The Surgical Scope

“Safer Surgery Today, Better Surgery Tomorrow”

Issue 7  www.surgery.northwestern.edu  September 2012

Message From the Chair: Nathaniel J. Soper, MD

It’s time once again to update our friends and supporters on the many happenings in the Department of Surgery of Northwestern Medicine. I hope that you take time to read the complete narrative on the following pages, but wish to impart a brief synopsis of the highlights of the past year. There’s much going on here at the Streeterville campus and beyond. The Department continues to grow and thrive, with new programs, increased operative volumes, state-of-the-art educational programs, and transformational research, as we strive to fulfill our tripartite academic mission.

As noted in the Spotlight article, the Division of Breast Surgery was created as an entity distinct from surgical oncology, with Nora Hansen named as Division Chief. Nora has been with us for the past seven years and has been instrumental in the growth of the clinical and research programs within the Breast Center. I am confident that the division will flourish under her capable leadership.

Four faculty members were awarded academic promotions in the past year. Jonathan Fryer, from the Division of Organ Transplantation and the General Surgery Residency Program Director, was promoted to Professor of Surgery. Eric Hungness, a member of the GI/Oncology Surgery Division, was promoted to Associate Professor of Surgery. Dr. Hungness was also honored with an endowed chair, the S. David Stulberg, M.D. Research Professorship, to support his cutting-edge research in natural orifice surgery and teaching activities in the N-CASE simulation laboratory. Alberto de Hoyos, from the Division of Thoracic Surgery, was promoted to Associate Professor of Surgery. Heron Rodriguez, a member of the Vascular Surgery Division, was promoted to Associate Professor of Surgery. Several of our faculty ascended to leadership positions in American surgery this past year. Melina Kibbe is President of the Association for Academic Surgery and was named Recorder of the Association of VA Surgeons. David Mahvi was named Vice-Chair of the American Board of Surgery’s Board of Directors. I was honored to be named President-Elect of the Central Surgical Association and serve as Recorder for the Society of Surgery of the Alimentary Tract.

Several new faculty have joined our department recently. Arun Gosain was recruited to be the Division Head of Plastic Surgery at Lurie Children’s Hospital. Mohammed Alghoul is a fellowship-trained microvascular surgeon who joined the Division of Plastic Surgery. Andrew Hoel recently completed his Vascular Surgery fellowship at Dartmouth and will be expanding the use of branched-graft vascular procedures at our institution. Victor Tsirline, trained in Minimally Invasive Surgery, has joined the Lake Forest Hospital Surgeons Group, and will be splitting his time between Lake Forest and Streeterville. Jeff Fronza also completed a Minimally Invasive Surgery fellowship, and joined the Northwestern Surgery Associates group, replacing...
Continued…Message From the Chair: Nathaniel J. Soper, MD

Jerry Ujiki, who recently retired after a long and eventful career. Dr. Ujiki was the centerpiece of a fund-raising effort to endow an annual lecture in surgical education in his name, and was recently granted emeritus status at the Feinberg School.

Our Vice-Chair of Education, Debra DaRosa Ph.D., is one of only a handful of Ph.D. educators leading education programs within departments of surgery nationwide. Under her leadership, we are beginning a new, and potentially transformative, effort to improve teaching and assessment of residents in the operating room. Jay Prystowsky, who had led our educational programs for several years, recently stepped down as Associate General Surgery Residency Program Director for Evaluation. Shari Meyerson, a thoracic surgeon, was recruited to assume this important function. Nabil Issa, from Trauma/Critical Care, successfully organized and ran the inaugural surgical boot camp for the new interns coming on board at Northwestern.

The Research Update describes the remarkable growth of the Department of Surgery’s research program over the past five years. Not only did we achieve the #14 ranking in NIH awards this year, but only two of the 13 higher ranked programs have a similar makeup of divisions—the other departments include additional specialties (e.g. Urology or ENT). Three faculty members, Karl Bilimoria, Steven Schwulst and Jason Wertheim, who have only been on faculty for a year, have already had great success in beginning their research endeavors, developing meaningful collaboration and securing extramural funding.

June, 2012, saw the opening of the new Lurie Children’s Hospital of Chicago on the Northwestern campus. This state-of-the-art facility and its staff will enhance collaboration between the physicians and researchers of our two institutions and should stimulate the development of new clinical and research programs. Ground was also broken recently on a new Northwestern Memorial Hospital (NMH) outpatient care pavilion, which will be located across Erie street from the Emergency Department and is set to open in 2015. Thus, the campus continues to expand on-site, an unusual opportunity in the middle of the city of Chicago. These buildings are the outward manifestation of new directions on campus.

More important is the continued evolution of the concept of Northwestern Medicine, the combination of all of the entities working to elevate the care of patients under the Northwestern umbrella. Along with Lake Forest Hospital as a full partner, multiple outpatient satellite locations are being developed to allow our excellent brand of care to be expanded to a larger population in Chicagoland. NMH was recently named to the honor role of hospitals by U.S. News and World Report, ranked #12 nationally. Dr. Eric Neilson was appointed Dean of the Feinberg School of Medicine and is accelerating the process of growth, collaboration and the pursuit of excellence for the Northwestern Medicine brand.

I hope that this communication has given the reader a snapshot of the multiple advances currently ongoing within the Department of Surgery and the greater Northwestern Medicine community. We are enthusiastic about where we currently stand, but are truly excited by our prospects for the future!

Sincerely yours,

Nathaniel J. Soper, MD
Loyal and Edith Davis Professor and Chair
Department of Surgery
Northwestern University Feinberg School of Medicine
Spotlight On: Nora Hansen, MD

Shaping a New Division

Dr. Nora Hansen has always had a clear vision for the Lynn Sage Comprehensive Breast Center; a vision with powerful momentum established when she was first recruited as Director in 2005. That vision flourished over the last seven years and has led to the newly established Division of Breast Surgery, which she now leads as Division Chief.

Dr. Soper led the Search Committee that was charged with identifying a candidate with strong, respected clinical skills; an empathic bedside manner; academic experience, and someone invested in clinical research. Additionally, the preferred candidate needed to demonstrate strong leadership skills, the ability to form a group, the ability to mentor junior faculty, and strong collaborative skills to allow an interdisciplinary approach - a perfect description of Nora Hansen.

Her strong leadership helped the Breast Center obtain certification from the American College of Surgery, National Association of Breast Program Certification (NAPBC). Dr. Hansen served on the board of the NAPBC for six years and her knowledge of the twenty-seven standards needed for certification were crucial to molding the Breast Center. She also works closely with the Lynn Sage Foundation which has supported the Breast Center from its inception. The Foundation funds two Breast Surgery fellows each year, invests in new pilot programs, and is striving to establish a program to coordinate care for patients who are at high risk of developing breast and/or ovarian cancer. With coordination of care in mind, Dr. Hansen aims to build an even more robust multidisciplinary team for patients with a diagnosis of breast cancer. This team would include medical oncology, radiation oncology, plastic/reconstructive and breast surgery. Ideally, the patient would complete all testing in the morning and would meet with the team to discuss an individualized care plan at the end of the day. Her focus is always “patients first” and she would like to see her new division differentiate itself with a more personal touch. Using these strategies, Dr. Hansen’s objective is for the Breast Center to capture a larger market share in the Chicago area.

Dr. Hansen completed her undergraduate work at the University of Chicago and matriculated to New York Medical College where she obtained her M.D. in 1988. She performed her residency at the University of Chicago where she was named Chief Administrative Resident in her final residency year. Subsequently, Dr. Hansen completed a surgical oncology fellowship at the University of Chicago and spent time at both the John Wayne Cancer Institute and Memorial Sloan Kettering Cancer Center during her fellowship. After her fellowship Dr. Hansen was recruited to Northwestern University Feinberg School of Medicine, however she moved to the West Coast after a year. Dr. Hansen returned to Chicago in the fall of 2005 to head up the Lynn Sage Comprehensive Breast Center. Before rejoining Northwestern, she was the Associate Director of the Joyce Eisenberg Keefer Breast Center with Saint John’s Hospital and Health Center and an Associate Member of Surgical Oncology at the John Wayne Cancer Institute in Santa Monica, California.

While Dr. Hansen’s research focus is clinically based, she has more than fifty articles in peer-reviewed publications and nine book chapters and is a nationally recognized expert in breast cancer research. She continues to be an advocate for Drs. Seema Khan and Jacqueline Jeruss’ research laboratories. And, the Breast Center recently welcomed Dr. Karl Bilimoria, whose clinical and research efforts are split between the Breast Center and Surgical Oncology. This team works hard to demystify breast cancer and create a nurturing environment in which to care for those patients.

The new Division of Breast Surgery unfolded on September 1, 2012.
Research Updates

The Department of Surgery had a very successful research year in fiscal year 2012. From September 2011 thru June 2012, 106 proposals were submitted: 26 were federal proposals with an estimated value of $38.4 million and 80 were non-federal with an estimated value of $13.2 million. Over the past few years, research has grown tremendously in the Department of Surgery. Last year was a record setting year in terms of our NIH ranking. We rose from a ranking of 38 in FY07 to number 14 in FY11, surpassing the University of Chicago’s Department of Surgery for the first time. Northwestern’s Department of Surgery now holds the highest NIH ranking amongst local AAMC Departments of Surgery.

Edelstone-Bendix Day

The 2012 Edelstone-Bendix Day was a great success. Resident training was the focus of the day. Congratulations to this year’s Kanavel Surgical Scholars Awardees:

- Amanda Hayman
- Tammy Kindel
- Seth Krantz
- Timothy Lautz
- B. Fernando Santos

Congratulations to the winners of the open competitions: C.J. Lee won the fellows competition, Ezra Teitelbaum won the resident-clinical research competition, and Joe Phillips won the resident basic science research competition. Lastly, congratulations to Ashley Vavra who won the chief resident competition.

We are looking forward to another great year for the residents in the lab. This year’s group includes Dan McCarthy, Karen Sherman and Kyle Zanocco who will be in their second lab year. In addition, Swami Gnanashanmugam will be pursuing his second year in the Stanford University Biodesign Fellowship. Incoming researchers include Jill Richman, L. Mark Knab and Ezra Teitelbaum. Richard Rink will also be pursuing a 2 year fellowship in the Stanford University Biodesign Fellowship.

NIH Rankings of Local AMC Surgery Departments

See pages 26-28 for award details
Surgical Education Updates

Medical Student Programs

Dr. Amy Halverson, Associate Clerkship Director, began her studies for a Master in Health Professions Education degree at the University of Illinois-Chicago and will be focusing on enhancing student evaluation methods and materials in the surgery clerkship. She is also focusing on the development of an experiential curriculum and corresponding assessment tools for teaching new technical skills to rural surgeons. Part of this effort will include the development of externships in rural surgery for medical students and residents.

Nurse Educator Liz Even RN, MSN, presented her low-cost method of teaching NG Tube placement with sour punch straws at the 2012 Association for Surgical Education Annual Meeting to wide-acclaim.

Congratulations to Christine Cherella who is the 2011 Julius Conn Award recipient. The Julius Conn Award is given annually to the highest achieving surgery clerkship student based upon academic performance and professionalism.

After a three month trial at the end of last academic year, the surgery sub-internship rotation has started strong in the 2012-2013 academic year with more than forty applicants and a significant number on the waiting list. The high ratio of attending and chief resident surgeons to sub-internship student, unique skill development, interactive teaching strategies, as well as a clinically relevant patient management syllabus are strong attractions for students. Dr. Nabil Issa serves as the surgery sub-internship director, assisted by Clare Petrie as the sub-I coordinator.

The NU Feinberg School of Medicine New Curriculum Steering Committee is developing a new medical student curriculum to be implemented in phases. Dr. Julia Corcoran, our Surgery Clerkship Director, is working with a team of surgical faculty to revise the surgery clerkship to be consistent with the Steering Committee’s new curriculum guidelines and principles. A proposal for a new surgery clerkship structure has been submitted to the Dean’s Office for consideration. It involves a “core” 8-week clerkship in the 3rd year, a second 3rd year 6-week clerkship designed for students interested in pursuing surgery, and a 4th year 4-week clerkship for students not seeking a surgical specialty. Details of the proposed curriculum will be developed once we learn the outcome of the Dean’s Office decision of our new design.

Resident Programs*

Effective July 1, 2012, Dr. Shari Meyerson assumed the position of Associate Program Director of Evaluation, the position formerly held by Dr. Jay Prystowsky. Dr. Meyerson has been on faculty since October 2010, joining the Division of Thoracic Surgery as an Associate Professor of Surgery. She is currently enrolled in the Master of Medical Education program offered through the University of Cincinnati. High on Dr. Meyerson’s priority list will be reviewing the current resident recruitment process for areas of enhancement. We would like to thank Dr. Prystowsky for his leadership and contributions to the general surgery residency program.

2012 was the inaugural year for the department’s PGY-1 resident boot camp. Fourteen incoming residents participated in a two-day, hands-on experiential and didactic curriculum. We would like to thank all the residents and faculty who helped teach and contributed to this effort. We would like to specifically recognize Dr. Nabil Issa for his instrumental leadership in developing and implementing the bootcamp curriculum, along with Bethany Stiegemeier, who assisted Dr. Issa with the organization and logistics of the program.

*Additional residency and fellowship educational updates are described in the corresponding division sections.
Edelstone-Bendix Residents’ Day

The 2012 Edelstone-Bendix Residents’ Day was held on Friday, June 22, 2012. The day’s events featured presentations by residents and fellows and showcased their outstanding work in both clinical and basic science research. This year’s guest lecturer and scientific paper judge was David W. Mercer, MD, McLaughlin Professor and Chairman of the Department of Surgery at the University of Nebraska Medical Center. Edelstone-Bendix Day concluded with the graduation dinner held at the Ritz-Carlton Hotel where approximately 150 of the Department of Surgery's faculty, fellows and residents attended the annual dinner which honors the Department’s graduating fellows and residents. A number of awards were given to fellows and residents for outstanding performance.

