

IN THIS ISSUE...

- 2 Comments from the Chairman
- 3 Recognitions:
 Dr. Edward Mason

Dr. Jamal Hoballah

4 - 7 Division Highlight:

Plastic and Reconstructive Surgery

- 8 Research Announcements
- 9 Importance of Philanthropy
- 10 11 Welcome New Surgery Faculty
- 12 15 Education Updates
- 16 17 Department of Surgery Updates
- 18 UI Surgery/Mercy Medical Center Cedar Rapids General Surgery Clinic
- 19 Department of Surgery Quick Facts

Welcome to the 2013 Annual Summary newsletter from the UI Department of Surgery.

Once again, the Department of Surgery marked impressive advances in many areas. Look through the pages to find new faculty members and mark major milestones and accolades with us.

We are very proud of the numerous awards and honors garnered by our talented faculty, fellows, residents, and staff over the past year. Please share in our pride as you read this newsletter. Current and former members of the Department are welcome to share their news by emailing surgerynews@healthcare.uiowa.edu.

We are pleased to bring you this year's highlights, and we encourage you to visit our academic website at www.medicine.uiowa.edu/surgery to view our most current news and events updates.

We look forward to sharing additional initiatives and achievements in future newsletters!

- UI Department of Surgery

ANNUAL SUMMARY 2013

COMMENTS FROM THE UI DEPARTMENT OF SURGERY PROFESSOR AND CHAIRMAN



Greetings from the UI Department of Surgery. It continues to be a time of great growth and change for our department.

In collaboration with University of Iowa Healthcare, the Department of Surgery is helping spearhead an effort to establish a healthcare alliance extending throughout the State of Iowa. This is being done to advance the high quality of health care services, and to improve the service options for patients, communities, and local healthcare organizations. The UI healthcare community is tremendously excited about the possibilities the Alliance affords to healthcare providers and patients across the region.

Our faculty continues to excel in the mission of our institution and provide excellent clinical care while remaining dedicated to the advancement of clinical, teaching, and research missions in academic surgery.

As we do annually, the Department of Surgery welcomed new residents and wished continued success to our graduates. Our program continues to attract highly motivated and promising applicants for both residency and fellowship training. We are also excited to see an increasing number of lowa medical students matching into surgical specialties.

We are proud to share news about the progress in our department, and look forward to advancing our mission and pursuit of excellence.

Rondes weigh

Ronald J. Weigel, MD, PhD, MBA EA Crowell, Jr Professor and Chairman Associate Vice President UI Health Alliance

Department of Surgery Faculty and Resident Staff May 2013



Department of Surgery 2012-2013 May, 2013

Firstrow: Kristine Orion, Kevin Bridge, Samy Maklad, Siroos Shirazi, Flonald Weigel, Julie Cupp, Andrew Phillip, Prashant Khullar, Jerrod Keith

Second row: Carlos Pelaez, A. Reema Kar, Anuradha Bhama, Hui Sen Chong, Jessica Smith, John Armstrong, Alan Reed, Naina Bagrodia, Allison Lorenzen,

Hisakazu Hoshi, Wei Chen, Thomas Lawrence, Jennifer Hrabe

Evgeny Arshava, Graeme Pitcher, Joseph Cullen, Zoe Stewart, Dionne Skeete, Farcoq Mirza, Anthony Swatek, Matthew Wideroff, Jennifer Shanklin, Jessemae Welsh, Jennifer Carr, James Howe, Timothy Kresowik, W. John Sharp

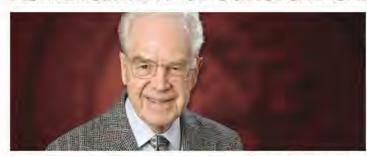
David Ring, Scott Sherman, Fadi Dahdaleh, Christine Waller, Jessica Maxwell, Kent Choi, Ryan Conway, Ulrik Wallin, Timothy Thomsen, Ryan Deets, Isaac Samuel, Vincent Reid, Rachael Nicholson, John Byrn

Faculty Absent: Parth Amin, Thomas Collins, John Cromwell, Alice Fagin, Jamal Hoballah, Jody Jones, Muneera Kapadia; Daniel Katz, G. Patrick Kealey, Geeta Lal

James Mezhir, Nora Royer, Carol Scott-Conner, Mel Sharafuddin, Joel Shilyansky, Sonia Sugg, Suemoy Wallace, Lucy Wibbenmeyer

f Absent: Amir Alhaijat, John Cleslak III, James De Andrade, Akpene Gbegnon, Megan Groff, F, Keith Houwen, Grant Lee, S, Tammy Li, Courtney Olmsted, Philip Spanheimer, Raphael Sun, Brittany Wertzberger

MASON AWARDED MEDALLION FOR THE ADVANCEMENT OF SURGICAL CARE



Edward E. Mason, MD, PhD has been awarded the Medallion for the Advancement of Surgical Care by the American Surgical Association. This prestigious award recognizes individuals for their seminal contributions in clinical surgery or surgical education that have truly established new benchmarks or paradigms. Dr. Mason was recognized with this honor at the 133rd Annual Meeting of the ASA in Indianapolis, Indiana in April 2013 for his lifelong leadership in the fight against obesity and its associated health problems, including the development of gastric bypass surgery and vertical banded gastroplasty.

Considered the "father of obesity surgery," his significant contributions to the field continue to change lives.

Dr. Mason, Professor Emeritus in the Department of Surgery, spent more than 50 years and nearly his entire medical career at The University of Iowa. He and his wife, Dordana, a retired University of Iowa dietician, devoted their lives to the fight against obesity. He has published over 150 manuscripts, 4 books, almost 40 book chapters, and given literally hundreds of lectures and presentations over his lengthy career. To continue their legacy, the Dr. Edward and Dordana Mason Professorship was established to support the research of a distinguished UI faculty member in the field of obesity and related health conditions.

HOBALLAH TRANSITIONS TO UI EMERITUS FACULTY AFTER DISTINGUISHED SURGICAL CAREER

After a long and distinguished career in the Department of Surgery, Dr. Jamal Hoballah retired and transitioned to Emeritus Professor status as of July 1, 2013. Dr. Hoballah received his medical degree from the American University of Beirut in Beirut, Lebanon. He then did two years of surgery residency in Beirut before transferring to the New York University Medical Center, where he completed his residency including a final year as Executive Chief Resident. He completed fellowships in General Surgery and Trauma at New York University in New York, New York, and a fellowship in Vascular Surgery at the University of Iowa. He also holds an executive MBA from the University of Iowa,



and attended the Leadership Development for Physicians in Academic Health Centers course through the Harvard School of Public Health.

