMPLETED:


UNDERGRADUATE STUDENTS

Babatunde Adeyeme, Senior, Department of Biological Sciences, University at Albany

Lindsay Chu, Sophomore, Department of Neuroscience, Johns Hopkins University (supported by Walter and Anne Robb Fellowship)

Jemimah Royer, Junior, Department of Biology, Long Island University (CSTEP)

Robert Levin, Ph.D.

Adjunct Professor of Surgery

PUBLICATIONS


Spettel, S, Schuler, C, Levin R.M., Dubin, A., and De, E. Animal Model of Pelvic Floor Dysfunction and Cystometric Effects of Pelvic Floor Dysfunction, Urology (Submitted for publication)

Wei-Yu Lin, Ching Chuan Hsieh, Teng-Yao Yang, Miaw-Ling, Chen, Li Ying Huang, Yi-Pai Lin, Pey-Jium Chang, Robert M. Levin and Yau-Huei Wei, Transient Increase of Circulating Myeloid-Derived Suppressor Cells, after Partial Bladder Outlet Obstruction and Its Reversal, BJU International (submitted for publication)

Lin, W-Y, Yi-Pai; Y-P, Li; Huang, Y; Levin, RM, and Chen, ML; The Relevance of Immune Responses on Partial Bladder Outlet Obstruction and Reversal (submitted for publication)


Dobberfuhl, AD; Spettel, S; Schuler, C; Dubin, AH; Levin, RM; De, EJB. A Novel Cystometric Model of Pelvic Floor Dystonia: Voiding Dysfunction after Rabbit Pelvic Floor Electrical Stimulation; Female Pelvic Medicine & Reconstructive Surgery (in press), 2015.


Paul J. Higgins, Ph.D.
Adjunct Professor of Surgery
Professor and Co-Director,
Center for Cell Biology & Cancer Research

POSITIONS SERVED

American Association for Cancer Research
Tumor Microenvironment Working Group
Member

American Heart Association Councils on Basic Cardiovascular Science and Arteriosclerosis, Thrombosis & Vascular Biology
Member

Wound Healing Society Program Committee
Member
National Cancer Institute ACTS Panel
NCI Omnibus Cancer Marker Panel

PUBLICATIONS


Hazra S, Stepps V, Bhawadakar AD, Caballero S, Boulton ME, Higgins PJ, Nikonorova EV, Pepine CJ, Thut C, Finney EM, Stone DJ, Bartelmez SH, Grant MB. “Enhancing the function of


Volunteer Faculty

Donald Bentrovato, M.D.
Clinical Associate Professor of Surgery

William Oberheim, M.D.
Clinical Assistant Professor of Surgery

Michael Perrotti, M.D.
Clinical Associate Professor of Surgery

Donald J. Rivard, M.D.
Clinical Associate Professor of Surgery

Marcus Shoobe, M.D.
Clinical Associate Professor of Surgery

Harry Wilbur, M.D.
Associate Professor of Surgery (VAMC)

RESIDENTS

2015 Graduates

Amy Dobberfuhl, M.D.
University of North Carolina
Chapel Hill School of Medicine

Ardalanejaz Ahmad
Shiraz University of Medical Science

CURRENT RESIDENTS

Chief Residents

Diana Cardona–Grau, M.D.
Igor Sorokin, M.D.

R4

William Ulmer, M.D.
Sevann Helo, M.D.

R3

Joseph Mahon, M.D.
Alexandra Rehfuss, M.D.

R2

Alex Arnouk, M.D.
Iljia Aleksic, M.D.

R1

Adam Schatz, M.D.
Albany Medical College

Rikin Patel, M.D.
SUNY Upstate Medical University of Thomas Jefferson University College of Medicine
MANUSCRIPT PREPARATION/
PUBLICATIONS/ABSTRACTS


Sorokin I, Mian BM. Risk calculators and updated tools to select and plan a repeat biopsy for prostate cancer detection. Asian J Androl. 2015. PMID: 26112489


LECTURES/GRAND ROUNDS


Ahmad A, Sorokin I. “Updates from Society of Urologic Oncology, Sexual Medicine Society and World Congress of Endourology”. Jan 2014.