We congratulate the following recipients and guests of honor for their hard work and dedication:

<table>
<thead>
<tr>
<th>Category</th>
<th>Recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breast Surgery</td>
<td>Christine Gresik, MD &amp; Lisa Spiguel, MD</td>
</tr>
<tr>
<td>Pediatric Surgery</td>
<td>Rashmi Kabre, MD</td>
</tr>
<tr>
<td>Transplant Surgery</td>
<td>Diego di Sabato, MD &amp; Alex Dzakovic, MD</td>
</tr>
<tr>
<td>Vascular Surgery</td>
<td>C.J. Lee, MD</td>
</tr>
<tr>
<td>General Surgery</td>
<td>Janette Holub, MD, Colleen Jay, MD, Melissa Pilewskie, MD, Mehul Raval, MD &amp; Ashley Vavra, MD</td>
</tr>
</tbody>
</table>

The 2012 Kanavel Surgical Scholar awardees were Drs. Amanda Hayman, Tammy Kindel, Seth Krantz, Timothy Lautz and B. Fernando Santos. Each was given the opportunity to present their research and received a monetary prize.

There were three open competitions for research excellence. The winners received monetary awards for winning in their respective categories. The winners were as follows:

- Fellow Open Competition: C.J. Lee, MD
- Resident Clinical Research Competition: Ezra Teitelbaum, MD
- Resident Basic Science Competition: Joseph Phillips, MD

The Chief Resident Presentation award, which was based on the graduating residents’ Edelstone-Bendix Residents’ Day presentations, was awarded to Ashley Vavra, MD.

From left to right:
- Dr. Jonathan Fryer
- Dr. Colleen Jay
- Dr. Janette Holub
- Dr. Mehul Raval
- Dr. Ashley Vavra
- Dr. Melissa Pilewskie
- Dr. Nathaniel Soper
**Continued...Surgical Education Updates**

**Fellow as Teacher Awards** and **Resident as Teacher Awards** are bestowed onto those Department of Surgery fellows and residents who meet a series of eligibility criteria. Awardees are regarded as excellent role models physicians and learners to their peers, students and other health professionals. They were noted to make teaching a purposeful activity in their daily efforts and reliably participated in Department of Surgery education-related activities and reporting systems.

| The following residents are recipients of the Resident as Teacher Award: |
| Sonam Shah, MD | PGY 1 |
| Courtney Daly, MD | PGY 2 |
| Brett Duncan, MD | PGY 2 |
| Ran Bill Luo, MD | PGY 2 |
| Amanda Hayman, MD | PGY 4 |
| Tammy Kindel, MD | PGY 4 |
| Timothy Lautz, MD | PGY 4 |
| Elliott Hirsch, MD | PGY 4 |
| Colleen Jay, MD | PGY 5 |
| Melissa Pilewskie, MD | PGY 5 |
| Marco Ellis, MD | PGY 6 |

| The following fellows are recipients of the Fellow as Teacher Award: |
| Alex Dzakovic, MD | Transplant Surgery |
| Suman Annambhotla, MD | Vascular Surgery |
| Marlon Lee, MD | Vascular Surgery |
| C. J. Lee, MD | Vascular Surgery |
| Rashmi Kabre, MD | Pediatric Surgery |
| Loren Berman, MD | Pediatric Surgery |
| Adel Abuzeid, MD | Surgical Critical Care |

Of special note, this is the third time Melissa Pilewskie has received the Resident as Teacher award and the second time that Amanda Hayman, Tammy Kindel and Tim Lautz each won this award.

An award was presented to the two 2011 - 2012 **General Surgery Administrative Chief** residents for their leadership and commitment to the general surgery residents. Drs. Melissa Pilewskie and Ashley Vavra received engraved crystal awards in recognition of their hard work and dedication.

The **Harold L. Method Award** is presented to the chief resident who exhibits “outstanding performance for surgical skill, empathy and understanding toward patients, and for dedication to their care.” The recipient of this honor is also awarded a cash prize and will have their name engraved on a plaque with all previous winners, which is displayed in the Department of Surgery suite. This year, the recipient of the Method Award was Melissa Pilewskie, MD.

**Congratulations to all of our award winners!**
Continued...Surgical Education

The “Excellence in Teaching” award recognizes faculty members who excel at supporting resident and medical student learning. We are grateful to these outstanding teachers for their efforts in advancing the department’s education mission.

The 2011-2012 Excellence in Teaching award winners are:

<table>
<thead>
<tr>
<th>Faculty Member</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Julia Corcoran</td>
<td>General Surgery</td>
</tr>
<tr>
<td>Marie Crandall*</td>
<td>Pediatric Surgery</td>
</tr>
<tr>
<td>Robert Galiano</td>
<td>Plastic Surgery</td>
</tr>
<tr>
<td>Nora Hansen</td>
<td>Transplant Surgery</td>
</tr>
<tr>
<td>Nabil Issa</td>
<td>Vascular Surgery</td>
</tr>
<tr>
<td>Melina Kibbe*</td>
<td>Thoracic Surgery</td>
</tr>
<tr>
<td>David Mahvi</td>
<td>Critical Care Surgery</td>
</tr>
<tr>
<td>Michael McGee</td>
<td>Critical Care Surgery</td>
</tr>
<tr>
<td>Shari Meyerson</td>
<td>General Surgery</td>
</tr>
<tr>
<td>William Pearce*</td>
<td>General Surgery</td>
</tr>
<tr>
<td>Nathaniel Soper*</td>
<td>General Surgery</td>
</tr>
<tr>
<td>Cord Surgeon</td>
<td>General Surgery</td>
</tr>
<tr>
<td>Jeffrey Wayne*</td>
<td>General Surgery</td>
</tr>
</tbody>
</table>

*These faculty members have been awarded the Excellence in Teaching Award a minimum of five times. They are members of the Teaching Wall of Honor.

KUDOS:

Dr. Shari Meyerson was invited to serve on the American College of Surgeons’ Surgeon as Educator course to be held in September 2012. This course is a highly successful program sponsored by the ACS and Dr. Meyerson is the first Northwestern University faculty member to be invited to participate on the SAE faculty.

Dr. Debra DaRosa was invited to join the Editorial Board of the Journal of Graduate Medical Education, the official journal of the Accreditation Council for Graduate Medical Education. She also serves on the Editorial Board of Academic Medicine, the official journal of the Association of American Medical Colleges.
Clinical Care

Dr. Judith G. Abramson was appointed as Medical Director of Cancer Survivorship of the Robert H. Lurie Comprehensive Cancer Center of Northwestern. Dr. Abramson sees patients at the Lynn Sage Comprehensive Breast Center in addition to the Cancer Center on Galter 21, where she partners with existing clinical programs with the goal of creating a broadened program that incorporates medical, psychological, nutritional and exercise perspectives tailored to the unique needs of cancer survivors.

All new patients diagnosed with breast cancer at the Lynn Sage Comprehensive Breast Center are presented with a book titled *Breast Cancer Treatment Handbook*. This illustrated book helps the newly diagnosed cancer patient on the journey from the point of diagnosis through surgery and post-surgical treatment, and offers options and insight through the processes of the cancer treatment. These books were supplied by a grant from the Lynn Sage Cancer Research Foundation.

Education

This year, the graduating Lynn Sage Breast Fellows were Lisa R.P. Spiguel, MD and Christine A. Gresik, MD. Dr. Spiguel accepted a position at Emory University in Atlanta. Dr. Gresik transitioned to Elmhurst Community Hospital, in Elmhurst, Illinois. The 2012-2013 Lynn Sage Breast Fellows who began their fellowship on July 1 are: Dr. Melissa Lazar who completed her residency at Thomas Jefferson University Hospital in Philadelphia, and Dr. Denise Monahan who completed her residency at Jackson Memorial Hospital in Miami, Florida.

The Lynn Sage Comprehensive Breast Center has been recertified by the Society of Surgical Oncology Breast Fellowship. The SSO completed their re-certification with its Fellowship Site Visit this past year and awarded the Lynn Sage Breast Center a 5-year re-certification.

Research

The Breast Center has been highly active in research this past year with the receipt of seven new awards in the Department of Surgery and three new awards in the Cancer Center. These awards include a 4-year Investigator Initiated Komen for the Cure Research Grant, as well as a Breast Cancer Research Foundation award, both awarded to Dr. Seema Khan. Dr. Jacqueline Jeruss received the prestigious ACS Jacobson Promising Investigator Award. Promising Investigator Awards recognize outstanding surgeons who have shown through their research early promise of significant contribution to the practice of surgery and/or to the safety of surgical patients.
Cardiac Surgery has had an outstanding year in review. Below are a few highlights of the year to date and announcements of upcoming events.

**Research**

Dr. Richard Lee (PI) is participating in the AtriCure ABLATE AF Registry Trial (AtriCure Synergy Bipolar RF Energy Lesions for Non-Paroxysmal Forms of Atrial Fibrillation Treatment during Concomitant On-Pump Endo/Epicardial Cardiac Surgery).

Dr. S. Chris Malaisrie (PI) is participating in the Partner II trial with Edwards Sapien. He is also participating in the Edward Intuity TRANSFORM Trial (Multi-CenTer Experience with the Rapid Deployment EDWARDS INTUITY Valve System FOR Aortic Valve Replacement).

Dr. Edward McGee (PI) is participating in the MitraClip COAPT Trial (Clinical Outcomes Assessment of the MitraClip Percutaneous Therapy for High Surgical Risk Patients).

**Education**

Dr. Richard Lee was asked to join the Annals of Thoracic Surgery (ATS) as the Associate Editor. Dr. Lee is currently the Co-Director of the Southern Thoracic Surgical Association post graduate course. In addition, Dr. Richard Lee is on the ACGME Thoracic Milestone Project Working Group to set standards of behavior, attributes and outcomes competencies expected at key points of training.

Dr. Patrick McCarthy was asked to join the Editorial Board of the Journal for Thoracic and Cardiovascular Surgery.

The BCVI Summer Student Program, directed by Dr. Lee, Michael Yensel and Peter Kaye, was recently expanded to include students from Northwestern’s School of Continuing Studies Program.

**Clinical Care**

The BCVI was rated 17th in the nation for heart and heart surgery programs in the 2012 edition of U. S. News and World Report’s “America’s Best Hospitals”. Northwestern Memorial Hospital is the only hospital in the state of Illinois to be named to the U.S. News & World Report’s prestigious honor roll of the nation’s hospitals. For the 5th consecutive year, the BCVI has remained #1 in the state of Illinois as the highest ranked cardiology and heart surgery program.

For the second year, the BCVI has produced the Clinical Activities and Outcomes for surgeries completed for 2010 surgical case data. The division continues to track measurable results of superior health outcomes to communicate to our patients and referring peers.

Cardiac Surgery and Cardiology have developed an expanded service line of the Bicuspid Aortic Valve Program for patients diagnosed with bicuspid aortic valve (BAV) disease as well as for their first degree relatives.

Dr. S. Chris Malaisrie received the 2012 Northwestern Medical Faculty Foundation Physician Service Award for Clinical Collaboration. He was nominated by his peer physicians and surgeons for his outstanding responsiveness to colleagues in relation to access, communication and overall citizenship in patient care activities.
In this issue, the Division of Gastrointestinal and Oncologic Surgery would like to highlight our Colorectal Surgery section. We hope you will be as excited as we are by the expansion of Colorectal Surgery over the past few years.

**Improving Care for Colorectal Surgery Patients at Northwestern**

In the past year, the Division of Gastrointestinal and Oncologic Surgery welcomed our newest colorectal surgeon, Dr. Michael McGee. In a very short time, Dr. McGee has earned the trust of referring physicians and the hearts of patients. Dr. McGee completed his general surgery residency at Case Western Reserve University and his colorectal fellowship at the Cleveland Clinic. He has a particular interest in improving patient communication and education through advanced technology. He is currently developing an iPad application for patient information intake and for patient education. Dr. McGee is also studying how better patient education strategies can translate into improved patient satisfaction and reduced postoperative readmission rates.

Dr. Anne-Marie Boller has been focusing increased attention on patient assessment for sphincter injury after vaginal delivery. She was the recipient of the Evergreen award to study patient outcomes after third and fourth degree lacerations at childbirth. This study will evaluate functional outcomes and quality of life in these patients and shed light on when symptoms begin and optimal timing for surgical intervention in terms of the damaged sphincter. Dr. Boller was one of the first colorectal surgeons in Chicago to successfully implant Sacral Nerve Stimulators in appropriate patients with fecal incontinence. This procedure improves patient continence without major surgery on the sphincter itself and without any required hospitalization after the procedure.

The Integrated Pelvic Health Program of Northwestern continues to provide patients with a uniquely collaborative experience that includes multidisciplinary care from our colorectal surgeons in conjunction with urologists, urogynecologists and pelvic floor therapists for the diagnosis and treatment of pelvic floor disorders.

Dr. Amy Halverson served as the physician leader in a collaborative project with The Joint Commission’s Center for Transforming Healthcare to reduce surgical site infection following colorectal operations. Northwestern was one of seven hospitals participating in this project. Strategies that NMH uses to reduce surgical site infection include confirming that appropriate antibiotics have been administered during a pre-incision checklist. The operating room has also standardized a process to set aside specific instruments at the beginning of the case to avoid the use of contaminated instruments for closing the incision. The Department of Surgery is also working to reduce postoperative venous thromboemboli (VTE). Initial work by Dr. Halverson along with the NMH quality improvement team resulted in improved compliance with VTE prophylaxis. This resulted in a 70% reduction of postoperative VTE in general surgical patients.
The Division of Organ Transplantation had a strong year in all areas of our mission: clinical care, education, and research. Our faculty are leaders in national societies, our clinical programs continue to lead nationally in volumes, innovation, and outcomes, our trainees graduate to leading academic positions, and our researchers are attracting funding and generating high-impact publications in our areas of research focus.