Aside from an initial two years as an Assistant Professor at New York University Medical Center, Dr. Hoballah spent the vast majority of his professional career at Iowa, beginning in 1991 as an Associate, and eventually obtaining the rank of Professor in 2002. During that time, he served in a number of different administrative roles, including Chief of Vascular Surgery at the Veterans Affairs Medical Center in Iowa City, Associate Director of the General Surgery Residency training program, Director of the Vascular Surgery Fellowship program, seven years as Director of the Division of Vascular Surgery, and Surgical Director of the UI Heart and Vascular Center. In 2008, a family medical situation called him back to Beirut; Dr. Hoballah took a leave of absence from Iowa and accepted a position as Chairman of the Department of Surgery at the American University of Beirut Medical Center. This enabled him to continue his practice of academic vascular surgery, and to continue to collaborate with colleagues here and abroad. As it became apparent Dr. Hoballah's stay in Lebanon would be of longer duration, the Department and Dr. Hoballah looked for a way to honor and continue his affiliation with the department. Transitioning to emeritus status maintains his ties with the University and the department that are dear to his heart and had been the setting for so much of his professional productivity.

Dr. Hoballah has published widely in top flight journals and is the author/editor of four textbooks. He has also been an invited speaker at over 100 meetings nationally and around the globe. He has served as President of the Johnson County Medical Center Society, President of the Vascular Surgery Society of Iowa, and served on the Iowa Medical Society Board of Directors. He is a member of numerous professional societies and a Fellow of the American College of Surgeons (ACS). Dr. Hoballah is currently the Chair of the International Relations Committee of the American College of Surgeons and the Governor of the ACS Lebanon Chapter. In his time at the University of Iowa, he has been instrumental in the education of literally hundreds of resident and fellows, sharing his knowledge and skills with the next generation of vascular surgeons.

We congratulate Dr. Hoballah on his long illustrious career at lowa, and look forward our continued collaboration with him in his role as Chair of Surgery at the American University of Beirut.

DIVISION HIGHLIGHT

A message from the Director



The Division of Plastic and Reconstructive Surgery is in the process of developing into a program which will someday rival any in the country. The clinical scope of Plastic Surgery is broad and includes aesthetic surgery, as well as a wide range of reconstructive procedures in adults and children. Many of the reconstructive procedures, in particular, are complementary to work performed by surgeons from other specialties. Currently with three faculty members, the Division has become a vital contributor to the Breast program and an important complement to the Bariatric Surgery program by offering of post-weight loss body contouring procedures. The Plastic Surgery faculty has also begun to be more involved in reconstructive procedures to complement work done by faculty members in the Department

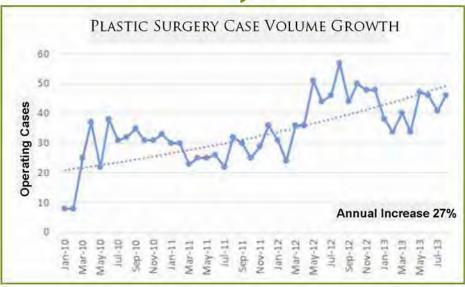
of Surgery, as well as Neurosurgeons, Cardiac Surgeons, Urologists, Otolaryngologists and Orthopedic Surgeons. Though there has been significant expansion in terms of services offered since the birth of the current Division, we have in some ways just scratched the surface in terms of what the program can become. The future will hopefully bring more involvement in the Hand Surgery and Facial Trauma programs, and in the management of skin cancers and other dermatologic pathology. It is hoped that with involvement in the Cleft and Craniofacial program, the program can grow and become a true multidisciplinary and collaborative program. Sites outside the main UIHC hospital facility can be further developed as components of the clinical program as well, and will be particularly critical to the expansion of the Aesthetic Surgery program.

In addition to providing clinical service, the Division is working to expand its educational and research programs. The Plastic Surgery Residency Review Committee (RRC) recently approved an Independent Plastic Surgery training program at the University of Iowa. The program will include three years of training beginning after prerequisite training in Surgery, Otolaryngology, Orthopedics, Neurosurgery, Urology or Oral and Maxillofacial Surgery. As clinical services expand, the size of the residency can be expanded to include an Integrated component beginning at the PGY-1 level. The current faculty has initiated clinical research projects in several areas. We intend to someday expand our research programs to include basic science studies.

Much progress has been made since the rebirth of the Division of Plastic and Reconstructive Surgery within the Department of Surgery at UIHC, and additional efforts will help the Division ultimately achieve its full potential. With the support of the Department, this is within reach.

W. Thomas Lawrence, MD Professor and Director UI Division of Plastic and Reconstructive Surgery

Service Growth



Under Dr. Lawrence's leadership, the UI Division of Plastic and Reconstructive Surgery has experienced an annual 27% growth in case volume since 2010 for cosmetic and reconstructive procedures.

Plastic & Reconstructive Surgery

Comprehensive care for breast patients

The Division of Plastic and Reconstructive Surgery has become a prominent contributor to the Breast Health program at the University of Iowa. Plastic surgeons routinely work alongside surgical oncologists to reconstruct the breast following the removal of a breast tumor or performing a preventative mastectomy.

There are various types of mastectomies available to breast cancer patients; conventional, skin sparing, and nipple-sparing mastectomy. Nipple-sparing mastectomy is a new procedure that can be done for patients who are at high risk of breast cancer and decide to complete a mastectomy before a tumor is found, or for patients who have small tumors within two centimeters of the nipple. It preserves the patient's natural skin, including the nipple and areola, allowing the patient to retain their natural breast features instead of having those features added later through further plastic surgery. Surgical oncologists assess the best treatment option for each individual patient. During the procedure, the surgical oncologist begins by removing the inner breast tissue and tumor. Once the tissue is removed, plastic and reconstructive surgeons reconstruct the breast using either a flap of the patient's tissue from a different area of the body, or a breast implant. In some cases, a free flap can be placed under the remaining skin envelope and monitored with an external doppler device. This allows the patient's own breast tissue to be completely closed over the flap and provides a natural look to the breast. The new shaped silicone implants also provide a natural look to breast as they provide contour for the upper and lower portions of the breast.

At the University of Iowa, the full spectrum of breast reconstruction modalities are offered - implant and autologous reconstruction.