RESIDENT PRESENTATIONS AT
SCIENTIFIC MEETINGS


“Evaluation of Protein Phosphatase PPM1a as a Novel Target in Renal Fibrosis”, Alexandra Rehfuss MD, Paul J. Higgins, PhD., Rohan Samarakoon PhD. Upstate Urology resident essay contest. Skaneateles, NY. April 2015 & Albany Medical College resident research day. Albany, NY. April 2015


“Clomiphene citrate is superior to anastrozole in raising testosterone in hypogonadal infertile men: A prospective randomized double blind comparison trial.” 20th Annual Fall Scientific Meeting of the Sexual Medicine Society of North America. 20-23 November 2014, Miami, FL

DISTINGUISHED VISTORS (2014-2015)

Gennady Bratslavsky, M.D., Chairman, Professor of Surgery, Upstate Medical University March 2015

Stephan Nakada, M.D., Assistant Professor of Surgery and Head, Section of Endourology and Stone Disease Department of Surgery, Division of Urology, University of Wisconsin Hospital and Clinics, University of Wisconsin Medical School, Madison, Wisconsin “Urolithiasis: Find it, Treat it, Beat it” June 17-20, 2015

Stuart Howards, M.D., professor of Urology, Wake Forest Baptist Health, is a nationally recognized expert in male infertility. “Innovative Finance for Physicians,” “The FDA and Testosterone: Step on the Gas or Hit the Breaks” September 30-October 1, 2015

Stacy Loeb, M.D., Assistant Professor of Urology and Population Health at New York University (NYU), specializing in prostate cancer. “Prostate cancer and Social media” October 12, 2015
INVITED OUTSIDE SPEAKERS AT OUR CURRENT CONCEPTS IN MEN’S HEALTH CONFERENCE 2015

Gennady Bratslavsky, M.D., Chairman, Professor of Surgery, Upstate Medical University

Edward M. Messing, M.D., Professor and Chairman of Urology, University of Rochester

J. Curtis Nickel, M.D., Professor of Surgery, Queens University, Kingston, Ontario

Ashutosh Tewari, M.D., Professor of Surgery, Mount Sinai, New York

Kevin T. McVary, M.D., Professor and Chair, Division of Urology, South Illinois University.

Adam H. Cooper, J.D., Director, Carter Conboy Law Firm, Albany, NY

Joel Nelson, M.D., Professor and Chairman of the Department of Urology at the University Pittsburgh; Co-director of the University of Pittsburgh Cancer Institute’s Comprehensive Prostate and Urologic Cancer Center

Kevin Billups, M.D., Associate Professor of Urology and Medicine as well as the Director of the Men’s Health & Vitality Program at The John Hopkins University

Stephanie Stinchcomb, CPC, CCS-P, ACS-UR, AUA Director Coding and Reimbursement

Victor Nitti, M.D., Professor of Urology and Vice-Chairman of the Department of Urology; Director, Residency Program; Director, Voiding Dysfunction and Female Urology at New York University

Arthur Burnett, M.D., Patrick C. Walsh Distinguished Professor of Urology; Director, Basic Science Laboratory in Neuourology; Director, Sexual Medicine Fellowship Program; Faculty Member, Cellular and Molecular Medicine Graduate Training Program at The John Hopkins University

Michael Ferragamo, M.D., Kings County Hospital Center

Research Activities

Sponsored Clinical Trials

Long-Term safety, curvature deformity characterization and immunogenicity over time in subjects previously treated with AA4500 for peyronies disease in studies AUX-CC-823,AUX-CC-803,AUX-CC-804,AUX-CC-806 (Auxilium Pharmaceuticals) PI: Andrew McCullough, M.D. Subl: Joseph Ellen, M.D., R. Charles Welliver, M.D., Carl Diaz-Parker, PA.

A Phase 3 Randomized, placebo controlled couple-blind study of JNJ-56021927 in combination with abiraterone acetate and prednisone versus abiraterone acetate and prednisone in subjects with chemotherapy-naive metastatic castration resistant prostate cancer (mCRPC). (Aragon Pharmaceuticals) PI: Hugh Fisher, M.D. Subl : Ronald Kaufman, M.D., Badar Mian, M.D., Rebecca O’Malley, M.D., Carl Diaz-Parker, PA., Karla Giramonti, FNP, Randi Daniels, FNP.