Clinical Care

The clinical transplant programs again easily led the Chicago metropolitan area, and all programs ranked among the top five nationally by volume. Living donor transplantation again allowed our patients faster access to transplants, and innovative strategies including laparoscopic donor procedures, paired-donor exchange, and pre-transplant desensitization made this possible. The integrated hepatocellular carcinoma program, a collaboration offering the full range of diverse therapies from oncologists, interventional radiologists, hepatologists, hepatobiliary surgeons and others has established itself as a regional referral center for patients with this complex cancer. This year, in collaboration with the Division of Surgical Oncology, we leveraged the success of our islet transplantation program to initiate a program in auto-islet transplantation to make it possible for patients with severe benign pancreatic disease to receive symptom-alleviating surgery while maintaining insulin-producing beta cells. This promises to improve quality of life and reduce addiction among these patients, without the induced diabetes normally associated with these surgical approaches.

<table>
<thead>
<tr>
<th>Organ</th>
<th>2011 Volume</th>
<th>U.S Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Living Donor Kidney</td>
<td>154</td>
<td>1st</td>
</tr>
<tr>
<td>Total Kidney</td>
<td>283</td>
<td>5th</td>
</tr>
<tr>
<td>Living Donor Liver</td>
<td>21</td>
<td>2nd</td>
</tr>
<tr>
<td>Total Liver</td>
<td>134</td>
<td>4th</td>
</tr>
<tr>
<td>Pancreas</td>
<td>28</td>
<td>4th</td>
</tr>
</tbody>
</table>

Source: UNOS, Calendar 2011 Adult Transplants
Continued......Organ Transplantation Surgery

Education

Our fellowships continued their growth, with the addition of a second slot in our transplant nephrology program. Graduates continue to be heavily recruited for academic positions. Dr. Jon Fryer was named Program Director for the General Surgery residency and assumed that role this year. Finally, our NIH-funded T32 Transplant Scientist Training Program was renewed for five years and will continue to provide one outcomes research and one basic science research slot each year to post-doctoral researchers interested in transplantation.

Research

Transplant-related research continued to excel in all areas. Dr. Joseph Leventhal’s tolerance induction study received national attention as the first plenary address at the American Transplant Congress, a publication in Science Translational Medicine, and significant media attention. The Northwestern University Transplant Outcomes Research Collaborative (NUTORC) has continued its rapid growth with more than two dozen publications, presentations at major meetings, and new grants.

Two relatively new efforts are off to excellent early success. First, Dr. Jason Wertheim joined the faculty last August to develop a program in bioengineered tissues and organs. In his first year, he has established collaborations with the Chemistry of Life Processes Institute, department of materials engineering, IBNAM, Wake Forest, Pittsburgh, and other leaders. He has secured significant funding including $300,000 for one year (renewable twice for $900,000) from the Zell Family Foundation, and was awarded the $225,000 AASLD liver scholar award. The illustration at the right shows his work in decellularizing a kidney and re-growing endothelial cells on the decellularized scaffold. Recently, this effort provided a home for Dr. Ramille Shah, an engineer with a background in regenerative medicine. This nascent effort is off to an extremely positive start.

Second, the program in biomarkers that was incorporated in the CTOT consortium and was awarded a subcontract as the clinical core for Dr. Dan Salomon’s (Scripps Research Institute) U19 program project grant in transplant biomarkers. In addition, we have established new collaborations with Dr. Neil Kelleher, a world leader in top-down proteomics, at the Chemistry of Life Processes Institute on the Evanston Campus, the PROOF center at the University of British Columbia, and several industry partners. This work holds the promise of research that will lead to less invasive testing, earlier diagnosis, and personalized medicine. It also strengthens all of our other major translational, clinical, and outcomes initiatives by adding a biomarker dimension.
By all measures, the Division of Plastic Surgery had a productive year. The division graduates two residents a year, with 14 total residents in the program. The graduating chief residents, Dr. Sonya Agnew and Dr. Marco Ellis, gained top fellowships in plastic surgery subspecialties upon their matriculation. Dr. Agnew will attend the University of Washington hand surgery fellowship, while Dr. Ellis will pursue a fellowship in microvascular craniofacial surgery at the University of Maryland.

The Laboratory for Repair and Regenerative Surgery has been awarded almost 10 million dollars of funding over the past three years. Three PI’s include Dr. Galiano, the leader of the laboratory, Dr. Mustoe, and Dr. Hong. They are well supported by two senior scientists, two postdocs, and five residents/students. Outside of the lab but still located within the division of plastic surgery is the bionic arm research of Dr. Dumanian performed with Todd Kuiken of the RIC, and a clinical trials unit headed by Drs. Kim and Galiano. Dr. Kim is the local PI for a multicenter breast reconstruction outcomes study.

Clinically, one addition to the division was Dr. Mohammed Alghoul who began practicing in August. Trained as a full general surgeon before completing fellowships in plastic surgery, microsurgery, and ophthalmic plastic surgery, Dr. Alghoul will perform the full spectrum of plastic surgery. We welcome him to the faculty.

The division is pioneering the use of mobile telephones for HIPAA compliant exchange of clinical messages and photos between team members. The “HipaaCat” system went live on June 28 with the new resident year. Ask a plastic surgery resident for a demonstration!
Effective September 2012, Dr. Alberto de Hoyos has been promoted to Associate Professor of Surgery. Dr. Shari Meyerson has been named Associate Program Director for the General Surgery Residency. Dr. Malcolm DeCamp, Chief of Thoracic Surgery, continues to focus on elevating the Division through development of multidisciplinary programs in thoracic oncology, swallowing disorders and advanced lung diseases. From 2009 to 2012, the Division has achieved growth in surgical procedures (+14%), work RVUs (+12%) and clinic appointments (+42% for new patients).

Research

From a research perspective, the Division has enrolled 111 patients in the ProvenCare Lung Cancer Collaborative, including 53 patients since September 2011. Northwestern was selected as one of six U.S. institutions to participate in the ProvenCare study, which aims to define evidence-based best practices in lung cancer care and to examine if reliably adhering to these standards results in improved outcomes and lower cost.

Both Dr. Meyerson (VATS lobectomy) and Dr. de Hoyos (rigid bronchoscopy) continue their efforts to refine and validate their surgical simulators and plan to expand the simulation curriculum for general surgical and thoracic surgical residents.

Mr. Satvik Ramakrishna (MS2 at FSM) presented work from his 2011 summer research project in thoracic surgery at the cardiothoracic Alumni Day on June 22, 2012. His abstract “Statin Use is Associated with Decreased Local Recurrence and Improved Overall Survival in Resectable Non-Small Cell Lung Cancer (NSCLC)” was accepted for slide presentation at the American College of Chest Physicians annual meeting to be held in Atlanta in October 2012. Mr. Ramakrishna also received a Summer Intern Scholarship from the American Association for Thoracic Surgery in recognition for his work.

Dr. de Hoyos will serve as our institutional PI on an important NCI-sponsored clinical trial (RTOG and ACOSOG) comparing limited lung resection +/- brachytherapy to stereotactic body radiotherapy for early-stage lung cancer in high risk patients.

Dr. Colin Gillespie will represent the division as an investigator in the recently FDA-approved pivotal Phase III randomized trial of the RePneu lung volume reduction coil device in the treatment of emphysema.
Continued....Thoracic Surgery

Education

The first Lurie Comprehensive Cancer Center Thoracic Oncology Symposium was held on October 14, 2011 featuring multidisciplinary lectures by each divisional staff member.

The 8th Annual Thoracic Surgical Oncology Nursing Conference was held on March 22, 2012.

The 19th Annual Thomas W. Shields Lecture was held on May 17, 2012. The guest lecturer, Dr. Stephen Yang from Johns Hopkins Medicine, spoke about surgical education and teaching in the operating room.

Clinical Care

During the past year, the Division spearheaded a multispecialty effort to establish Lung Cancer Screening using low-dose helical CT scanning at NMH. Through the cooperative efforts of NMH and NMFF administration, thoracic surgery, diagnostic radiology and pulmonary medicine, patients and/or providers now have toll-free access to the service where trained counselors determine eligibility, provide basic education and schedule the scan.

To complement this screening initiative, the Division established a Lung Nodule program in collaboration with interventional pulmonologists Dr. Colin Gillespie and Dr. Keenan Hawkins. The Lung Nodule Clinic is designed to monitor, diagnose and treat patients with new lung nodules detected on screening exams or as incidental findings on other imaging studies.

Further, the Division continues to build the Thoracic Oncology program as a collaboration of multiple disciplines, including medical oncology, pulmonary medicine, radiation oncology, radiology and pathology. Reflexive molecular testing of biopsied and/or resected lung cancers for the common “driver” mutations active in NSCLC (kras, EGFR, EML4-ALK) are now accomplished in-house allowing for timelier accrual to relevant clinical trials and facilitating creation of truly personalized adjuvant treatment plans.

Beginning in February 2012, Dr. Alberto de Hoyos and Dr. Shari Meyerson are holding outpatient clinics and performing surgical procedures at the Jesse Brown VA Medical Center in Chicago.

The Division continues planning for development of a Lung Transplant program. Thoracic Surgery and Pulmonary Medicine continue to recruit for a Lung Transplant Surgeon and Pulmonologist, respectively, to lead the program. It is expected that, given a successful recruitment strategy, this program will be clinically active in FY 2013.
Trauma and Critical Care Updates

“...in our contact with residents and medical students on the trauma, critical care and night float rotations, the faculty continue to emphasize an educational balance that embraces preparation, clinical excellence, and professional integrity.”

Clinical Care
Clinical volume and acuity in Trauma, Acute Care Surgery, and Critical Care continues to grow. The Surgical Intensive Care Unit, after completing a hospital-wide renovation, is being expanded from a capacity of 11 to 23 beds. The service has expanded further to include coverage for Thoracic Surgery patients, and a continued growth in volume is expected.

With the warmer weather this year, we also saw an increase in penetrating injuries. This is a city-wide trend, and the division continues in its partnership with community-based organizations and new initiatives to work towards strategies of nonviolence and the prevention of retaliation.

Education
The Surgical Critical Care Fellowship graduated three fellows this year. Dr. Adil Abuzeid accepted a position in Surgical Critical Care and Trauma at the Georgia Health Sciences University. Dr. Abigail Tarbox accepted a position as the Co-Medical Director of the Surgical Intensive Care Unit at the Jesse Brown VA Hospital. Dr. Calogero (Charlie) DiMaggio began a Vascular Surgery fellowship at the Geisinger Clinic.

Divisional faculty again were honored at the departmental and medical school levels for excellence in teaching. Dr. Issa was recognized with a special Dean’s Award for Teaching Excellence and Dr. Shapiro was recognized by the graduating chief residents as the recipient of their inaugural Sixth Man Award. In our contact with residents and medical students on the trauma, critical care and night float rotations, the faculty continue to emphasize an educational balance that embraces preparation, clinical excellence, and professional integrity.

Research
Dr. Steven Schwulst has enjoyed preliminary success in the basic science research lab and was awarded a research grant by the American Association for the Surgery of Trauma Foundation. He hopes to apply for an NIH K award in the coming year. Divisional research productivity was robust, with numerous publications and presentations at national meetings in the trauma and critical care arenas. Dr. Crandall was inducted into the Society of University Surgeons this year, and Dr. Swaroop was granted fellowship in the American College of Surgeons.
Announcements

Dr. Melina Kibbe was named Deputy Director of the Institute of BioNanotechnology in Medicine and, in April 2011, Vice Chair of Research in the Department of Surgery. In addition, she completed the Fellowship Executive Leadership in Academic Medicine Program for Women, Drexel University College of Medicine.

Dr. Heron Rodriguez received a promotion to Associate Professor of Surgery. In addition, he was named Associate Program Director of the Vascular Surgery Fellowship Program. As an alumnus of the program (FSM '02) and through his work with the Department of Surgery clerkship program over the last several years, Dr. Rodriguez brings forth a new dimension to Vascular Surgical training in both the traditional and integrated pathways.

After 14 years with the Division of Vascular Surgery, Dr. Mark Morasch accepted a position at St. Vincent Healthcare in Billings, Montana. While we regret the loss of such a fine surgeon, we wish Dr. Morasch and his family the best in their move.

Dr. Andrew Hoel joined the Division on September 1. Dr. Hoel received his M.D. from Mayo Medical School in 2003. He did his internship and residency in general surgery at Brigham and Women’s Hospital and completed his vascular surgery fellowship at Dartmouth-Hitchcock Medical Center in June. He is interested in continuing his outcomes research efforts in conjunction with NU’s Institute for Healthcare Studies.

Drs. Elaine Gregory and Monica Rodriguez completed the two-year T32 Vascular Surgery Scientist Training Program (VSSTP) on June 30. Dr. Gregory received an American Heart Association grant to fund her third year of research in Dr. Kibbe’s laboratory. Drs. Nathanial Koo and Hussein Kassam are continuing their second year in Dr. Kibbe’s laboratory. On July 1, Dr. Jill Richmond Streams started in Dr. Kibbe’s laboratory and Dr. Mila Ju, the second incoming VSSTP trainee, started the American College of Surgeons’ Clinical Scholars in Residence Program under the mentorship of Dr. Karl Bilimoria.

Dr. Alexander Kharazov, a Russian vascular surgeon who was awarded an SVS International Fellows traveling scholarship, visited the Division for two weeks in June. It was an excellent opportunity to showcase our program and to learn about the practice of vascular surgery in Russia.

Research

Dr. Melina Kibbe’s research in vascular biology was featured in the Excellence in Research section of the Office for Research 2011 Annual Report.

Education

The 36th annual Northwestern Vascular Symposium was held in Chicago, from December 8-10, 2011. The symposium focused on assessment and treatment of various vascular diseases. Forty-three world-renowned physicians presented on their areas of expertise. One-hundred-fifty registered attendees represented the United States, Ireland, Denmark and Canada.

All three of the Vascular Surgery fellows, C.J. Lee, Suman Annambhotla, and Marlon Lee received Fellow as Teacher Awards. Courtney Daly, the second-year 0+5 Vascular Surgery Integrated Program resident, received the Resident as Teacher Award. These awards are presented to fellows or residents in good standing who receive outstanding ratings for their teaching of residents and medical students.

Clinical Care

Two new operating rooms, including one hybrid operating system, have been designed and built. They opened for use the end of June.