- IMPLANT RECONSTRUCTION
 - o Single-stage reconstruction saline implants, round silicone gel implants, shaped silicone implants
 - o Two-staged expander/implant reconstruction
- AUTOLOGOUS RECONSTRUCTION
 - o Pedicle pedicle TRAM and pedicle latissimus flaps o Free flap reconstruction/advanced perforator-based
 - free flaps
 - Deep inferior epigastric perforator (DIEP) flap
 - · Superior gluteal artery perforator (SGAP) flap
 - Thoracodorsal artery perforator (TDAP) flap • Transverse upper gracilis (TUG) flap

Plastic and Reconstructive Surgery Care Team



W. Thomas Lawrence, MD



Wei Chen, MD



Jerrod Keith, MD Clinical Assistant Professor



Rebecca Rosenberg, PA-C



Leah Dewanz, PA



Nurse Specialist



Katherine Upchurch Support Services Specialist

CONTACT US
Plastic and Reconstructive Surgery Clinic
University of Iowa Hospitals and Clinics
1st floor, John Colloton Pavilion Between Elevators F and H

Clinic Phone: (319) 356-7941 UI Health Access: (319) 384-8442 Clinic Fax: (319) 353-6511 Web: www.myuilook.com

ANNUAL SUMMARY 2013

DIVISION HIGHLIGHT

Chen at the national forefront for innovative lymphedema procedures



Wei Chen, MD, Assistant Professor of Plastic and Reconstructive Surgery, is at the national forefront for microsurgical lymph node transplant and supermicrosurgical lymphaticovenular anastomosis (LVA) as an innovative treatment for lymphedema. Generally considered incurable, lymphedema occurs when the lymph system no longer effectively removes fluid and proteins that circulate under the skin. Fluid builds up and the limb swells, eventually becoming hard, heavy, and inflexible. Lymphedema is a common side-effect of cancer surgery. In fact, close to half of breast cancer survivors suffer from variable degrees of lymphedema. The disease also frequently affects survivors of uterine cancer, melanoma, sarcoma, genitourinary, and head and neck cancers.

Dr. Chen accomplished a regional "first" when he performed a delicate microsurgical lymph node transfer on breast cancer patient Susan Thalken, who developed lymphedema that localized in her left arm following a double mastectomy. Thalken had an advanced, terminal stage of lymphedema. Her symptoms were worsening, despite ongoing, rigorous conventional treatments, when Chen mentioned to her the new microsurgical option. Thalken is the first patient in lowa, and in the Midwest, to undergo the procedure. Using sophisticated, state-of-the-art microsurgical techniques, Chen transplanted multiple lymph nodes from Thalken's groin into her wrist, while preserving their delicate blood supply. Lymphatic fluid is now being channeled directly from the wrist into her bloodstream. Over time, this greatly reduced the swelling in her arm. Today, with her cancer gone and lymphedema improved, Thalken is enjoying life with her husband Richard.

In another "first" in the region, Dr. Chen has begun treating lymphedema with lymphaticovenular anastomosis (LVA). This is an advanced surgical modality which was first publicized in 2000 by Professor Koshima of University of Tokyo, Japan. The procedure is known to be minimally invasive, and has proven to be effective in patients with early stages of lymphedema. Few microsurgical reconstructive surgeons are trained to perform supermicrosurgical LVA, whereby the surgeon—under high powered microscopes

with nearly 20x to 50x magnification—connects 0.3 to 0.5 mm lymphatic channels to nearby veins, allowing lymphatic fluid to flow into the bloodstream. The sutures used in these procedures are close to invisible to the naked eye. Dr. Chen is among a small handful of surgeons in the nation, and the only surgeon in the region, capable of performing this surgery. By using a novel training simulation model he developed on chicken thighs, Chen hopes to expand the number of surgeons capable of performing supermicrosurgical LVA in an effort to treat the vast numbers of patients suffering from lymphedema. Dr. Chen will present this novel training model at the next annual meeting of the American Society of Reconstructive Microsurgeons.



Wei Chen, MD uses an ultra high-performance Zeiss® microscope to perform innovative super microsurgical procedures.

Plastic & Reconstructive Surgery

Keith reinvigorates UI Replant Program

Jerrod Keith, MD, Clinical Assistant Professor of Plastic and Reconstructive Surgery, set a new milestone in clinical care this year with the successful replant of a severed limb at the forearm – a surgery that could not otherwise be performed elsewhere in the State of Iowa. Other members of the surgical team included former plastic surgery colleague Brad Coots, MD and UI Orthopedic surgeon Todd McKinley, MD.

Roger Batchelder, a healthy and active 74-year-old retired fire fighter, came to the University of Iowa Hospitals and Clinics when a tree-cutting accident resulted in the complete removal of his right hand and wrist. The surgical team assembled within minutes, and



thanks to the quick action and teamwork of paramedics on the scene, the air ambulance crew, plastic and orthopedic surgeons, and a full complement of emergency department and surgical personnel, Mr. Batchelder's hand was saved and reattached at the forearm.

"You typically have a five- to six-hour window from time of trauma to surgery to have a successful reattachment of the forearm," Keith says. "The sooner the amputation is placed on ice, the better the chances." Response time to reattach an amputation involving the forearm is notably shorter than that of amputated fingers or even hands, and is considerably more complicated. Along with being a long surgery, there was no guarantee the hand would regain any function due to the high nerve and muscle injuries. In addition, these operations are associated with a large blood loss and need for transfusions, which can make them potentially life-threatening. While Mr. Batchelder was still in the emergency department, Drs. Keith and Coots took the hand to the operating room to begin preparing it for surgery, which included identifying all of the nerves, tendons, and tissues. Mr. Batchelder's first surgery was immediate and lasted a little more than eight hours.

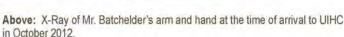
Despite the severity of the trauma, surgeons were able to identify and repair all the key anatomic structures in Mr. Batchelder's forearm. They were able to reperfuse his hand within a few hours, followed by nerve and tendon reattachment. The operation was successful and without complication. Mr. Batchelder required a few additional operations to close his open wounds and went on to heal successfully. While Dr. Keith was happy to successfully replant Mr. Batchelder's arm, the real work began with the long process of rehabilitation therapy. There is slow, but continued improvement in the functional movement of Mr. Batchelder's hand and he loves to show off his newfound finger and hand movements during his clinic visits











Left: Mr. Batchelder's hand and arm approximately 10 months after the trauma and initial surgery. Images show a healthy recovery to the tissue and bones. Continued rehabilitation therapy is slowly improving the functionality of the hand.