Effect of CTAPI01 Capsules on Serum Calcium, Plasma Intact parathyroid Hormone and Vitamin D Metabolites in Patients with Advanced Breast or Prostate Carcinomas with metastases to bone and receiving ongoing therapy with denosumab or zoledrioni acid. (OPKO Ireland Global Holdings, Ltd.). PI: Hugh Fisher, M.D. Subl: Ronald Kaufman, M.D., Badar Mian, M.D., Rebecca O’Malley, M.D., Carl Diaz-Parker, PA., Randi Daniels, FNP.

A study to evaluate a panel of urine markers for use in patients undergoing evaluation for bladder cancer, ONC-BL-02 (Oncocyte corporation). PI: Badar Mian, M.D. SubPI: Ronald Kaufman, M.D., Hugh Fisher, M.D., Rebecca O’Malley, M.D., Mark White, M.D.

A Prospective Observational cohort study of patients with castration resistant prostate cancer in the US (CRPC). (Astellas). PI: Hugh Fisher, M.D.

An Open-Label, Multicenter Phase 3 Study to Evaluate the Efficacy and Tolerability of Intravesical Vicinium™ in Subjects with Non Muscle-Invasive Carcinoma in Situ (CIS) and/or High-Grade Papillary Disease of the Bladder Previously Treated with Bacillus Calmette-Guérin (BCG). (Viventia Bio, Inc). PI: Badar Mian, M.D. SubPI: Ronald Kaufman, M.D., Hugh Fisher, M.D., Rebecca O’Malley, M.D., Carl Diaz-Parker, PA., Randi Daniels, FNP.

Post Marketing Study Using Prolieve™ For The Treatment of Benign Prostatic Hyperplasia
An open Label, nine-month randomized controlled study of Testosterone (Testopel) pellets plus Vitamin D and E versus Vitamin D and E alone for the treatment of Peyronie’s Disease. (Mens Health Boston) PI: Andrew McCullough, M.D., Sub I: Ronald Kaufman, M.D., Mark White, M.D., Clay Mechlin, M.D., Karla Giramonti, FNP, Carl Diaz-Parker, PA.

An international phase 3 Randomized trial of autologous dendritic cell immunotherapy (AGS-003) plus standard treatment of advanced renal cell carcinoma (ADAPT). (Argos) PI: Ronald Kaufman, M.D., Sub I: Hugh Fisher, M.D., Badar Mian, M.D., Rebecca O’Malley, M.D., Emily Feauve, Karla Giramonti, FNP, Carl Diaz-Parker, PA.

A Phase 3 open-label baseline controlled multicenter sequential dose titration study to assess the long term efficacy, and safety, and the pharmacokinetics of solafenacin succinate suspension in pediatric subjects from 5 to less than 18 years of age with neurogenic detrusor overactivity (NDO). (Astellas) PI: Barry Kogan, M.D., Sub I: Jean Hollowell, M.D., Karla Giramonti, FNP. Tarxetine study registry. (Memorial Sloan-Kettering Cancer Center) PI: Hugh Fisher, M.D. Sub I: Ronald Kaufman, M.D.

A prospective, randomized, controlled investigation of prostate artery embolization with embosphere microparticles compared to transurethral resection of the prostate for treatment of symptomatic benign prostatic hyperplasia. (Merit Medical Systems) PI: Hugh Fisher, M.D.

A multi-center, randomized, double blind, placebo-controlled, Phase III study of ARN-509 in Men with Non-metastatic Castration resistant Prostate cancer. (Aragon Pharmaceuticals) PI: Hugh Fisher, M.D., Sub I: Ronald Kaufman, M.D., Badar Mian, M.D., Rebecca O’Malley, M.D., Karla Giramonti, FNP, Carl Diaz-Parker, RPA.

A randomized, double blind placebo controlled, multi-center phase III study in men with acquired hypogonadotropic hypogonadism to compare changes in testosterone and sperm concentration following treatment with 12.5 or 25 mg androxtal or androgel 1.62%. (Repros Therapeutics, Inc) PI: Andrew McCullough, M.D., Mark White, M.D., Ronald Kaufman, M.D., Karla Giramonti, FNP, Carl Diaz-Parker, RPA.