Vascular Surgery faculty serve as principal investigator on three new industry sponsored clinical trials investigating novel treatments for vascular disease. In addition, they serve as co-PI on one additional industry sponsored trial and two NIH sponsored trials.
With our move to Ann & Robert H. Lurie Children’s Hospital complete, we look forward to further developing our Research, Education and Clinical Care endeavors in collaboration with our Feinberg colleagues.

**Education**

Marybeth Browne, MD, received the Masters of Science in Healthcare Quality and Patient Safety from Northwestern University in June 2012. David Rothstein, MD, was nominated to the Education Committee, Surgical Section, of the American Academy of Pediatrics. Erin Rowell, MD, was accepted for full membership into the American Pediatric Surgery Association (APSA) and the American College of Surgeons (ACS).

**Research**

Research endeavors continue to grow across the department. Over twenty faculty investigators received 2012 funding from the Children’s Hospital of Chicago Faculty Practice Plan, which also provided funding for several Research Coordinator positions. The Department of Surgery joined the American College of Surgeons National Surgical Quality Improvement Program (NSQIP). NSQIP is a quality-improvement program based on clinical rather than administrative data. With 46 other pediatric hospitals currently holding membership, the NSQIP program will provide us with comparative risk-adjusted metrics on surgical outcomes. We are confident that NSQIP will allow us to better direct quality improvement initiatives for surgery, ultimately preventing complications, improving safety, and reducing cost. Marybeth Browne, MD, is our NSQIP coordinator.

**Clinical Care**

Arun Gosain, MD, was named Division Head of Plastic Surgery, beginning June 2012. Dr. Gosain was previously Division Chief of Pediatric Plastic Surgery at Rainbow Babies and Children’s Hospital, where he also served as Director of the Craniofacial Anomalies and Vascular Anomalies clinics. He was also Vice Chair of the Department of Plastic Surgery and Program Director of Plastic Surgery Residency at Case School of Medicine. We welcome Dr. Gosain to the department.
In the nearly two years since our affiliation with Northwestern Memorial HealthCare, Northwestern Lake Forest Hospital (NLFH) has made significant progress toward integrating the two organizations and meeting the long-term goal of advancing Northwestern Medicine®. On September 29, 2011, the members of Surgeons Group, SC joined Northwestern Medical Faculty Foundation (NMFF), marking another important step in our journey.

Legacy of Local Care Counties

General surgeons John R. Andrews, MD, Stephen W. Ganshirt, MD, and Kim R. Sobinsky, MD, have provided excellent general surgical care to patients in Chicago’s northern suburbs for 25 years. (Dr. Andrews also has colon-rectal surgical subspecialty training.) Although they joined NMFF, the surgeons will maintain their office on the NLFH campus and offer surgical services at both the hospital and Northwestern Grayslake’s new surgery center.

These physicians have not only provided advanced care to local patients—they are invested in the communities they serve.

All three physicians have lived in or near Lake Forest; they have raised their children there, developed relationships with their peers and helped build NLFH’s reputation for personal, exemplary care.

“This is an outstanding group of surgeons who are well known throughout the community for providing high-quality surgical care, exceptional outcomes and personalized care,” says hospital president Thomas J. McAfee. “Their reputations have contributed to the hospital’s longstanding reputation as consumers’ top-choice for surgical care in Lake and Kenosha Counties.”

Supporting Medical Education

As members of NMFF, Drs. Andrews, Ganshirt and Sobinsky will also serve as academic medical faculty, sharing their knowledge and experience with the next generation of surgeons.

“We look forward to the Surgeons Group joining NMFF and continuing their successful careers as clinicians and educators,” said David Mahvi, MD, Northwestern Memorial Hospital Physician, and chief, Division of Gastrointestinal and Oncologic Surgery at Northwestern University Feinberg School of Medicine. “Their focus on quality care and excellence will support the mission of our academic medical center and Northwestern Medicine.”

“Drs. Andrews, Ganshirt and Sobinsky have solid reputations with their patients and their physician peers for delivering quality care and outstanding clinical outcomes. They will be superb additions to our faculty and improve access to exceptional surgical care for patients in the north suburbs,” said Nathaniel J. Soper, MD, Northwestern Memorial Hospital physician and Loyal and Edith Davis Professor and Chair, Department of Surgery, Northwestern University Feinberg School of Medicine.

Victor B. Tsirline, MD joined the Surgeons Group on July 1, 2012. See page 24 for more details.
The Jesse Brown VA Medical Center (JBVAMC) is the only VA healthcare facility in the city of Chicago and includes a 170-bed inpatient facility on Chicago’s Westside adjacent to Stroger Hospital and the University of Illinois at Chicago campus. JBVAMC accommodates more than 8,000 inpatient admissions annually. JBVAMC also includes five outpatient facilities scattered about Chicago and northwest Indiana which accommodate more than 600,000 outpatient visits annually.

Surgical Service encompasses ten Surgical Sections (General including Bariatrics and Critical Care, Orthopaedics, Optometry, Ophthalmology, Otolaryngology, Plastics, Podiatry, Thoracic, Urology, and Vascular), 69 providers, and 7 allied health personnel. Approximately 200 residents spend time at the VA in a given year and approximately 35 are present at any one time. These staff care for 21,000 veterans annually and perform 3,200 operations annually in the Operating Room theatre at JBVAMC.

Education
The VA rotations continue to be a valuable asset in the residency curriculum. Attending supervision is available in all venues of clinical care, yet residents enjoy substantial autonomy in decision-making and most aspects of patient care. Rotation evaluations by residents and students are highly favorable in this regard and the VA provides a complementary clinical experience for the resident staff.

Clinical Care
General Surgery has been bolstered in recent years with development of Bariatric Surgery and the addition of Plastic Surgery. Although Plastics is a free-standing rotation, Dr. Dumanian and the Plastics team often work with General Surgery in managing a variety of cases, most notably complex abdominal wall reconstruction. Drs. Alberto de Hoyos and Shari Meyerson have resurrected Thoracic Surgery at JBVAMC and quickly developed a robust surgical section. These patients are incorporated into the General Surgery experience so that our chief resident is responsible for Thoracic, Bariatric, and traditional General Surgery cases simultaneously. Dr. David Bentrem provides expertise in Surgical Oncology, Dr. Joseph Vitello provides expertise in General and Bariatric Surgery, and Dr. Jose Cintron provides expertise in Colo-Rectal Surgery from which our residents and patients benefit greatly.

We have recently recruited Dr. Abigail Tarbox who just completed her fellowship in Critical Care/Trauma Surgery. She will participate with Dr. Vitello and Dr. Stuart Lipnick to maintain a completely “closed” Surgical Intensive Care Unit and to establish an Acute Care Surgery model of inpatient surgical care in General Surgery that should improve continuity and quality of inpatient care.

Research
JBVAMC continues to play a small, but important role in the Department of Surgery research mission. Drs. David Bentrem and Melina Kibbe enjoy extensive research support through VA research grants. Importantly, two fully-funded resident positions are committed to Northwestern University Department of Surgery residents whose primary commitment is to perform research with either Dr. Bentrem or Kibbe, but also provide clinical support to JBVAMC. This program has proved very helpful to the department’s research effort.

We have spent a great deal of effort in concert with the VA Surgical Quality Improvement Program to improve the quality of inpatient care at JBVAMC. These efforts have been recognized by VA Central Office as successful and will serve as a foundation for future quality efforts as well.

For 2012, we anticipate significant personnel changes in Otolaryngology and Orthopaedics with additional recruitment in Thoracic Surgery, Plastic Surgery, and Podiatry. We also anticipate receipt of a da Vinci Surgical Robot and development of a Robotics program and intend to submit an application for establishing a Urotrauma Reconstructive and Rehabilitation Center. Finally, with augmented staffing in Nursing and Anesthesia, we look forward to increasing our surgical volume to over 4,000 cases annually by 2015.
Donors ensure legacy is realized by documenting estate plans: Lantermans invest in the future of vascular surgery through an estate gift

The late Joseph and Marjorie Lanterman recently provided a transforming $9.85 million gift to Northwestern’s Division of Vascular Surgery in appreciation for the care they received over the years at Northwestern University Feinberg School of Medicine. In doing so, they also honored the enduring relationships they enjoyed with former faculty member John F. Marquardt, MD ’60, GME ’62, and James S.T. Yao, MD, PhD, former chief of the division and emeritus professor of surgery.

The Lantermans, who were married for 44 years, were prominent Chicagoans who gave generously of their time and resources through civic philanthropy. Their estate gift to Northwestern created the Joseph B. & Marjorie M. Lanterman Endowed Research and Education Fund in Vascular Surgery, which is being used to develop programs in vascular disease education, research, and patient care. Prior to her passing in 2008, Mrs. Lanterman conferred on several occasions with Dr. Yao, then division chief, to ensure that her commitment would have the greatest impact across the division’s mission areas.

Mrs. Lanterman’s forethought to work with Dr. Yao and representatives from Development & Alumni Relations at the Feinberg School ensured that her wishes were met. Per her clearly-documented direction, The Lanterman Research and Education Fund will help to sustain and further the excellent basic science research programs in the Division of Vascular Surgery. Likewise, this fund has been used to create the John F. Marquardt, MD, Clinical Research Professorship in Vascular Surgery and the James S.T. Yao, MD, PhD, Professorship of Education in Vascular Surgery in honor of Drs. Marquardt and Yao. Named professorships are the highest academic honors bestowed on faculty members of the medical school.

Both patients and faculty can choose to establish a lasting legacy by documenting an estate gift at Northwestern. If you are thinking about remembering the Department of Surgery in your estate plans, please know that medical school representatives are here to work with you as facilitators to ensure that your specific intentions are met. By notifying our office, also known as “documenting your bequest,” you can feel confident that:

* Your gift will go directly to the medical school (or multiple areas within Northwestern University should you prefer)
* Your gift will be directed to your specified area of interest (research, department-specific initiatives, scholarships, unrestricted towards the highest priorities of the medical school, and so on)
* The name you prefer on your documentation is consistent with that listed in Northwestern’s records (some donors make gifts that carry an individual’s name, a couple’s name, a family name, or even the name of a loved one)
* Your gift and the language in your will meet the criteria for endowed professorships, scholarships, or other specific programs that are important to you; and
* You will be recognized appropriately:
  - As a member of the Henry and Emma Rogers Society (HERS), which celebrates supporters who document bequests for Northwestern
  - As a member of the Nathan Smith Davis Recognition Society (NSDRP), which was founded to encourage strong financial support from alumni, faculty, staff, and friends of the medical school;
  - On the HERS Recognition Plaque for bequests; or
  - With a most sincere “thank you,” either publicly or privately (if you choose to remain anonymous), for your thoughtful generosity.

A documented bequest is simply an intention and can be altered in the future should life circumstances change. Documenting a bequest simply ensures that your gift will be realized as you envisioned and intended. Your generosity in documenting your intentions will also have a tremendous impact on the department’s ability to plan for its future growth. Your gift intention also can encourage classmates, colleagues, and others to make their own gifts!

To learn more about creating your own legacy or helping a patient carry out their wishes of supporting the Department of Surgery, please contact Courtney Weeks at (312) 503-3080 or c-weeks@northwestern.edu to discuss bequest documentation, or write to Courtney Weeks at Northwestern University Feinberg School of Medicine, Development & Alumni Relations, 420 East Superior Street, Rubloff Building 9th floor, Chicago, IL 60611.
Background

2011 saw management grow to provide oversight of IS services for both the Departments of Surgery and Medicine. By the close of the calendar year, the IS team had grown by three members and nearly tripled the numbers of faculty and staff served. The team has focused on doing more with proportionally fewer “feet on the street” - providing more coverage to more people, promoting standards, increasing efficiencies, and controlling costs.

Results

The numbers that result speak for themselves: Each Surgery/Medicine technician supports at least 200 desktops - over 50% above the average for academic computing environments. By July, the team had responded to over 12,000 documented calls. 45% of these calls directly involve staff productivity. 25% directly support NU/FSM core functions and/or ensure HIPAA and other security. And 20-25% of all activities support consolidating and improving service levels across and between departments.

Projects

In January, the team completed the migration of NU mail services to the new University “Collaboration” environment, touching desktops and supporting individual users in ten different departments. In April and May, desktop technicians began support of new encryption processes at FSM. Over 100 laptops containing sensitive data were encrypted in an initial round with a process that backed-up, patched, and repaired both NU and personal assets containing sensitive data. In three months of work no data were lost, no machine was “harmed,” and - in addition to the added protection of encryption - every machine left the bench with a complete “tune-up.”

Growing Video Service

At the same time, DoS IS grew its Video Support Services, expanding the services it provides and covering more faculty and staff members. As of July 1, technicians had supported 1,452 events, with two of its busiest months - for July and August - still ahead of them. Over 350 events have been held in the Surgery Video-Conferencing facility. Some regular events now include remote viewers at Northwestern Lake Forest Hospital. In total, Video events are up over 30% above 2010. Lecture and Grand Rounds coverage have grown by 90% in a single year, with DoS IT now providing support for Medicine, Cardiology, Nursing, Psychiatry and others.
Mohammed Alghoul, MD has been appointed as Assistant Professor of Surgery in the Division of Plastic Surgery. Dr. Alghoul received his medical degree from the University of Jordan School of Medicine in 1999. He then moved to the United States where he completed his General Surgery internship (2004, 2005) and residency (2009) at the Cleveland Clinic Foundation, Cleveland, Ohio. Then he completed his plastic surgery residency at the Cleveland Clinic (2011), followed by Microsurgery fellowship at the Medical College of Wisconsin (2011). He then completed his Southeastern Society of Plastic and Reconstrucetive Surgery aesthetic and oculoplastic fellowship in Atlanta, Georgia, with Mark Codner, MD. Dr. Alghoul’s areas of special interest include: breast reconstruction, microsurgery & perforator flap reconstruction, aesthetic and reconstructive oculoplastic surgery, and facial aesthetic surgery.

Arun Gosain, MD was named Division Head of Plastic Surgery at Ann & Robert H. Lurie Children’s Hospital of Chicago in June 2012. Dr. Gosain previously was Division Chief of Pediatric Plastic Surgery at Rainbow Babies and Children’s Hospital in Cleveland, OH, where he also served as Director of the Craniofacial Anomalies and Vascular Anomalies clinics. Dr. Gosain was also DeWayne Richey Professor and Vice Chair of the Department of Plastic Surgery at Case School of Medicine.