(R)

PORTABLE

Research Announcements

SUSAN L BADER FOUNDATION FUNDS CULLEN'S CANCER RESEARCH

The Susan L. Bader Foundation of Hope has given \$25,000 to fund continuing pancreatic cancer research led by **Joseph Cullen, MD.** This award was made in honor of national pancreatic cancer awareness month and in memory of Susan L. Bader in November 2012. The Susan L. Bader Foundation has been supporting this research effort since 2005, and has raised over \$240,000. The Foundation hosts a few fundraising events each year and hosted a successful fundraiser with the LPGA at a golf outing in Seville Golf Club in Gilbert, Arizona in September 2012.

Dr. Cullen is a Professor of Surgery and head of Susan L. Bader Pancreatic Cancer Research at the University of Iowa. Beginning research started with the use of cells and proceeded to successful outcomes using mice. After several years, Dr. Cullen and his team were approved to start their research in humans. Phase I of the human clinical trials has shown great promise in treating patients with advanced stages of pancreatic cancer. With Phase I of the human pancreatic cancer research trials at the University of Iowa completed. Dr. Cullen and his team are now preparing for Phase II. The SI B Foundation of Hope is solely to

completed, Dr. Cullen and his team are now preparing for Phase II. The SLB Foundation of Hope is solely responsible for funding the first phase of this research. Additional information about the Susan L. Bader Foundation and Dr. Cullen's research are available at: http://slbfoundationofhope.org/university-of-iowa-research

Additionally, Dr. Cullen's research on the effects of high doses of Vitamin C as a potential cancer therapy is funded by a U01 grant with the National Cancer Institute (NCI). The goal of the the grant is to determine if combining pharmacological ascorbate with radiation will make cancer cells more vulnerable to the treatment due to increased levels of hydrogen peroxide. His research has been highlighted nationally by by the NCI newsletter, CAM News. Details are available at: http://cam.cancer.gov/newsletter/2013-spring/feature_spring2013.html

SHILYANSKY RECEIVES RESEARCH FUNDS FROM UI DANCE MARATHON



Joel Shilyansky, MD recently received funds from the UI Dance Marathon student organization to support research in immunotherapy for children with advanced solid tumors such as neuroblastoma and sarcoma.

Immunotherapy is a highly promising novel therapeutic approach in which the patients own immune system is able to detect and destroy cancer cells without injuring the surrounding normal cells. However, the clinical results of immunotherapy are still unpredictable. A major hurdle for effective, generally applicable immunotherapy is tumor immune tolerance. Eliminating tumor immune tolerance is a critical step to designing effective and less morbid immune based treatments for pediatric cancer patients.

Dance Marathon funds will assist the Shilyansky Lab in generating preliminary data that will help determine if a larger-scale research project is warranted. Promising data would eventually lead to clinical trials in pediatric cancer patients and subsequent research grant applications. Dr. Shilyansky is acutely aware

the emotional and financial impact of pediatric cancer upon both patients and their families. This research goes to the heart of our mission to effectively treat and cure pediatric cancer patients.

The UI Dance Marathon is a student organization that was founded in 1994 whose mission is to create and sustain special projects to provide emotional and financial support for pediatric oncology and bone marrow transplant patients and their families treated at University of Iowa Children's Hospital. According to the organization, \$1.5 million has been raised in 2013 alone. The year-long fundraising effort culminates in a 24-hour "Big Event" where around 1500 participants dance without stopping to sit, sleep, or drink caffeine. This is all to show support to kids battling pediatric cancer and the UI Children's Hospital.

CROMWELL RECIPIENT OF INVENTOR AWARD

John Cromwell, MD was among those recognized at the inaugural Hawkeye Innovation Summit held by the UI Research Foundation for intellectual property developed in his lab: Systems and Methods for Predicting Gastrointestinal Impairment. The summit is a celebration of innovation and entrepreneurship at the University of Iowa Campus, and according to the John Pappajohn Entrepreneurial Center at the UI College of Business, "The program recognized the UI community's passion for entrepreneurship and brought together an influential and creative community of peers for a half-day celebration highlighting best practices for university technology transfer and a Ventures@UI Showcase, where attendees learned about resources available to them and heard directly from UI faculty, staff, and student startup founders about how they did it."



Meet our new UI Foundation Representative

Greetings from the University of Iowa Foundation! In my new role as director of development for the Department of Surgery, I look forward to working with committed donors to ensure Dr. Weigel and his staff have the financial resources necessary to develop and meet their goals. My role is something of a matchmaker—I help the department's alumni and friends align their philanthropic passions and interests with the department's needs. The result is a stronger department, better able to improve lives, make vital discoveries, and train first-rate surgeons.

Although new to the Foundation, I am quite familiar with the University and Iowa City. A native Iowan, I received my B.A. at the University of Iowa and my M.S. at the University of Kansas. Prior to joining the Iowa Foundation, I worked at Coe College in Cedar Rapids, and Pennington & Company in Kansas City, MO.

Private support has always been important, but it is nothing short of critical in today's funding environment. Hundreds of donors express their loyalty to the Department of Surgery through an annual gift. We appreci-

ate those who have done so, and welcome new givers to begin! Other donors make larger contributions establishing an endowed fund through an outright gift or estate planning. These are the gifts that make new chairs, professorships, scholarship and research funds available. The Foundation has several endowment opportunities available that you can arrange now, with cash and securities, or later through a will or trust. Estate gifts allow us to look ahead and plan with confidence, providing financial light for future generations.

As the department's representative for the UI Foundation, I would love to hear your lowa story and be a resource to you as you shape your philanthropic legacy. I encourage you to support the Department of Surgery by giving online at https://www.givetoiowa.org/. If you have any questions, regarding giving opportunities or Department's needs, feel free to contact me by sending an email to anne-m-barber@uiowa.edu or calling (319) 467-3756. Thank you again for your interests in, and support of, the Department of Surgery.

Anne Barber

Associate Director of Development Carver College of Medicine/University of Iowa Hospitals and Clinics The University of Iowa Foundation

Philanthropy at Work

THE RONALD BIELEMA AWARD FOR CLINICAL EXCELLENCE

The Department of Surgery is extremely grateful for the funding of the *Ronald Bielema Award for Clinical Excellence* in recognition of clinical excellence among our surgery residents. The award was made possible by the generosity of **Mark Osborne**, **MD** and was established in honor of his family member, Ronald Bielema, to show appreciation for the care UI Surgery has provided to Mr. Bielema and his family.

Dr. W. John Sharp, Director of the Surgical Residency Program, was pleased to announce the first Ronald Bielema Award for Clinical Excellence was given to **Kristine Orion, MD**, 5th Year Resident 2012-2013. Dr. Orion joined the Surgery Residency Program at the University of Iowa Hospitals and Clinics in 2008. She earned her B.S. degree with distinction from the University of Hawaii in 2001, with a major in Biology. In the same year, she also completed a Language Certificate in Spanish with honors. Her undergraduate training was accomplished in three years, and she was on the Dean's list and received an Academic Tuition Waiver for all three years. After graduation, Dr. Orion worked as a Biochemist with Becton Dickenson in San Diego until she entered medical school. Dr. Orion received her MD from the University of Miami in 2008.