A randomized, double blind, vehicle-controlled, multicenter safety and efficacy study of a single intraprostatic treatment of PRX302 for lower urinary tract symptoms secondary to BPH (the PLUS 1 trial). (Sophiris) PI: Andrew McCullough, M.D., Sub I: Mark White, M.D., Ronald Kaufman, M.D., Karla Giramonti, FNP, Carl Diaz-Parker, RPA.

An Open Label, Single Arm, Extension Study to Evaluate the Long Term Safety of Denosumab (AMG 162) in the Treatment of Bone Loss in Subjects Undergoing Androgen-Deprivation Therapy for Non-metastatic Prostate Cancer. Sub I: Ronald Kaufman, M.D.

A Randomized, Open-Label, Phase 2 Trail Examining the Sequencing of Sipuleucel-T and Androgen Deprivation Therapy in Men with Non-Metastatic Prostate Cancer and Rising Serum Prostate Specific Antigen After Primary Therapy. (Dendreon Corporation) PI: Hugh Fisher, M.D. Sub I: Ronald Kaufman, M.D.

A prospective, single blind, randomized, phase III study to evaluate the safety and efficacy of fibrin sealant Grifols (FS Grifols) as an Adjunct to hemostasis during soft tissue open surgeries. (Grifols) PI: Ronald Kaufman, M.D., Hugh Fisher, M.D., Badar Mian, M.D., Rebecca O’Malley, M.D., Barry Kogan, M.D., Jean Hollowell, M.D., Karla Giramonti, FNP, Carl Diaz-Parker, RPA.

A Single-Country, Multicenter, Single-Arm Study of the Effects of Atrasentan on Spermatogenesis and Testicular Function. (Abbvie) PI: Andrew McCullough, M.D., Ronald Kaufman, M.D., Rebecca O’Malley, M.D., Mark White, M.D., Karla Giramonti, FNP, Carl Diaz-Parker, RPA, Marsha Forman

A Double-Blind, Multiple-Dose, 52-week study to evaluate the efficacy and safety of Quickshot Testosterone administered subcutaneously once each week to adult males with hypogonadism. (Antares) PI: Andrew McCullough, M.D., Sub I: Mark White, M.D., Ronald Kaufman, M.D., Carl Diaz-Parker, RPA, Joseph Ellen, M.D., Charles Welliver, M.D.

Metastatic Renal Cell Cancer Registry. (Pfizer) PI: Hugh Fisher, M.D. Sub PI: Ronald Kaufman, M.D., Badar Mian, M.D., Rebecca O’Malley, M.D.

A Multicenter, Randomized, Double-Blind, Three-Arm Efficacy Study of Auriclosene
Irrigations Solution on Indwelling Urinary Catheter Patency. (Novabay) PI: Mark White, M.D. Sub PI: Elsie De, M.D., Laura Chang-Kit, Karla Giramonti, FNP.

Non-Industry Sponsored Research Studies

Outcomes of robotic pyeloplasty using a barbed suture. PI: Ronald Kaufman, M.D. Sub I: Igor Sorokin, M.D., Rebecca O’Malley, M.D.

A Comparison of the cost efficacy and surgical outcomes between Bipolar TURP and 180-W XPS Greenlight PVP. PI: Laura Chang-Kit, M.D. Sub I: Ankur Shah

A retrospective study on the long term follow up of Effects of intravesical Botulinum Toxin A Injection in patients with neurogenic bladder. PI: Elise De, M.D. Sub I: Alexandra Rehfuss, M.D.

Lateral Urethropexy for Stress Urinary Incontinence in Female Patients An operative Video showing the approach as an alternative for mid-urethral slings. PI: Elise De, M.D. Sub I: Alexandra Rehfuss, M.D.

Prospective Database multidisciplinary approach to improve care for pelvic pain. PI: Elise De, M.D. Sub I: Laura Chang-Kit, M.D., Andrew McCullough, M.D., Charles Welliver, M.D.