Born in India, Dr. Gosain attended Princeton University where he graduated Magna Cum Laude with an AB in Biology (1977). He received his medical degree from the UCLA School of Medicine (1981) and completed his General Surgery Internship (1982) and Residency (1986) at the University of California Hospitals. Dr. Gosain then completed a General Surgery Residency at the University of Medicine and Dentistry of New Jersey Affiliated Hospitals (1988) and Residency in Plastic Surgery at the Medical College of Wisconsin (1990), where he later became fellow in Hand and Microsurgery (1991). He then earned his Fellowship in Craniofacial Surgery (1991-2) at the Institute of Reconstructive Plastic Surgery in New York.

His areas of special interest include: craniofacial anomalies, cleft lip and palate, and distraction of the facial skeleton; treatment of vascular anomalies (hemangiomas, lymphatic malformations, arterial malformations); and dynamic facial reanimation in children with facial paralysis. Dr. Gosain’s goals for Plastic Surgery center on achieving premier status in the areas of clinical service, research, and resident education. He has clear visions for each of these elements, including the development of two multidisciplinary programs, the Cleft Palate and Craniofacial Institute and the Vascular Malformations Center; advancement of the division’s research initiatives, including specific plans for increased lab facilities and staffing; and finally, enhancement of the Plastic Surgery Residency program, in particular its research component.

Andrew Hoel, MD (pronounced “Hool”) is an Assistant Professor of Surgery in the Division of Vascular Surgery. Dr. Hoel is a graduate of Mayo Medical School; he completed a residency in general surgery at Brigham and Women’s Hospital, a Harvard teaching hospital, and a fellowship in vascular surgery at Dartmouth-Hitchcock Medical Center.

His clinical interests include the treatment of aortic, visceral, carotid, and lower extremity vascular disease. He has specialized training in endovascular surgery including the treatment of complex aortic aneurysms. This training complements his background in open surgical treatment of the full spectrum of vascular disease.

Dr. Hoel completed research fellowships at Washington University and Harvard Medical School. He has published and presented his work on a broad spectrum of topics including the vascular biology of aneurysm development and vein graft failure. His current research focuses on secondary prevention and quality of life in vascular surgery patients with particular emphasis on the role of new technology in improving patient outcomes.

Victor Tsirline, MD is an Assistant Professor of Surgery in the Division of Gastrointestinal/Endocrine Surgery at Northwestern University Feinberg School of Medicine. Dr. Tsirline graduated from Northwestern University with degrees in Biomedical Engineering and Computer Science. He attended medical school at Rush University and surgical residency at Loyola Medical Center. He completed a research and clinical Minimally Invasive Surgery fellowship at Carolinas Medical Center in Charlotte, NC.

Dr. Tsirline’s clinical interests center around minimally invasive surgery, including single-incision and robotic surgery, as well as complex hernia repairs and abdominal wall reconstruction. His research focuses on hernia repair technologies and a wide variety of clinical informatics applications.

Dr. Tsirline practices predominantly at Northwestern Lake Forest Hospital with Drs. Andrews, Ganshirt and Sobinsky of the Surgeons Group practice.

*New full-time clinical faculty from September 1, 2011 through September 1, 2012.*
Announcements

- Congratulations to the following faculty members on their recent promotions: Alberto de Hoyos, MD from Assistant to Associate Professor; Jonathan Fryer, MD from Associate Professor to Professor; Eric Hungness, MD from Assistant Professor to Associate Professor; and Heron Rodriguez, MD from Assistant Professor to Associate Professor.

- Congratulations to Dr. Nabil Issa, recipient of the Dean’s Award for Teaching Excellence and Dr. Melina Kibbe, recipient of the George H. Joost Award for Teaching Excellence. Both awards were presented at the August 2011 Founders’ Day!

- For the sixth consecutive year, Dr. Wilson Hartz led a team of Northwestern Memorial physicians and nurses on a medical mission to Guatemala. This year, Dr. Hartz was joined by Dr. Mark Toyama and together they performed dozens of surgical procedures on impoverished children and adults.

- Northwestern Surgical Associates is excited to introduce its new associate, Jeffrey S. Fronza, MD. After completing his general surgery residency at Northwestern, Dr. Fronza completed a fellowship in Advanced Laparoscopic and Gastrointestinal Surgery at Oregon Health & Science University under the mentorship of John G. Hunter, MD. He will practice General and Gastrointestinal Surgery at Northwestern Memorial Hospital with an emphasis on benign and malignant diseases of the foregut and the surgical treatment of morbid obesity.

- Congratulations to Jesse Meyer, former Division Administrator (Department Administrator of OB/Gyn, effective September 1), on receiving the NMFF Administrative Leadership Excellence Award. Awards are given to a member of the management team who has demonstrated outstanding administrative leadership of a new or existing program, or a long term commitment to accepting and excelling at new leadership assignments.

- Congratulations to Remi Love in the Division of Surgical Oncology on receiving the NMFF Service Excellence Award. Awards are given to staff members in both administrative and clinical roles who have consistently provided extraordinary service and exhibited an unwavering commitment to the standards NMFF espouses.
### Department of Surgery Newly Funded Projects, (September 2011—July 2012)

#### Breast Surgery

<table>
<thead>
<tr>
<th>PI</th>
<th>TITLE</th>
<th>SPONSOR</th>
<th>BUDGET PERIOD</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seema Khan</td>
<td>Progesterone Antagonist for the Prevention of Breast Cancer</td>
<td>NMF</td>
<td>10/1/11-8/31/12</td>
<td>$42,000</td>
</tr>
<tr>
<td>Seema Khan</td>
<td>Pre-Clinical Studies of Breast Cancer Prevention with Transdermal</td>
<td>Breast Cancer</td>
<td>10/1/11-9/30/12</td>
<td>$150,000</td>
</tr>
<tr>
<td></td>
<td>Anti-progesterone Agents</td>
<td>Research</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jacqueline</td>
<td>The Dichotomous Role of TGF-beta/Smad3 Signaling in Breast Cancer</td>
<td>CBC Scholars</td>
<td>1/1/12-12/31/12</td>
<td>$5,000</td>
</tr>
<tr>
<td>Jeruss</td>
<td>Nipple Aspiration Fluid Yielders and Non-Yielders: Genetic and</td>
<td>Avon Scholars</td>
<td>1/1/12-12/31/12</td>
<td>$10,000</td>
</tr>
<tr>
<td></td>
<td>Tumor Characteristics</td>
<td>Products</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CDK Inhibition and Restoration of Smad3 Signaling in Aggressive</td>
<td>CSAF</td>
<td>7/1/12-6/30/13</td>
<td>$10,000</td>
</tr>
<tr>
<td></td>
<td>Breast Cancer Subtypes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jacqueline</td>
<td>NIRS Fellowship for Elizabeth Tarasewicz in Support of: The</td>
<td>NCI</td>
<td>9/1/12-8/31/13</td>
<td>$42,168</td>
</tr>
<tr>
<td>Jeruss</td>
<td>Dichotomous Role of TGF-Beta/Smad3 Signaling in Breast Cancer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jacqueline</td>
<td>ACS Jacobson award</td>
<td>ACS</td>
<td>9/1/12-8/31/13</td>
<td>$15,000</td>
</tr>
<tr>
<td>Jeruss</td>
<td>PH3-O1: PRESENT: Prevention of Recurrence in Early-Stage, Node-</td>
<td>Galena Biopharma,</td>
<td>12/1/11-12/31/12</td>
<td>$370,785</td>
</tr>
<tr>
<td></td>
<td>Positive Breast Cancer with Low to Intermediate HER2 Expression</td>
<td>Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>with NeuVax™ Treatment</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal of Awards for Breast Surgery**  
$644,953

#### Cardiac Surgery

<table>
<thead>
<tr>
<th>PI</th>
<th>TITLE</th>
<th>SPONSOR</th>
<th>BUDGET PERIOD</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edwin McGee, Jr.</td>
<td>The Use of Interactive Technology to Enhance Patient Engagement</td>
<td>NNLM</td>
<td>5/1/12-8/31/12</td>
<td>$3,830</td>
</tr>
<tr>
<td></td>
<td>and Education at the Point of Care</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal of Awards for Cardiac Surgery**  
$3,830

#### Gastrointestinal/Oncological Surgery

<table>
<thead>
<tr>
<th>PI</th>
<th>TITLE</th>
<th>SPONSOR</th>
<th>BUDGET PERIOD</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Karl Bilimoria</td>
<td>Multidisciplinary Sarcoma Care: Trends Outcomes and Ensuring Quality</td>
<td>NMF</td>
<td>1/31/12-12/31/12</td>
<td>$50,000</td>
</tr>
<tr>
<td>Michael McGee</td>
<td>Minimally Invasive Colorectal Surgery Center of Excellence</td>
<td>IDHFS</td>
<td>9/1/11-8/31/11</td>
<td>$200,000</td>
</tr>
<tr>
<td>(Anne-Marie Boller)</td>
<td>Center of Excellence in Eliminating Disparities: Chicago Colon Cancer Patterns of Care Study</td>
<td>National Institute on Minority Health</td>
<td>9/1/11-5/31/12</td>
<td>$35,878</td>
</tr>
<tr>
<td>Amy Halverson</td>
<td>Learning Curriculum for Laparoscopic Common Bile Duct Exploration</td>
<td>NMF</td>
<td>9/1/12-8/31/13</td>
<td>$44,072</td>
</tr>
<tr>
<td>Eric Hungness</td>
<td>N-3 Fatty Acid-Induced AKT Suppression: Chemoprevention for Pancreatic Neoplasia</td>
<td>NCI</td>
<td>7/23/12-5/31/17</td>
<td>$333,835</td>
</tr>
</tbody>
</table>

**Subtotal of Awards for GI/Onc**  
$663,785

#### Trauma/Critical Care

<table>
<thead>
<tr>
<th>PI</th>
<th>TITLE</th>
<th>SPONSOR</th>
<th>BUDGET PERIOD</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mamtta Swaroop</td>
<td>Development of a Prospective, Observational Traumatic Brain Injury Registry</td>
<td>NMF</td>
<td>9/1/11-8/31/12</td>
<td>$14,000</td>
</tr>
<tr>
<td>Steven Schuwst</td>
<td>Prevention of Traumatic Brain Injury-Induced Immune Cell</td>
<td>AAST</td>
<td>7/1/12-6/30/13</td>
<td>$50,000</td>
</tr>
</tbody>
</table>

**Subtotal of Awards for Trauma/Critical Care**  
$64,000

#### Vascular Surgery

<table>
<thead>
<tr>
<th>PI</th>
<th>TITLE</th>
<th>SPONSOR</th>
<th>BUDGET PERIOD</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melina Kibbe</td>
<td>IPA Agreement for Michelle Endo</td>
<td>Jesse Brown VA Medical Center</td>
<td>10/1/11-11/15/11</td>
<td>$1,341</td>
</tr>
<tr>
<td>Melina Kibbe</td>
<td>Department of Surgery: Research Administrative Support</td>
<td>Illinois Dept. of Healthcare &amp; Family Services</td>
<td>9/1/11-8/31/12</td>
<td>$70,000</td>
</tr>
<tr>
<td>Mark Eskandari</td>
<td>Illinois Surgical Quality Improvement Collaboration Conference</td>
<td>NIH</td>
<td>9/1/11-1/31/12</td>
<td>$4,995</td>
</tr>
<tr>
<td>Mark Eskandari</td>
<td>Vascular Surgery Fellowship Program</td>
<td>Boston Scientific Foundation, Inc.</td>
<td>5/1/12-6/30/13</td>
<td>$25,000</td>
</tr>
<tr>
<td>Melina Kibbe</td>
<td>Postdoc Fellowship in support of L-Absorbic Acid-Poly(diol-citrate): An Innovative Approach to Improve Vascular Sugary Outcomes</td>
<td>AHA-Midwest Affiliate</td>
<td>7/1/12-6/30/13</td>
<td>$105,844</td>
</tr>
<tr>
<td>James S.T. Yao</td>
<td>Initiative to Fight Hepatitis B</td>
<td>Alumnae NU</td>
<td>7/1/12-5/30/13</td>
<td>$2,923</td>
</tr>
</tbody>
</table>

**Subtotal of Awards for Vascular Surgery**  
$210,103

---

Note: The table above lists the projects, investigators, titles, sponsors, budget periods, and amounts for each project.
### Department of Surgery Newly Funded Projects, (September 2011—July 2012)