Dr. Orion was very productive academically during her career as a surgical resident. She presented a poster at the 39th Annual Symposium on Vascular Surgery in 2011, and has presented at two other national meetings. She was awarded first place for the Basic Science Resident Competition at the Department of Surgery Post-Graduate Conference in 2008, and was overall winner for Resident Research Day 2010. Dr. Orion has published papers in the Journal of Trauma, Journal of Vascular Surgery, and Surgery. She also has written a book review as well as a book chapter.

Dr. Orion served as the Administrative Chief Resident for the University of Iowa Department of Surgery over the course of her 5th year of residency training. During that time, she was also awarded the M3 Resident Teacher of the Year Award and The Humanism and Excellence in Teaching Award as featured elsewhere in this newsletter. She is continuing her training in Vascular Surgery at Johns Hopkins.

WELCOME NEW FACULTY

LUIS GARCIA. MD



Clinical Assistant Professor Division of Acute Care Surgery

Medical School:

Pennsylvania State University College of Medicine

Residency:

Penn State Hershey Medical Center

Fellowship:

- Acute Care Surgery, Johns Hopkins
- Surgical Critical Care Fellowship, Johns Hopkins Hospital

INGRID LIZARRAGA. MBBS



Clinical Assistant Professor Division of Surgical Oncology and Endocrine Surgery

Medical School:

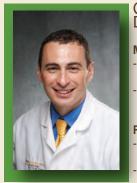
University of the West Indies; Kingston, Jamaica

Residency:

University of Iowa Carver College of

Multidisciplinary Breast Surgical Oncology, University of Iowa Carver College of

LUIGI PASCARELLA. MD



Clinical Assistant Professor Division of Vascular Surgery

Medical School:

- School of Medicine and Surgery, Second University of Naples, Naples, Italy Diploma of Proficiency in Vascular Echography, University of Bologna, Italy

Residency:

Vascular Surgery, School of Medicine and Surgery, University of Parma, Italy General Surgery, Duke University Hospital

Fellowship:

Vascular Surgery, Duke University Hospital

VINCENT REID. MD



Clinical Assistant Professor UI General Surgery Clinic Mercy Medical Center

Medical School:

University of Cincinnati College of Medicine

Maimonides Medical Center, Brooklyn, NY

- Head and Neck Oncology, The Memorial Sloan Kettering Cancer Center
- Postdoctoral Research, Albert Einstein College of Medicine

THOMAS GRANCHI, MD



Clinical Professor Director, Burn Treatment Center Division of Acute Care Surgery

Medical School:

Ohio State University College of Medicine

Residency:

Baylor College of Medicine

Burns/Surgical Critical Care, University of Texas Medical Branch

SAMY MAKLAD, MD



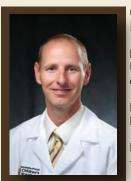
Clinical Assistant Professor Division of Acute Care Surgery

Medical School:

University of Iowa Carver College of Medicine

University of Iowa Carver College of Medicine

D. DEAN POTTER, MD



Clinical Associate Professor Division of Pediatric Surgery

Medical School:

University of Iowa Carver College of Medicine

Residency:

Mayo School of Graduate Medical Education

- Cardiovascular Surgery Research, Mayo School of Graduate Medical Education Pediatric Surgery, Children's Hospital
- Denver, University of Colorado

NORA ROYER, MD



Clinical Assistant Professor UI General Surgery Clinic Mercy Medical Center

Medical School:

Northwestern University Feinberg School of Medicine

University of Iowa Carver College of Medicine

PRASHANT KHULLAR, MBBS



Clinical Assistant Professor Division of Acute Care Surgery

Medical School:

Maulana Azad Medical College, New Delhi,

Residency:

University of Iowa Carver College of Medicine

Fellowship:

Transplant and Hepatobiliary Surgery, University of Iowa Carver College of Medicine

PETER NAU. MD



Clinical Assistant Professor Division of Gastrointestinal, Minimally-Invasive, and Bariatric Surgery

Medical School:

University of Iowa Carver College of Medicine

Residency:

Ohio State University Medical Center

Minimally Invasive and Bariatric Surgery, Massachusetts General Hospital

NEELIMA KATRAGUNTA. MBBS



Clinical Assistant Professor Division of Vascular Surgery

Medical School:

Armed Forces Medical College, Pune, India

Residency:

Western Pennsylvania Hospital

Fellowship:

Vascular Surgery, University of Tennessee

SUEMOY WALLACE, MD



Clinical Assistant Professor UI General Surgery Clinic Mercy Medical Center

Medical School:

St. George's University School of Medicine

St. John Medical Center, Detroit, MI

- Surgical Critical Care, University of Connecticut, New Hartford Hospital
- Acute Care Surgery, Wake Forest University

Best Wishes to 2013 Residency Graduates



Kristine Orion, MD - Vascular Fellowship at Johns Hopkins Prashant Khullar, MD – UI Department of Surgery, Acute Care Surgery Faculty
Samy Maklad, MD – UI Department of Surgery, Acute Care Surgery Faculty
W. John Sharp, MD - Vice Chair of Education, UI Department of Surgery
Julie Cupp, MD – Breast Surgery Fellowship at MD Anderson
Andrew Philip, MD – Private Practice in Silvis, IL Kevin Bridge, MD - Plastic Surgery Fellowship at Emory

Welcome New Trainees

Sarah Burger, MD, Medical College of Wisconsin John Heineman, MD, Oregon Health & Science University Ben Johnson, MD, University of Iowa College of Medicine Kris Kashyap, MD, University of Texas Southwestern Kendall Keck, MD, University of Iowa College of Medicine Vincent Wu, MD, University of Iowa College of Medicine

PRELIMINARY INTERNS Iryna Chesnokova, MD, University of Iowa College of Medicine Mark Le, MD, University of Iowa College of Medicine

PGY-2

Melissa Garrett, MD. Texas Tech University Angela Stork, MD, University of Iowa College of Medicine

FELLOWS

Brian Adams, MD, Vascular Fellow Arriving from: University of New Mexico Surgery Residency

Sarah Colwick, MD, Breast Fellow Arriving from: Hospital of Saint Raphael; Yale New Haven Surgery Residency

Matthew Wideroff, MD, Surgical Critical Care Fellow Arriving from: University of Iowa Surgery Residency

Claine Judy, DO, Surgical Critical Care Fellow Arriving from: Mercy Medical Center Des Moines Surgery Residency

Oleg Slivca, MBBS, Transplant Fellow Arriving from: State Medical and Pharmaceutical University Nicolae Testemitanu Surgery Residency

Shireesh Saurabh, MD, Bariatric Fellow Arriving from: Drexel University College of Medicine Surgery Residency

Ahmad Zaghal, MD, Pediatric Surgery Fellow Arriving from: American University of Beirut Medical Center Surgery Residency



Dr. Carol Scott-Conner Lectureship

Jeffrey Drebin, MD, PhD, FACS was named the 2013 Dr. Carol Scott-Conner Visiting Professor. Dr. Drebin served as a judge for resident research day and presented "Targeted Therapy of Cancer: a Paradigm for Translational Research" at Surgery Grand Rounds.