The psychiatric impact of pediatric medical experience and other trauma on adult urological procedures. PI: Elise De, M.D. Sub I: Xu Yiqin

A Pilot Study of the Effect of Vasectomy on Insulin Like growth Factor III Secretion, a Marker of Leydig Cell Function. PI: Andrew McCullough, M.D. Sub I: Megan McCarty, Joseph Ellen, M.D., Charles Welliver, M.D.

A Randomized Double Blinded Placebo Controlled Trial between Anastrozole and Clomiphen to Evaluate Improvement in Hypogonadal Symptoms and Erectile Function Using ADA, IIEF, and EHS Validated Scales. PI: Andrew McCullough, M.D. Sub I: Joseph Ellen, M.D., Charles Welliver, M.D.

A Pilot study to investigate serum levels of enclomiphene, zuclophonpe and insulin like growth factor three in hypogonadal men treated with clomiphen citrate. PI: Andrew McCullough, M.D. Sub I: Charles Welliver, M.D., Joseph Ellen, M.D

Urological Institute of northeastern New York (UINEY) Andrology Registry. PI: Andrew McCullough, M.D. Sub I: Clay Mechlin, M.D., Charles Welliver, M.D., Himanshu Aggarwah, M.D., Carl Diaz-Parker, PA., Karla Giramonti, FNP.

The Effect of Aromatase Inhibitors on Testosterone levels in Hypogonadal Men Undergoing Testosterone replacement. PI: Andrew McCullough, M.D. Sub I: Clay Mechlin, M.D., Charles Welliver, M.D., Himanshu Aggarwah, M.D., Seun Akinola, M.D., Ardalan Ahmad, M.D., Jason Frankel.


Expression patterns of a3b1 integrin and programmed death protein ligand 1 in RCC and association with clinical outcomes. PI: Rebecca O’Malley, M.D. Sub I: Tipu Nazeer, C. Michael DiPersio, Joseph Mahon, M.D.

Investigating Gender Disparities in Referral Patterns for Gross Hematuria. PI: Rebecca O’Malley, M.D. Sub I: Elizabeth Garvey.

Non-Congruent UroVysion, Cytology and Cystoscopy Results in Detecting Urothelial Carcinoma. PI: Hugh Fisher, M.D.

A prospective study to examine urologic consults at two different institutions. Co-PI: Charles Welliver, M.D., Seun Akinola, M.D.

Assessing Inter- and Intra-Observer Variability In Testicular Ultrasound Volumes. PI: Charles Welliver, M.D. Sub I: Barry Kogan, M.D., Jean Hollowell, M.D., Diana Cardona-Grau, M.D., Paul Feustal, Leon Elebyjian, Tom Murphy

Gender Bias in Surgery. Co-PI: Barry Kogan, M.D., Rebecca O’Malley, M.D.

Changes in the Management of UTI’s and Reflux in Children. PI: Barry Kogan, M.D. Sub I: Rasheeda Vareen

Quality of Life in Intersexuality: A Pediatric Clinical and Research Tool Pediatric. PI: Barry Kogan, M.D. Sub I: Jean Hollowell, M.D.

How Many RVUs Does a Pediatric Urologist Generate? PI: Barry Kogan, M.D.

Testicular Position and Histology. PI: Barry Kogan, M.D.

A Coping Intervention for Children Undergoing VCUG. PI: Barry Kogan, M.D., Sub I: Leslie Halpern, Karla Giramonti, FNP.

Relationship Between Microbiome and Pediatric Urology Problems. PI: Barry Kogan, M.D., Sub I: Jean Hollowell, M.D., Karan Desai, Karla Giramonti, FNP.
Patient Reported Outcomes in Childhood Incontinence. PI: Barry Kogan, M.D., Sub I: Alexandra Quittner.

Long Term Comparison of Testicular Volume and Catch up Growth in Adolescents. PI: Barry Kogan, M.D., Sub I: Siddhatth Khasnavis, M.D.

ASPIRE Study: Assessing Surgical Improvement in Residency Education. A rating system for monitoring trainee competency in operative procedures. PI: Barry Kogan, M.D. Sub I: Adam Schatz, M.D.

Microbiome of Pediatric Urine. PI: Barry Kogan, M.D.

Does Early Ambulation Decrease Hospital Length of Stay in Renal Trauma: A Randomized, Prospective Study. PI: Ronald Kaufman, M.D., Sub I: Himanshu Aggarwal, M.D., Igor Sorokin, M.D.