<table>
<thead>
<tr>
<th>PI</th>
<th>TITLE</th>
<th>SPONSOR</th>
<th>BUDGET PERIOD</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dan Fintel</td>
<td>A Randomized, Double-Blind, Placebo-Controlled, Event-Driven Trial of Quarterly Subcutaneous Canakinumab in the Prevention of Recurrent Cardiovascular Events Among Stable Post-Myocardial Infarction Patients with Elevated hsCRP</td>
<td>Novartis</td>
<td>10/11-10/11-10/14</td>
<td>$311,028</td>
</tr>
<tr>
<td>Keith Benzuly</td>
<td>Renal Denervation in Patients with Uncontrolled Hypertension - Symplicity HTN-3</td>
<td>Medtronic, Inc.</td>
<td>12/16/11-12/16/14</td>
<td>$676,342</td>
</tr>
<tr>
<td>William Cotts</td>
<td>IMPROVE-HF Bridge Pilot Study</td>
<td>Medtronic, Inc.</td>
<td>12/14/11-12/14/14</td>
<td>$124,500</td>
</tr>
<tr>
<td>Keith Benzuly</td>
<td>Pre-Determine: Biologic Markers and MRI SCD Cohort Study</td>
<td>Medtronic, Inc.</td>
<td>12/16/11-12/16/14</td>
<td>$676,342</td>
</tr>
<tr>
<td>Charles Davidson</td>
<td>Evaluation of XIENCE PRIME or XIENCE V versus Coronary Artery Bypass Surgery for Effectiveness of Left Main Revascularization</td>
<td>Abbott Laboratories</td>
<td>2/27-12-2/27/15</td>
<td>$114,150</td>
</tr>
<tr>
<td>Daniel Lee</td>
<td>ABLATE AF Registry Trial (AtriCure Synergy Bipolar RF Energy Lesions for Non-paroxysmal Forms of Atrial Fibrillation Treatment During Concomitant On-Pump Endo/Epicardial Cardiac Surgery)</td>
<td>AtriCure, Inc.</td>
<td>4/17/12-4/17/15</td>
<td>$58,525</td>
</tr>
<tr>
<td>William Cotts</td>
<td>AdS hAC6 Gene Transfer for CHF</td>
<td>NHLBI</td>
<td>4/1-12-6/30/12</td>
<td>$241,744</td>
</tr>
<tr>
<td>Melina Kibbe</td>
<td>A Phase II Randomized Double-Blind, Placebo Controlled Dose Escalation Study to Evaluate the Safety and Efficacy of JVS-100 Administered by Direct Intramuscular Injection to Cohorts of Adults with Critical Limb Ischemia</td>
<td>Juventas Therapeutics, Inc.</td>
<td>5/9-12-5/9/15</td>
<td>$488,641</td>
</tr>
<tr>
<td>Sanjiiv Shah</td>
<td>Symptomatic Pulmonary Arterial Hypertension After Mitral Valve Surgery: Pilot, Screening Study</td>
<td>Gilead Sciences</td>
<td>5/7-12-5/7/15</td>
<td>$2,506,630</td>
</tr>
<tr>
<td>William Cotts</td>
<td>CTOT-11: Novel Therapies to Improve Renal and Cardiac Allograft Outcomes: Prevention of Cardiac Allograft Vasculopathy Using Rituximab (RITUXAN) Therapy in Cardiac Transplantation</td>
<td>NIAID</td>
<td>5/24-12-8/31/12</td>
<td>$49,850</td>
</tr>
<tr>
<td>Charles Davidson</td>
<td>Prot# Amorcyte Study -002: A Prospective Randomized Double Blinded Placebo Controlled Phase II Trial of Intra-coronary Infusion of AMR-001, a Bone Marrow Derived Autologous CD34+ Selected Cell Product, in Patients with Acute Myocardial Infarction</td>
<td>Amorcyte, Inc.</td>
<td>5/1-12-5/1/15</td>
<td>$395,893</td>
</tr>
<tr>
<td>Kathleen Grady</td>
<td>Mechanical Circulatory Support: Development &amp; Use of Quality of Life Instruments</td>
<td>AHA - Midwest Affiliate</td>
<td>7/1-12-6/30/13</td>
<td>$71,310</td>
</tr>
<tr>
<td>Leonard Ilkhanoff</td>
<td>Prot # AZM-MD-302: A Phase 3 Multi-Center, Randomized, Double-Blind, Placebo-Controlled Study of the Effects of Once Daily Oral Doses of 75mg Azimilide Dihydrochloride on the Incidence of Cardiovascular Hospitalizations/ Emergency Department Visits or Cardiovascular Death in Patients with an Implantable Cardioverter Defibrillator</td>
<td>Forest Research Institute, Inc.</td>
<td>5/15-12-5/15/15</td>
<td>$68,115</td>
</tr>
<tr>
<td>Melina Kibbe</td>
<td>Prot# JTC-S-002: A Phase IIa Randomized Double-Blind, Placebo Controlled Dose Escalation Study to Evaluate the Safety and Efficacy of JVS-100 Administered by Direct Intramuscular Injection to Cohorts of Adults with Critical Limb Ischemia</td>
<td>Juventas Therapeutics, Inc.</td>
<td>5/9-12-5/9/15</td>
<td>$488,641</td>
</tr>
<tr>
<td>William Pearce</td>
<td>Prot #FC-004: A Phase 3, Randomized, Single-Blind, Controlled Trial of Topical Fibrocaps in Intraoperative Surgical Hemostasis (FINISH-3)</td>
<td>ProFibrix, Inc.</td>
<td>5/1-12-5/1/15</td>
<td>$93,138</td>
</tr>
<tr>
<td>Charles Davidson</td>
<td>Prot 901001: A Prospective, Randomized, Double-Blinded, Active-Control and Unblinded Standard of Care (SOC) Controlled Study to Determine the Efficacy and Safety of Targeted Intramyocardial Delivery of G-CSF Mobilized Autologous CD34+ Cells for the Improvement in Total Exercise Time During Standardized Exercise Testing in Subjects with Refractory Angina Pectoris and Chronic Myocardial Ischemia (OMI)</td>
<td>Baxter Healthcare Corp/ PPD Development</td>
<td>7/9-12-7/9/15</td>
<td>$608,866</td>
</tr>
<tr>
<td>Susan Kim Koss</td>
<td>ST Monitoring to Detect ACS Events in ICD Patients Study (Analyze ST) IDE Study</td>
<td>St. Jude Medical, Inc.</td>
<td>7/16-12-7/16/15</td>
<td>$47,500</td>
</tr>
<tr>
<td>Heron Rodriguez</td>
<td>Prot-SF34: Durability Iliac</td>
<td>Covidien Ltd.</td>
<td>6/28-12-6/28/15</td>
<td>$36,250</td>
</tr>
</tbody>
</table>

Subtotal of Awards for the Clinical Trials Unit: $7,117,103
### Plastic and Reconstructive Surgery

<table>
<thead>
<tr>
<th>PI</th>
<th>TITLE</th>
<th>SPONSOR</th>
<th>BUDGET PERIOD</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Galiano (Seok Jong Hong/Thomas Mustoe)</td>
<td>BIOMASK: The Use of an In-Vivo Bioreactor as a Biologic Platform for the Guided Self-Contained Fabrication of a Composite Facial Regenerate</td>
<td>U.S. Army Medical Research &amp; Material Command</td>
<td>9/30/11-9/29/12</td>
<td>$700,000</td>
</tr>
<tr>
<td>Robert Galiano</td>
<td>At Home Evaluation of Two Pneumatic Compression Devices in the Treatment of Lower Extremity Lymphedema (ACE: At home Compression Evaluation)</td>
<td>Tactile Systems Technology Inc.</td>
<td>9/1/11-9/1/14</td>
<td>$155,920</td>
</tr>
<tr>
<td>Thomas Mustoe, Seok Jong Hong, Robert Galiano</td>
<td>Stabilized Hemoglobin Wound Healing Development</td>
<td>U.S. Army Medical Research &amp; Material Command</td>
<td>9/25/11-9/24/12</td>
<td>$350,000</td>
</tr>
<tr>
<td>Thomas Mustoe</td>
<td>Medical Device Innovation Program (MDIP) of the Division of Plastic Surgery of Northwestern University</td>
<td>National Collegiate Inventors &amp; Innovators Alliance</td>
<td>9/1/11-10/31/12</td>
<td>$15,000</td>
</tr>
<tr>
<td>Robert Galiano</td>
<td>A Phase 2, Open-Label Study to Provide Revision of Scars Resulting from Surgery in Prior Studies of EXC 001</td>
<td>Excaliard Pharmaceuticals, Inc.</td>
<td>2/10/12-2/10/15</td>
<td>$14,577</td>
</tr>
<tr>
<td>Thomas Mustoe</td>
<td>The Effect of Antimicrobial Dressing on Bacterial-Biofilm Infected Wounds</td>
<td>ConvaTec</td>
<td>1/9/12-12/31/13</td>
<td>$54,469</td>
</tr>
<tr>
<td>Robert Galiano</td>
<td>A Prospective, Randomized, Intra-patient, Comparative, Open Multi-Centre Study to Evaluate the Efficacy of a Single-Use Negative Pressure Wound Therapy (NPWT) System (PICO) on the Prevention of Postsurgical Incision Healing Complications in Patients Undergoing Reduction Mammaplasty</td>
<td>Smith &amp; Nephew, Inc.</td>
<td>5/31/12-5/15/15</td>
<td>$110,655</td>
</tr>
<tr>
<td>Seok Jong Hong</td>
<td>The Effect of Hyaluron-Based Hydrogel on the Survival of Adipocytes Graft</td>
<td>BioTime, Inc.</td>
<td>4/30/12-4/30/15</td>
<td>$24,660</td>
</tr>
<tr>
<td>Robert Galiano</td>
<td>Prot# 802-247-09-029: A Phase 3 Randomized, Double Blind, Vehicle Controlled Study Investigating the Safety and Efficacy of HP802-247 in the Treatment of Venous Leg Ulcers</td>
<td>Healthpoint, Ltd.</td>
<td>12/8/11-12/8/14</td>
<td>$225,252</td>
</tr>
<tr>
<td>Robert Galiano</td>
<td>IN-BALANCE VLU: Inflammation, Bacteria &amp; Angiogenesis Effects in Launching Venous Leg Ulcer Healing</td>
<td>Celleration</td>
<td>5/17/12-5/17/15</td>
<td>$415,614</td>
</tr>
<tr>
<td>Gregory Dumanian</td>
<td>Development of Advanced Prosthetic Systems</td>
<td>U.S. Army Medical Research &amp; Material Command</td>
<td>9/19/11-9/18/12</td>
<td>$73,049</td>
</tr>
<tr>
<td>John Kim</td>
<td>The Correction of Capsular Contracture Using Acellular Dermis (BellaDerm tm): Techniques and Outcomes</td>
<td>Musculoskeletal Transplant Foundation, Inc. (via NIH)</td>
<td>3/1/11-3/1/12</td>
<td>$2,500</td>
</tr>
</tbody>
</table>

**Subtotal of Awards for Plastic and Reconstructive Surgery**

$2,141,696

**Total Awards Processed (September 2011—July 2012)**

$7,050,404
Michael Abecassis, MD, MBA

Honors/Awards
American Liver Foundation Flavors of Chicago (charity event) – Sept 19, 2011 – Honoring Dr. Michael Abecassis for his contributions to the liver transplant community.
2011-2012, Co-director, American Society of Transplant Surgeons Leadership Development Program.
2011, Member, American Medical Association Physician Payment and Healthcare Delivery - Committee on Innovation.
2011-2012, Member, Scientific Advisory Group for Transplantomics and Biomarkers in Organ Transplantation.
2012-2014, Member, American Association for the Study of Liver Diseases, Federal Agencies Liaison Committee.

Presentations

Invited Speaker, 3rd International Conference on Transplantomics and Biomarkers in Organ Transplantation, La Jolla, California. Integrating Evidence-based Best Practice, Health Services and Outcomes Research, and Genomic Biomarkers - the singularity in US healthcare - can we afford it? March 10, 2012.

Publications

Kathrina A. Barsness, MD

Honors/Awards
2011 Excellence in Teaching Award, Northwestern University, Department of Surgery.

Presentations
Barsness, KA; Myerson, S. “Ex-vivo Model for TEF Repair and Lobectomy.” International Pediatric...

**Publications**


Bass, L; Barsness, KA. “Mesenteric Castleman’s Disease Detected by Capsule Endoscopy.” J Pediatr Gastroenterol Nutr 2012 (Epub ahead of print)

Barsness, KA; Reynolds, M. “The Spleen.” Pediatr Surgery. 7th Ed. Eds Coran, A; Krummel, T; Adzick, S; Shamberger, R; Laberje, JM; Cadillac, MA. 2012.

**David J. Bentrem, MD**

**Presentations**


**Publications**


**Karl Y. Bilimoria, MD, MS**

**Honors/Awards**

Top-Rated Scientific Abstract, Society of Surgical Oncology Annual Meeting 2012, Orlando, FL

**Presentations**

Ryan P. Merkow, Karl Y. Bilimoria, David Bentrem. Room for improvement? the adoption of multimodal esophageal cancer care in the United States. Society of Surgical Oncology, Annual Cancer Symposium, San Antonio TX 2011

Ryan P. Merkow, Karl Y. Bilimoria, David Bentrem. Room for improvement? the adoption of multimodal esophageal cancer care in the United States. ASCO Gastrointestinal Cancer Symposium, San Francisco 2011


Karl Y. Bilimoria, Xue Wang, Mark E. Cohen, Bruce L. Hall, Ryan P. Merkow, Peter W.T. Pisters, Clifford Y. Ko. Do Cancer Centers Need to Assess Quality and Outcomes? Introducing a Customized ACS NSQIP for Oncology (Onc-NSQIP), Society of Surgical Oncology, Annual Cancer Symposium, San Antonio TX 2011

Timothy Pawlik, Karl Y. Bilimoria, Jill Smiley, Mark E. Cohen, Clifford Y. Ko, Henry Pitt. Risk Prediction in Hepato-Pancreato-Biliary Surgical Oncology. Society of Surgical Oncology, Annual Cancer Symposium, San Antonio TX 2011

Ankit Agarwal, Sanchit Misra, Alok Choudhary, Karl Y. Bilimoria. Risk Prediction for Post-Operative Adverse Outcomes in Coelorectal Cancer Surgery. IEEE International Conference on Computational Advances in Bio and Medical Sciences, Orlando, 2011


Karl Y. Bilimoria. Approaches to Quality Improvement: Top down vs. Bottom up, Association for Academic Surgery meeting, 2011

Karl Y. Bilimoria. ACS NSQIP Oncology: A Quality Assessment System for Cancer Surgery, C4QI Annual Meeting, 2011

Karl Y. Bilimoria. The Future of ACS NSQIP: Clinical Care, Research, and Policy, Association for Academic Surgery meeting, 2011

Karl Y. Bilimoria, New Changes and Challenges in the Management of Early-Stage Breast Cancer, Grand Rounds, West Suburban Hospital 2011


Karl Y. Bilimoria. Assessing Cancer-Specific Surgi-

Marybeth Browne, MD

Presentations
“Quality and Safety: National Surgical Quality Improvement Program (NSQIP),” Surgical Grand Rounds, Children’s Memorial Hospital, Chicago, IL, May, 2012.

Juan Carlos Calcedo, MD

Honors/Awards
2011–Present. American Society of Transplant Surgeons (ASTS): ASTS Diversity Issues Committee, Chair

2011–Present. Gift of Hope (Organ and Tissue Donor Network) – Member of Board of Directors

Anthony Chin, MD

Presentations


Publications


Naiditch J, Rigsby C, Chin AC. Delayed repeated enema and operative findings after unsuccessful primary enema for intussusception. (In press).