Dr. Drebin currently serves as Chairman of the Department of Surgery at Penn Medicine, and is the John Rhea Barton Professor of Surgery at the Perelman School of Medicine. In his roles at the University of Pennsylvania, Dr. Drebin oversees a diverse range of programs and services spanning ten divisions within the Department of Surgery, including advanced patient care, basic and clinical research, as well as the surgical education program.

Resident Research Day

CONGRATULATIONS TO OUR RESIDENT RESEARCH DAY WINNERS!

BASIC SCIENCE-

1st Place- Philip Spanheimer, MD Surgical Research Fellow The RET Proto-Oncogene is a Novel Therapeutic Target in Breast Cancer

2nd Place- **Jennifer Hrabe, MD** Surgical Research Fellow TAK-1 Inhibition Decreases Kras-Mutated Colon Cancer Cell Survival by Thiol-Dependent Oxidative Stress

3rd Place-Scott Sherman, MD Surgical Research Fellow Gastric Inhibitory Polypeptide Receptor (GIPR): A Future Alternative to Somatostatin Type 2 Receptor Imaging and Treatment in Neuroendocrine Tumors?

CLINICAL-

1st place- Scott Sherman, MD Surgical Research Fellow Improving Proctectomy Morbidity Risk-Adjustment Using ACS-NSQIP Data

2nd place- Akpene Gbegnon, MD Surgical Research Fellow Unplanned Readmissions in Colorectal Surgery are Identifiable Prior to Discharge Using Predictive Analytics

3rd place- Jennifer Carr, MD General Surgery Resident Discriminating Pheochromocytomas from Other Adrenal Lesions: The Dilemma of **Elevated Catecholamines**

BEST MINI PRESENTATION- BASIC SCIENCE Jennifer Carr, MD General Surgery Resident Overexpression of Membrane Proteins in Primary and Metastatic Gastrointestinal Neuroendocrine Tumors

BEST MINI PRESENTATION- CLINICAL Anuradha Bhama, MD General Surgery Resident Factors Associated with Conversion from Laparoscopic to Open Colectomy

BEST POSTER Naina Bagrodia, MD General Surgery Resident Morbidity and Mortality Associated with Elective Splenectomy: Not a Minor Procedure

EXCELLENCE IN EDCUATION

Sharp Recognized for Excellence in Teaching



W. John Sharp, MD was selected by the Carver College of Medicine, Office of Consultation and Research in Medical Education, to receive the Collegiate Teaching Award for 2012-2013.

Dr. Sharp was appointed the Vice Chair of Education in the Department of Surgery in 2011 following a cumulative 15 years as Director of the General Surgery Residency Training program.

Dr. Sharp was recognized for his significant and meritorious achievements in teaching, his strong commitment to developing future physicians, scientists, and leaders in the field of surgery, and for implementing a teaching philosophy which encourages students to search out and discover ways of accessing pertinent materials, a critical aspect of teaching medicine today.

Chen Appointed to Role in Surgical Skills Lab



Wei Chen, MD was recently appoined to the role of Associate Director for the Center for Procedural Skills and Simulation. Dr. Chen joined the Department of Surgery in January 2012 and is an Assistant Professor in the Division of Plastic and Reconstructive Surgery. He works alongside the Center Director, Dr. Thomas Collins, Clinical Associate Professor in the Division of Transplantation and Hepatobiliary Surgery.

Arnold P. Gold Foundation Recognizes Surgeons

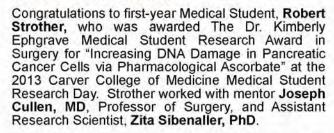


Recipients of two awards presented by the Arnold P. Gold Foundation were recognized in spring 2013. Nominations for these awards are submitted by the M3 class at the UI Carver College of Medicine.

The Leonard Tow Humanism in Medicine Award was presented to Timothy A. Thomsen, MD for demonstrating outstanding compassion in the delivery of care, respect for patients, their families, and his health care colleagues, as well as clinical excellence.

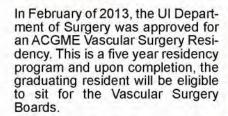
The Humanism and Excellence in Teaching Awards are given to residents who demonstrate a commitment to upholding the highest standards of teaching and compassionate treatment of patients, families, students, and colleagues. Recipients of the 2013 awards included Surgery Residents Kristine Orion, MD (chief resident 2012-2013) and Christine Waller, MD (chief resident 2013-2014).

Ephgrave Medical Student Research Award



This research award was aptly named in honor of Dr. Kimberly Ephgrave, who was an incredible student advocate during her career in the UI Department of Surgery. Prior to her death in 2012, Dr. Ephgrave served as the Department of Surgery Junior Surgery Clerkship Director for a total of 17 years, was the Associate Dean for Student Affairs and Curriculum in the Carver College of Medicine for four years, and received numerous Teacher of the Year awards over the course of her career.

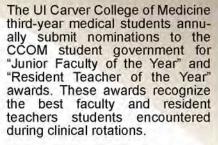
Vascular Surgery Residency Established



This year, the UI Department of Surgery welcomes its first Vascular Surgery Resident, Ryan Deets, MD. Dr. Deets graduated from the University of Iowa Carver College of Medicine in 2012 and was a General Surgery Resident in the UI Department of Surgery for one year before entering the Vascular Surgery Residency.



Pelaez and Orion Recognized by UI M3 Class

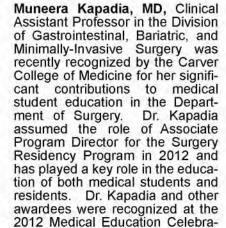


The 2013 recipients included Carlos Pelaez, MD, Clinical Assistant Professor and Medical Student Director in the Department of Surgery, and Kristine Orion, MD, Chief Surgery Resident 2012-2013. Award winners are announced at the annual Frolics where students roast faculty through skits they have created.