Image-Guided Thermal Ablation of Renal Tumors: The Albany Medical Center Experience. PI: Ronald Kaufman, M.D., Sub I: Michael Feuerstein, M.D.

Testosterone Replacement Therapy for Hypogonadism in men after radiation for prostate cancer. PI: Ronald Kaufman, M.D., Sub I: Andrew McCullough, M.D., Charles Welliver, M.D., R. Charles Welliver, M.D., Oluwaseun Akinola, M.D., Joseph Mahon, M.D.

Transrectal Ultrasound Versus CT scan in the estimation of prostatic volume. PI: Laura Chang-Kit, M.D., Sub I: Igor Sorokin, M.D., Allen Herr, M.D.

A Prospective Randomized Trial on the Ideal Management of Urinary Retention. PI: Elise De, M.D., Sub I: Igor Sorokin, M.D., Diana Cardona-Grau, M.D., Paul Feustel, M.D.

A Prospective Study to Predict Occult Stress Urinary Incontinence in Women with Pelvic Organ Prolapsed by Ambulatory Pessary Trial. PI: Elise De, M.D., Sub I: Laura Chang-Kit, M.D., Peter Cole, David Kimble, Himanshu Aggarwal, M.D., Alexis Tran, Susan Hallock, RN, Jeanne Ann Dahl, NP.

Minimally Invasive Salvage for SUI. PI: Elise De, M.D., Sub I: Diana Cardona-Grau, M.D., Haritha Sishtla.

Infertility as an Indicator of Male Hypogonadism in Couples Referred to in Vitro Fertilization (IVF) Center. PI: Andrew McCullough, M.D., Sub I: Ardalan Ahmad, M.D., Charles Welliver, M.D., Marsha Forman, M.D.

Variability in Scrotal Ultrasound Characteristics in Males with Varicoceles. PI: Andrew McCullough, M.D., Charles Welliver, M.D., Joseph Mahon, M.D.

A Randomized Controlled Trial Comparing Clomiphene Citrate and Anastrozole for the Treatment of Male Hypogonadism. PI: Andrew McCullough, M.D., Clay Mechlin, M.D., Peter Horvath, M.D., Marsha Forman, M.D.

Robotic Assisted Microvaricoceleectomy (RAMV) A retrospective, Multi-institutional Study. PI: Andrew McCullough, M.D., Sub I: Ahmed Alkaram, M.D.

Outcomes Analysis of Patients Undergoing Screening, Biopsy and Treatment for Prostate Cancer. PI: Badar Mian, M.D., Sub I: Rebecca O’Malley, M.D., Joseph Mahon, M.D., Igor Sorokin, M.D.

Uncovering the Etiology of Gender Disparity in Kidney Cancer Treatment. PI: Rebecca O’Malley, M.D., Sub I: Igor Sorokin, M.D., Barry Kogan, M.D.

Matrix Mediators of Wound Healing. PI: Paul Higgins, M.D., Sub I: Badar Mian, M.D.

Effect of non-anticoagulant heparin-like molecule against bladder cancer. PI: Badar Mian, M.D.

Principals of Research. Co-PI: Badar Mian, M.D.

Infectious complications following prostate biopsy. PI: Badar Mian, M.D.

What Stone Factors Increase Operative Times for Ureteroscopic Lithotripsy. PI: Mark White, M.D., Sub I: Igor Sorokin, M.D., Diana Cardona-Grau, M.D., Allen Herr, M.D.

Is CT Necessary After Ureteroscopy and Laser Lithotripsy. PI: Mark White, M.D., Sub I: Oluwaseun Akinola, M.D., Erin Corsini, MS.

Ureteroscopy and Laser Lithotripsy for Simultaneous Management of Bilateral Urolithiasis. PI: Mark White, M.D., Sub I: Ardalan Ahmad, M.D., Maria Vanushkina.

Developing Sentinel miRNAs to Differentiate between Indolent and Aggressive Prostate Cancer. PI: Jeffery Ross, M.D., Sub I: Hugh Fisher, M.D., Martin Tenniswood, M.D., Sridar Chittur, Igor Sorokin, M.D., Gregory Direnzo, Winnie Wang.