Marie L. Crandall, MD, MPH

Honors/Awards
Academic Appointment: Institute for Public Health and Medicine, Northwestern University Chair, Association of Women Surgeons, Clinical Practice Committee, 2011-2013

Executive Council, Association of Women Surgeons, 2011-

Executive Committee, Midwest Injury Prevention Alliance, 2011-2014

Vice Chair, Eastern Association for the Surgery of Trauma, Injury Control/Violence Prevention Committee, 2011-2014

Conference co-organizer, State of the Health of Michigan, 2012


Editorial Board, American Journal of Surgery, 2012

Member, Society of University Surgeons, 2012

NMH Medical Ethics Honor “For Moral Agency and Professional Advocacy in Partnership with CeaseFire Chicago”, 2011

Mentor of the Year, Program in Public Health, Northwestern University, 2011

Presentations


Debra A. DaRosa, PhD

Honors/Awards
Invited to serve on Editorial Board of the Journal of Graduate Medical Education, a journal in association with the Accreditation Council on Graduate Medical Education (ACGME)

Presentations

“How People Learn” presented for grand rounds, Department of Obstetrics and Gynecology, Wayne State University. Detroit, MI. June 6, 2012.

“Resident as Coach”, “Teaching in the Ambulatory Setting”, “Setting Expectations.” Resident as Teacher, American College of Obstetrics and Gynecology (ACOG), Council on Resident Education in Obstetrics and Gynecology (CREOG): Chi-
cago, IL. Philadelphia, PA and Pasadena, CA, April, May & June 2012

“Resident as Coach” and “Teaching in the Ambulatory Setting.” Residents as Teacher and Leader, American College of Surgeons (ACS): Chicago, IL, April 2012


“Just-in-Time Teaching (JITT) and Team Based Learning” workshop at the Association of American Medical Colleges 2012 Council of Academic Societies Spring Meeting, Santa Fe, NM, March 9, 2012.

“Ultimate Multi-Tasking: Teaching, Supervising, and Assessing in the OR” and “Kaizen: Relentless Quest for Better Quality” presented for the Clinical Teaching Retreat, Department of Reproductive Medicine, University of California, San Diego. San Diego, CA February 1, 2012.


“Ultimate Multi-Tasking: Teaching, Supervising, and Assessing in the OR” presented at Grand Rounds, Department of Surgery, University of Southern California. December 9, 2011.

“Maximally Invasive Teaching,” presented for the Powell Lectureship, Baylor University Medical Center. Dallas, TX. November 30, 2011.


“Multi-tasking: Teaching and Assessing in the OR,” Presented the Debra J. Graham, MD Memorial Lecture, University Hospitals Case Medical Center. Cleveland, OH, October 5, 2011


Publications
DaRosa, DA., Pugh, CM. Error training: Missing Link in Surgical Education. Surgery. 2012. 151:139-145.

Malcolm M, DeCamp, MD
Honors/Awards
Elected to membership American Surgical Association, 2012

Presentations
Session Chair, CHEST 2011 “Management of the Subcentimeter Pulmonary Nodule” Honolulu, HI October 2011
Invited Speaker, CHEST 2011 “Surgical Approach to Ground-Glass Opacities” Honolulu, HI October 2011
Invited Speaker, CHEST 2011 “Lung Volume Reduction Surgery: 15 Years After Redevsery” Honolulu, HI October 2011

Mendelsohn Memorial Lectureship, “Interventions for Emphysema: Beyond Best Medical Care” Case Western Reserve University, Cleveland, OH May 2012

Invited Speaker, 17th World Congress of Bronchology, “Cervical Tracheal Resection: Optimal Management of Short-Segment Stenosis” Cleveland, OH June 2012

Publications
Estenne M, Fessler HE, DeCamp MM. Lung Transplantation and Lung Volume Reduction Surgery, in Comprehensive Physiology Volume 1; pp 1437-1471. (Epub July 2011)
DeCamp MM. Commentary: Smoking cessation reduces postoperative complications: A systematic review and meta-analysis. Selected Readings in General Surgery, 2011


Alberto de Hoyos, MD

Awards/Honors
Promoted to Associate Professor of Surgery, 2012

Publications


Presentations
de Hoyos, A. Innovations in Bedside Tracheostomy, Northwestern Memorial Hospital, Chicago, IL September, 2011.
de Hoyos, A. Society of Laparoendoscopic Surgery, Master’s Class OR Ready Surgical Safety and Superior Outcomes, Los Angeles, CA, September, 2011.
de Hoyos A. Otolaryngology Head and Neck Surgery at Northwestern University: Tracheal Surgery Presentation, June 2012.
de Hoyos A. Current Interventions for Patients with Emphysema at St. Francis Hospital, Evanston, IL, June 2012.

Gregory A Dumanian, MD

Publications


Dina M Elaraj, MD

Presentations
Speaker ACS 2011: Elaraj DM, Sturgeon CS, Salem R. Initial Experience with Dynamic Cone Beam CT to Improve the Success of Adrenal Vein Sampling for Primary Hyperaldosteronism, San Francisco, CA, October 2011

Mark K Eskandari, MD

Honors/Awards
Named Medical Director, Blood Flow Laboratory, Northwestern Memorial Hospital, 2011

Appointed to Professional Standards Committee, Northwestern Lake Forest Hospital, 2011

Named Chair, NMR Carotid Artery Stenting Quality Management Committee, 2011

Received Excellence in Teaching Award, Department of Surgery, Feinberg School of Medicine, 2011

Elected to membership in Southern Association for Vascular Surgery, 2011

Appointed Planning Committee Chair, Chicago EndoVascular Conference (CVC), 2011

Appointed to Public and Professional Outreach Committee, Society of Thoracic Surgeons, 2011

Appointed to the Faculty Honors/Awards, Presentations & Publications Committee, Society of Thoracic Surgery, 2011
Faculty Honors/Awards, Presentations & Publications

Served as Associate Examiner, American Board of Surgery Certifying Examination, Chicago, IL, 4/16-18/2012

Presentations
Invited Speaker, “Summary of Carotid Stent Trials”. Northwestern University Feinberg School of Medicine, Surgery Grand Rounds, Chicago, IL, June 16, 2011.
Invited Speaker, “Prevention of Restenosis and Salvage Procedures”. Midwestern Vascular Surgical Society meeting, Chicago, IL, September 15-17, 2011.
Invited Speaker, “What Is the Threshold of Anatomic Injury for Stent-Grafting after Acute Aortic Trauma; When Does it Make Sense Not to Intervene?” VIVA 11, Las Vegas, NV, October 18-21, 2011.
Invited Speaker, “Aortic and Carotid Disease Update”. An Update on Clinical Cardiology for the Internist, Northwestern Lake Forest Hospital, Lake Forest, IL, November 4, 2011.
Invited Speaker, “Peripheral Vascular Disease—An Update for Primary Care Physicians”. Norwegian American Hospital, Chicago, IL, November 10, 2011.
Invited Speaker, “Understanding Peripheral Artery Disease”. Northwestern Memorial Hospital’s Healthy Transitions Program, Chicago, IL, April 13, 2012.
Invited Speaker, “New Advances in Stroke Prevention and Aortic Aneurysm Treatment”, 8th Annual House Calls, Northwestern Lake Forest Hospital, Lake Forest, IL, April 14, 2012.

Publications
Eskandari MK. TEVAR for acute aortic trauma. Endovascular Today 2011(Nov);10(11):64.

Jeffrey S. Fronza, MD
Publications

Donald E. Fry, MD
Publications


Jonathan P. Fryer, MD
Publications


Robert D. Galiano, MD
Publications


Kathleen L. Grady, PhD
Honors/Awards
April, 2012 Medical honoree (Coeur, D’Or) Ameri-can Heart Association, Chicago, Heart Ball

Presentations
Quality of Life Research in Cardiovascular Disease. 37th Ten-Day Seminar on Epidemiology and Prevention of Cardiovascular Disease (sponsored by the AHA & CDC). Lake Tahoe, CA.

Function and Quality of Life with Current Devices. Heart Failure Society of America, 15th Annual Scientific Meeting, Boston, MA.

Quality of Life on Left Ventricular Assist Devices. Tufts 4th Annual New England Heart Failure and Transplant Network Conference, Boston, MA.

Adherence to the Medical Regimen: Challenges and Outcomes after Heart Transplantation. Seventh Annual Heart Failure Holiday Symposium, The Bluhm Cardiovascular Institute, Center for Heart Failure and Feinberg School of Medicine, Northwestern University, Chicago, IL.

Transitioning Back to the Community, LVAD as Destination Therapy for Advanced Heart Failure. American College of Cardiology 61st Annual Scientific Sessions, Chicago, IL.

Quality of Life and Functional Capacity. International Society for Heart and Lung Transplantation. ISHLT Academy: Core Competencies in Mechanical Circulatory Support. Prague, Czech Republic.

When to Refer for Advanced Therapies: Psychological and Social Factors. American Association of Heart Failure Nurses. 8th Annual Conference. Chicago, IL.

Publications


Shamaskin A, Rybarczyk B, Wang E, White-
Williams C, Cotts W, McGee E, Grady K. Older patients have better quality of life, adjustment and adherence than younger patients 5 years post heart transplantation. J Heart Lung Transplant. 2012 May;31(5):478-484.


Paul J. Grippo, PhD

Publications


Park CH, Lee IS, Grippo PJ, Pandol SJ, Guvkovskaya AS, Edderkauoi M Akt Kinase Mediates the Pro-Survival Effect of Smoking Compounds in Pancreatic Ductal Cells. Pancreas (accepted for publication).

Nora M. Hansen, MD

Presentations


The Promises and Myths of Breast Cancer Research. Lynn Sage Town Hall Meeting, Chicago, Illinois, October 2, 2011:


San Antonio Breast Cancer Symposium Review, Updates: Surgical Oncology for Breast Cancer. University of Iowa, Iowa City, February 16-17, 2012

CME Presentation: Update in Women’s Health: Menopause, Breast Cancer and Bone Health, University of Cincinnati, Cincinnati, Ohio, March 1-2, 2012

Publications


Mary Hummel, PhD

Presentations


Publications

author.

**Eric S. Hungness, MD**

**Honors/Awards**

Named S. David Stulberg Research Professor
Promoted to Associate Professor, 2012
Recipient 2012 Alvin H. Baum Clinical Simulation Research Award

**Presentations**

POEM. Case Western Per-Oral Endoscopic Myotomy (POEM); a hands-on course. Cleveland, February 10, 2012.

**Publications**


**Jacqueline S. Jeruss, MD, PhD**

**Honors/Awards**

2012 Central Surgical Association Foundation Enrichment Award, Central Surgical Association; Leawood, KS

**Presentations**

College of American Pathology, “Breast Surgical Pathology,” Chicago, IL; October 15, 2011.
Chicago Speaks: Women in Leadership Conference, Association of Northwestern University Women (ANUW), Northwestern University, Chicago, IL; May 15, 2012.
Breast Cancer Program, “Smad Signaling and Breast Cancer,” Robert H. Lurie Comprehensive Cancer Center, Northwestern University Feinberg School of Medicine, Chicago, IL; April, 2012.
Tumor Invasion, Metastasis and Angiogenesis Meeting, “Cyclins, Smad3, and Breast Cancer.” Robert H. Lurie Comprehensive Cancer Center, Northwestern University Feinberg School of Medicine, Chicago, IL; May, 2012.
Tarasewicz E, Aviles MO, Shea LD, Jeruss JS. Analysis of transcription factor activation by the embryonic microenvironment in metastatic breast cancer cells. American Association for Cancer Research, Chicago, IL; 2012.
Publications


Jeruss JS. Review of Triple Negative Breast Cancer from NEJM; Volume 37, Number One, Select ed Readings in General Surgery, 2011.

Spiguel LR, Jeruss JS. Review of Association of Occult Metastases in Sentinel Lymph Nodes and Bone Marrow with Survival Among Women With Early-Stage Invasive Breast Cancer from JAMA; Volume 306, Number Four, Selected Readings in General Surgery, 2011.


Kathleen A, Kapp-Simon, PhD

Presentations

Gaither RA, Kapp-Simon KA, Craddock MM, Collett BR, Starr, JR, Buono LA, Speltz ML. Intellectual and academic performance outcomes in children with single suture craniosynostosis (SSC), Cases versus Controls. 9th Annual Meeting of the American Cleft-Palate Craniofacial Association, San Jose, CA April 18, 2012.

Kapp-Simon KA. The Interdisciplinary Management of Crouzon Syndrome from Birth to Adult hood Panel: Neurobehavioral Issues. 69th Annual Meet ing of the American Cleft-Palate Craniofacial Association, San Jose, CA April 21, 2012.


Publications


Seema A, Khan, MD

Honors/Awards

Elected to American Surgical Association, April 2012

American College of Surgeon Surgical Standards Committee, 2012-Present

Department of Defense Breast Cancer Research Program Integration, June 2012


ASCO Breast Cancer Symposium Program Committee (SSO representative), 2011

American Society of Breast Diseases Program Committee, 2011

Intraludical Symposium Program Committee, 2011

Presentations


Publications


Melina R, Kibbe, MD

Honors/Awards

Appointed Deputy Director, Institute for BioNano technology in Medicine, Northwestern University, Chicago, IL, 2011

Received George T Joost Outstanding Teacher in Structure-Function, Northwestern University, Feinberg School of Medicine, 2011

Named Member, PVD Scientific Sessions Program Committee, Council on Peripheral Vascular Disease, American Heart Association, 2011-2014

Named Member, Society for Vascular Surgery Research Council, June 2011 – Received Tenure at Associate Professor level, 2011

Named Member, Association for Academic Surgery /French Surgical Assoc Course Task Force, 2011-2013


Appointed to Committee on Admissions, Society of Clinical Surgery, 2012-2015

Appointed to Senior Faculty Research Advisory Committee, Feinberg School of Medicine, Northwestern University

Appointed to Office of Sponsored Research Search Committee, Northwestern University
Faculty Honors/Awards, Presentations & Publications

Appointed to Admissions Committee, Medical Scientist Training Program (MSTP), Feinberg School of Medicine, Northwestern University, Chicago, IL, August 31, 2011.