Kapadia Recognized for Contributions to Education





tion Day.

SUGG SERVES AS AAES COUNCIL MEMBER

Sonia Sugg, MD, is currently representing UI endocrine surgery on a national level by serving as a council member in the American Association of Endocrine Surgeons (AAES). She has previously served on, and chaired, the program committee for the AAES



She also served as one of the local program hosts for the 2012 annual meeting, which was held at the University of Iowa. According to its website "The American Association of Endocrine Surgeons (AAES) is dedicated to the advancement of the science and art of endocrine surgery. Members have clinical expertise in and research interests that focus on endocrine surgical diseases. The AAES is committed to providing surgical expertise in diseases of the thyroid, parathyroid, adrenal glands as well as in neuroendocrine tumors of the pancreas and GI tract. The goal is to discover and promote the best treatments for endocrine disease to help improve our patients' lives."

GI SURGERY RECOGNIZED AS HIGH PERFORMER

U.S. News & World Report has recognized GI Surgery at UI Hospitals and Clinics as a high performer within Eastern Iowa. The recognition is part of the publication's annual ranking of "The Best Hospitals in America," which was released in mid-July



CHEN APPOINTED SECRETARY OF MAPS



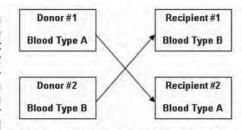
Wei Chen, MD has been appointed Secretary of The Midwestern Society of Plastic Surgeons (MAPS) for 2012 -2013. Founded in 1961, MAPS involves plastic surgeons and plastic surgery programs in the States of Kansas, Indiana, lowa, Minnesota, Illinois, Missouri, Nebraska, and Wisconsin. Their mission is "to

promote research and support education in the field of plastic surgery. This mission is accomplished though our annual meeting which provides a vehicle for scientific interchange and networking attended by plastic surgeons, nurses, researchers and guests who are involved in plastic surgery."

NEW OPTIONS FOR KIDNEY RECIPIENTS

Kidney Paired Donation

In kidney paired donation (KPD) programs, multiple incompatible donor/recipient pairs are pooled to identify other potential similar incompatible pairs that they can kidneys exchange with (compatible matches). KPD transplants, recipients will exchange ("swap") donors to achieve compatible matches and allow transplantation to proceed.



The University of Iowa participates in three different KPD programs (UNOS National KPD, the North Central Donor Exchange Cooperative, and a center-to-center exchange program with Johns Hopkins Hospital), each with different matching schemes, to increase the opportunity for our recipients to obtain a compatible paired match.

ABO Incompatible Living Donor Kidney Transplantation

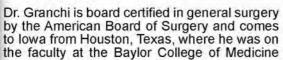
Approximately 1 in 3 donor and recipient pairs will have blood types that are not compatible for transplant. Some donor/recipient pairs with incompatible ABO blood types may still be eligible to undergo transplantation after the recipient receives extra treatments before and after the surgery to prevent rejection of the transplanted kidney. These extra treatments are called desensitization, and the University of Iowa is the only program in the State offering this option.

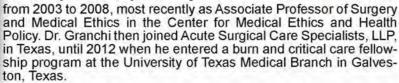
ABO incompatible kidney transplants have outcomes that are nearly identical to blood type compatible transplants. ABO incompatible protocols allow recipients to receive a living donor kidney, as opposed to having to wait on the deceased donor wait list. We have achieved 100% graft function for recipients who have participated in our ABO incompatible program to date.

For more information about the Transplant Center, contact our providers at (319) 353-7704 or visit www.uihealthcare.org/transplantcenter.

GRANCHI NAMED BURN TREATMENT CENTER DIRECTOR

We are pleased to announce the appointment of Thomas Granchi, MD, MBA, as the new director of the Burn Treatment Center, effective July 2013. In addition to leading the Burn Treatment Center, Dr. Granchi is a clinical professor in the Division of Acute Care Surgery in the Department of Surgery.





He received his medical degree from Ohio State University College of Medicine in Columbus, Ohio, and an Executive MBA from Rice University in Houston. He completed a general surgery residency and a Master Teaching Fellowship Program at Baylor.

FOUR SURGERY NURSES HONORED AMONG '100 GREAT IOWA NURSES'

Congratulations to Kristel Wetjen and Joshua Petersen in Pediatric Surgery and to Trisha Godard-Shepherd and Jeanette Wigim in Transplantation and Hepatobiliary Surgery. These four outstanding nurses were recognized for their hard work and dedication to patient care during National Nurses Week, and were honored on the list of "100 Great Iowa Nurses" for 2013.

The Iowa Nurses Association, Iowa Nurses Foundation, Iowa Hospital Association, and University of Iowa College of Nursing have partnered to create this event that celebrates nursing by honoring 100 nurses from around the state each year. Colleagues, patients, doctors, friends, and family members submit nominations.

UI Hospitals and Clinics was the first hospital in Iowa to receive the prestigious Magnet Hospital Designation from the American Nurses Credentialing Center in 2004. We were then re-designated in 2008, and now again in 2013. This re-designation positions our nursing department among the most elite in the nation.



THOMSEN BOARD CERTIFIED IN HOSPICE AND PALLIATIVE MEDICINE



Timothy A. Thomsen, MD, recently became the first surgeon at the University of Iowa and the 31st surgeon nationally to obtain board certification in hospice and palliative medicine through the American Board of Surgery (ABS). The ABS, along with several other American Board of Medical Specialties member boards. has offered this subspecialty certificate since 2008.

Dr. Thomsen is working to advance palliative care in a number of surgical specialties, including surgical oncology, trauma, gastrointestinal, cardiothoracic, vascular, and neurosurgery. Locally, he is developing a Palliative Care Seminar series to discuss topics such as professionalism, ethical issues, and grief with medical professionals at UIHC.

Nationally, Dr. Thomsen serves on the Palliative Care Task Force committee for the American College of Surgeons. According to the ACS, the task force brings together surgeons with demonstrated interest in palliative care to share resources, strategies and expertise, and in so doing, act as a catalyst for change. The Surgical Palliative Care Task Force gathers data and develops tools that will help surgeons become more effective in the art and science of palliation of all illness.

For more information about the Palliative Care Seminar series, contact Dr. Thomsen at timothy-thomsen@uiowa.edu.

BYRN APPOINTED CHIEF OF COLORECTAL SURGERY



John C. Byrn, MD was appointed Section Chief of Colorectal Surgery (CRS), in March 2013. Since his arrival to the Department of Surgery in 2009, Dr. Byrn has made numerous noteworthy contributions to the colorectal surgery program. As a specialist in minimally invasive surgery, he has been an institutional pioneer

in procedures such as robotically-assisted single incision laparoscopic surgery, including singleincision colectomy. Congratulations to Dr. Byrn for his many accomplishments. We look forward to the further development of the CRS service under his direction.

WEIGEL ASSUMES NEW NATIONAL ROLES FOR 2013-2014

Ronald Weigel, MD, PhD is currently serving as President-Elect for the Society of Surgical Oncology. The SSO seeks to improve patient care by advancing the science and practice of surgical oncology worldwide. The Society focuses on all solid-tumor disease sites which is reflected in its Annual Cancer Symposium, monthly scientific journal (Annals of Surgical Oncology), educational initiatives, and committee structure.

Dr. Weigel is also serving as Vice President of the American Surgical Association, which is the oldest surgical association in the United States. As the premier organization for surgical science and scholarship, the ASA's mission is to provide a national forum for presenting the developing state of the art and science of general and sub-specialty surgery, thus elevating the standards of the medical and surgical profession.

GI SURGERY OFFERS "FIRST AND ONLY" TREATMENT

GI Surgery is the first and only practice in the state to offer sacral nerve stimulator (SNS) therapy for the treatment of fecal incontinence. SNS is radically changing the treatment for fecal incontinence because it has higher success rates and higher durability than other traditional treatments. For long term treatment, a flexible wire and neurostimulator are placed under the skin during a minimally-invasive outpatient procedure. The neurostimulator targets communication between the brain and sacral nerves to help control the muscles related to bowel function. This technology has been successfully used to treat urinary problems for more than a decade and was recently approved by FDA for treating fecal incontinence. The GI Surgery group has now treated more than 20 patients with outstanding results.

ANNUAL SUMMARY 2013

GENERAL SURGERY CLINIC GRAND OPENING

In May 2013, the UI Department of Surgery and Mercy Medical Center (MMC) in Cedar Rapids celebrated the grand opening of the newly developed General Surgery Clinic with a ribbon cutting and open house.

The clinic is located on the corner of 8th Avenue and 8th Street SE in Cedar Rapids, Iowa adjacent to Mercy Medical Center. The General Surgery Clinic provides general, acute care and trauma surgical services, which include:

- Breast biopsy/surgery
- Gallbladder surgery
- Hernia surgery (open and minimally invasive)
- Colon and rectal surgery (open and minimally invasive)
- General laparoscopic surgery
- Vascular access surgery
- Hemorrhoid surgery
- · Surgery of the skin and soft tissues
- Varicose vein surgery
- Appendectomy

The collaborative initiative between UI Health Care and Mercy Medical Center began in early 2012 in an effort to meet the health care needs of the Cedar Rapids community by providing access to high-quality services available at UI Health Care. The UI surgery faculty located at MMC includes Drs. Nora Royer, Suemoy Wallace, and Vincent Reid. It is anticipated an additional two surgeons will join the practice with the coming year. Dr. Vincent Reid, an oncologic surgeon, also serves as the Medical Director of the Hall Perrine Cancer Center at Mercy Medical Center. G. Patrick Kealey, MD, Professor of Surgery at the University of Iowa Hospitals and Clinics, currently serves as interim Trauma Medical Director.

Location:

8th & 8th Medical Office Building Mercy Campus Level 3 / Suite 300 788 8th Ave. SE Cedar Rapids, IA 52401

Phone Number:

For questions or scheduling, call: (319) 398-6747



TUNIVERSITY OF TOWA HEALTH CARE



The General Surgery Clinic is housed in the 8th & 8th Medical Office Building in Southeast Cedar Rapids



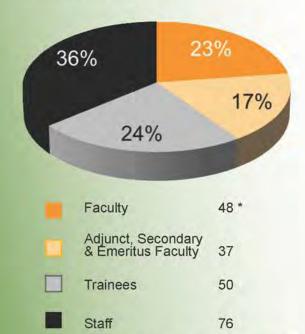
General Surgeons Suemoy Wallace, MD (left) and Nora Royer, MD (right)



Oncologic Surgeon and Director of the Hall Perrine Cancer Center at Mercy Medical Center, Vincent Reid, MD

Department of Surgery Zuick Facts

DEMOGRAPHICS



^{*} Increase of 19 Faculty Surgeons since 2005

OR UTILIZATION

July 2012 - June 2013

- 5,402 operative cases
- 17,082 operative hours
- More than 1,300 operative cases than the next leading surgical department

PATIENT SATISFACTION

Press Ganey Patient Satisfaction Survey for Surgery Specialties Clinic, June 2012 - July 2013 *Largest Clinic staffed by Department of Surgery faculty

- 95% Likelihood of recommending the practice
- 92% Satisfaction with the care providers

CLINIC LOCATIONS

Surgery Specialties Clinic

1st Floor JCP, Between Elevators H & F Scheduling: (319) 356-2902

> Acute Care Surgery General Surgery Transplant Surgery Vascular Surgery

Plastic & Reconstructive Surgery

1st Floor JCP, Between Elevators H & F Scheduling: (319) 356-7941

Holden Comprehensive Cancer Center

1st Floor PFP, Elevator M Scheduling: (319) 356-4200 Surgical Oncology Endocrine Surgery Breast Surgery

Digestive Diseases Center

4th Floor JCP, Between Elevators H & F Scheduling: (319) 356-4061 Bariatric Surgery Colorectal Surgery Gastrointestinal Surgery

Pediatric Specialty Clinic

2nd Floor JCP, Between Elevators H & F Scheduling: (319) 356-2229

Burn Treatment Center

8th Floor JCP, Between Elevators H & F Scheduling: (319) 356-2496

Iowa River Landing

109 East 9th Street
Coralville, Iowa
Scheduling: (319) 467-2000
Colorectal Surgery
Vascular Surgery
Breast Surgery

Mercy Medical Center, Cedar Rapids

8th Avenue and 8th Street SE
Cedar Rapids, Iowa
Scheduling: (319) 398-6747
General Surgery
Breast Surgery
Surgical Oncology

Department of Surgery

University of Iowa Health Care 200 Hawkins Drive 1500 JCP Iowa City, Iowa 52242



WWW.MEDICINE.UIOWA.EDU/SURGERY

VISIT OUR WEBSITE!

UISURGERYNEWS ANNUAL SUMMARY 2013



Contact Us:

E-mail: surgerynews@healthcare.uiowa.edu Phone: (319) 356-2649