Appointed to National Institutes of Health, NHLBI Working Group - Current Challenges and Opportunities in Vascular Surgery and Endovascular Therapy Research, Washington, DC, 6/5/12

Presentations

Invited speaker, Models in Academic Surgery, Career Development Course, National Surgical Congress, Bogota, Colombia, August 12, 2011.

Invited speaker, Time Management Strategies, Career Development Course, National Surgical Congress, Bogota, Colombia, August 12, 2011.

Invited speaker, Carotid Artery Stenting: Lessons Learned from a Single Institutional Experience, Colombian Surgical Society, XXXVII National Surgical Congress, Bogota, Colombia, August 14, 2011.

Invited speaker, The Ups and Downs of Translational Research: One Surgeon’s Journey, Surgical Grand Rounds, University of Nebraska Medical Center, Omaha, NE, August 31, 2011.

Invited speaker, Navigating the Maze of Research Funding, Surgical Grand Rounds, Northwestern University Feinberg School of Medicine, Chicago, IL, September 22, 2011.

Invited speaker, Basic Science and Translational Research, Career Development Course, French Surgical Congress, Paris, France, October 5, 2011.

Invited speaker, Submitting and Revising your Manuscript, Career Development Course, French Surgical Congress, Paris, France, October 6, 2011.

Invited speaker, Everything You Want to Know About Preparing & Revising Scientific Manuscripts, 22nd Annual Fundamentals of Surgical Research Course, Association for Academic Surgery, San Francisco, CA, October 21, 2011.

Invited speaker, Funding Success Rates: The Good, the Bad, the Ugly, 7th Annual Career Development Course, Association for Academic Surgery, San Francisco, CA, October 22, 2011.

Panelist, Townhall Meeting on Grant Writing, American College of Surgeons 97th Annual Clinical Congress, San Francisco, CA, October 25, 2011.


Invited speaker, Research Funding, Northwestern Memorial Hospital, Leadership Forum, Chicago, IL, January 19, 2012.

Invited speaker, Diagnosis and Treatment of Vascular Disease in Women, Fifth Annual Women’s Cardiovascular Health Symposium, Northwestern Memorial Hospital, Chicago, IL, February 3, 2012.

Faculty, Society of University Surgeons


Invited speaker, Liquid Cast Stents: A Paradigm-Shifting Technology, Northwestern University Board of Trustees, Chicago, IL, March 10, 2012.


Invited speaker, Development of a Novel Liquid Stent, Royal Australasian College of Surgeons, Annual Scientific Congress, Vascular Section, Kuala Lumpur, Malaysia, May 9, 2012.

Invited speaker, Development of a Novel Liquid Stent, Royal Australasian College of Surgeons, Annual Scientific Congress, Vascular Section, Kuala Lumpur, Malaysia, May 9, 2012.

Invited speaker, Development of a Novel Liquid Stent, Royal Australasian College of Surgeons, Annual Scientific Congress, Vascular Section, Kuala Lumpur, Malaysia, May 9, 2012.


Publications


John Y. Kim, MD
Honors/Awards

Presentations


Publications


Joseph R. Leventhal, MD, PhD
Presentations

Publications


Victor L. Lewis, Jr., MD

Honors/Awards
Re-elected Section Chair for Plastic and Maxillofacial Surgery AMA House of Delegates, 2012
Martin R. Sullivan Teaching Award, Division of Plastic Surgery Northwestern, 2012
Coding and Payment Policy Committee Member, ASPS, 2012
Board of Appeals Panel Member for Plastic Surgery, ACGME, 2012
American Council of Academic Plastic Surgeons Active Member, 2011

Presentations
Massachusetts Chapter ACS, A Logical and Straight Forward Component Separation Technique for Ischial Pressure Sore Reconstruction, Boston, MA; December 2011
AAPS 2012, A Logical and Straight Forward Component Separation Technique for Ischial Pressure Sore Reconstruction, San Francisco, CA; April 2012

MAPS 2012, Indirect Diagnosis of Osteomyelitis; A Dilemma, Chicago, IL; April 2012

MAPS 2012, Near Fatal Complication following injection of Poly-L-Lactic acid (Sculptra), Chicago, IL; April 2012

Publications
Buck D. Lewis V.L. Jr... (2012) The incidence of methicillin-resistant staphylococcus aureus (MRSA) in pressure sores, Advances in Skin & Wound Care
Mary Beth Madonna, MD

Presentations

David Mahyl, MD

Honors/Awards
Elected Vice Chair of the American Board of Surgery’s Board of Directors, 2013-2014

Presentations
Time for change in Residency Training in GI Surgery. SAGES Annual Meeting 2012, San Francisco, CA

Publications

S. Chris Malaisrie, MD

Publications

James M. Mathew, PhD.

Honors/Awards
2011-To Date, Associate Editor, "ASHI Quarterly" 2012- To Date, Editorial Board Member, "ISRN - Transplantation" Presemtations

Publications
Ekong UD, Mathew JM, Melin-Aldana H, O’Gorman M, Miller J and Alonso EM. Regulatory T-Cell
Phenotyping with Successful Resolution of Inflammation in Rapamycin® Treated Post-Transplant Autoimmune Hepatitis. Pediatric Transplantation 16:165-175.


Patrick M. McCarthy, MD

Presentations

Overview of Cardiac Surgery. BCVI Medical Student Summer Lecture Series. Northwestern Uni-


BCVI Update and Strategic Plan. BCVI Advisory Council Meeting. Chicago, IL, July 2011.

Cardiac Surgery 2010: What Cardiology Fellows Need to Know. CVD Fellowship Core Curriculum for Cardiology Grand Rounds. Northwestern Uni-


Bluhm Cardiovascular Institute – Center Update. Northwestern Lake Forest Hospital Quarterly Staff Meeting. Lake Forest, IL, September 2011.

Tricuspid Valve Regurgitation: Should We Inter-


Mitril Valve Surgery in 2011. 33rd Annual Echo Northwestern 2011 Program. Northwestern Uni-

Cardiovascular Surgery – A 30,000’ Overview. Northwestern Lake Forest Symposium: An Update on Clinical Cardiology for the Internist, Lake For-

Percutaneous Mitral Valve Repair for Functional MR. Seventh Annual Heart Failure Holiday Sympo-

Northwestern University Feinberg School of Medicine. Chicago, IL, December 2011. Patients with Heart Failure Benefit from Surgical Revascularization: Pro. Debate. Adult Cardiac Session: Ischemic – Revascularization with Low Ejection Fraction. The Society of Thoracic Sur-
groves 48th Annual Meeting. Fort Lauderdale, FL, January 2012.

Atricure Update. Adult Cardiac Session: Arrhyth-mia. The Society of Thoracic Surgeons 48th Annu-
al Meeting. Fort Lauderdale, FL, January 2012.

Experience on Functional and Tricuspid Repair. Asian Heart Institute, Mumbai, India, February 2012.


Meet the Experts Session - Valve Surgery. 58th Annual Meeting of Indian Association of Cardiovascular & Thoracic Surgeons (IACTS) & The First Joint Workshop with European Association for Cardio-Thoracic Surgery (EACTS). Kolkata, India, February 2012.


Echocardiography in Assessment of Low Gradient Aortic Steno-


nual Joint Scientific Session of the Heart Valve Society of America (HVSA) and Society for Heart Valve Disease (SHVD) – Valves in the Heart of the Big Apple VII: Evaluation & Management of Val-
vular Heart Disease 2012. New York City, NY, April 2012. Pro: Percutaneous MV Therapies Should be restricted to patients not suitable for surgical re-
pair. PICS-AICS Pediatric and Adult Interventional Cardiac Symposium. Chicago, IL, April 2012.

Mitril VARC Definitions. Discussant. Mitril Valve Academic Research Consortium (MVARC) Meet-

Mitril Valve Repair Techniques. Cardiothoracic Surgery Residents/Mid-Level Providers Confer-
ence. Northwestern University Feinberg School of Medicine. Chicago, IL, June 2012.

Publications
McCarthy PM. Tricuspid valve repair technique. Operative techniques in thoracic and cardiovas-
cular surgery 2011;16(2):97-111.

Lee R, McCarthy PM, Passman RS, Kruse J, Malaisrie SC, McGee EC, Lapin B, Jacobson JT, Goldberger J, Knight BP. Surgical treatment for isolat-

Malaisrie SC, Carr J, Mikati I, Rigolin V, Yip BK, Lapin B, McCarthy PM. Cardiac magnetic resonance imaging is more diagnostic than 2-di-
dimensional echocardiography in determining the presence of bicuspid aortic valve. J Thorac Cardi-

Takeda K, Ahmad U, Malaisrie SC, Lee R, McCar-

Lee R, McCarthy PM, Passman RS, Kruse J, Malaisrie SC, McGee EC, Lapin B, Jacobson JT, Gold-

Malaisrie SC, Carr J, Mikati I, Rigolin V, Yip BK, Lapin B, McCarthy PM. Cardiac magnetic reso-
nance imaging is more diagnostic than 2-di-
dimensional echocardiography in determining the presence of bicuspid aortic valve. J Thorac Cardi-


Malaisrie SC, Lee R, Kruse J, Lapin B, Wang EC, Bonow RO, McCarthy PM. Atrial fibrillation ablation in patients undergoing aortic valve replace-

Markl M, Mikati I, Carr JC, McCarthy PM, Mal-
gy, Chicago, IL, June 16, 2012.

Publications

Mark D. Morasch, MD
Honors and Awards
Elected to membership in Southern Association for Vascular Surgery, 2011

Presentations
Invited Speaker, Can We Halt the Progression of AAA. Chicago EndoVascular Conference, Chicago, IL July 28-30, 2011.

Publications

Thomas A. Mustoe, MD
Publications

William H. Pearce, MD
Honors/Awards
U.S. News & World Report Top Doctors, 2011 (considered among the top 1% in the nation in his specialty)

Presentations

Publications

Marleta Reynolds, MD
Presentations
Introduction to ECMO & Pulmonary Hypertension, ECMO Course. Children’s Memorial Hospital, Chicago, IL October, 2011.
Publications

Heron E, Rodríguez MD
Honors/Awards
Named Associate Professor of Vascular Surgery, 2012
Appointed Associate Program Director for the Vascular Surgery Fellowship program, 2012

Presentations
Invited Speaker, Surgical Treatment of Femoral Popliteal Disease. 2011 SIR/LEARN meeting, Orlando FL, September 23, 2011.
Invited Speaker, Surgical Treatment of Critical Limb Ischemia. 2011 SIR/LEARN meeting, Orlando FL, September 24, 2011.
Invited Speaker, Aortitis bacreriana sin aneurismas: 10 anos de experiencia en manejoquirurgico. Presented at the XIII Conveccion de Cirujanos Vasculares de Habla Hispana, Granada, Spain, October 11, 2011.

Publications

David H. Rothstein, MD
Presentations

Publications

Steven J. Schwulst, MD
Honors/Awards
American Association for the Surgery of Trauma (AAST) Research Scholarship Award Winner

Publications

Nathaniel J. Soper, MD
Honors/Awards
Invited to membership on Advisory Board for Medicine™ Scholars Program at George Washington Medical Prep High School, Chicago, IL, 2011

Named Lecturer (Folsie/Birth/Sumner Visiting Professor) at Southern Illinois University, 2011

Named President-Elect for Central Surgical Association, 2012

Named Lecturer (Richard Catell Lecturer) Lahey Clinic Medical Center, 2012

Named Lecturer (Eugene M. Bricker Visiting Lecturer in Surgery) Washington University School of Medicine, 2012

Named Lecturer (Distinguished Visiting Professor in Laparoscopic Surgery), Loyola University Chicago, Stritch School of Medicine, 2012

Named in Guide to America’s Top Surgeons, 2012

Presentations
Invited Lecturer: UC Irvine Medical Center, Visiting Professor: “Minimally Invasive GI Surgery: Past, Present and (?) Future”, Irvine, CA September 29, 2011
Folse-Birth-Sumner Visiting Professor at University of Illinois at Springfield: “Minimally Invasive GI Surgery: Past, Present and (?) Future”, Springfield, IL, October 6, 2011
Invited Speaker: American College of Surgeons 97th Clinical Congress, Reduced-Port Laparoscopic Surgery, San Francisco, CA, October 25, 2011
Invited Speaker: American College of Surgeons 97th Clinical Congress, Bile Duct Ious during Laparoscopic Cholecystectomy, San Francisco, CA, October 26, 2011
Invited Lecturer: SAGES Foregut: Dysemotility from Mouth to Anus...Role of motility in the surgical management of GERD and Hiatal Hernias: What do I need to know and do?” San Diego, CA, March 7, 2012
Invited Speaker: SAGES Debate- Robotic Surgery: Hope or Hype? San Diego, CA, March 9, 2012
Invited Lecturer: Two decades of antireflux surgery”. What have we learned?”, 13th World Congress of Endoscopic Surgery, Puerto Vallarta, MX, April 26, 2012
Invited Lecturer: Laparoscopic Ultrasound”, 13th World Congress of Endoscopic Surgery, Puerto Vallarta, MX, April 26, 2012
Invited Lecturer: “Reoperations in achalasia”, 13th World Congress of Endoscopic Surgery, Puerto Vallarta, MX, April 27, 2012
Invited Educator: Meet the Professor Lunch “The Difficult Gallbladder: Tricks to get out of trouble”, SSAT, San Diego, CA, May 20, 2012

Publications

Presentations
Steven J, Striker, M.D.
Chicago Magazine’s Top Doctor Lecture Series, Gilda’s Club Chicago, Effective Measures to Reduce or Eliminate the Risk of Colorectal Cancer, Chicago, IL, November 9, 2011.

Cord Surgeon, MD
Presentations
ACS Postgraduate Course 20. Modern Evidence-Based Management of Thyroid Cancer. At 2011 ACS Clinical Congress. 24 October 2011.

Faculty Honors/Awards, Presentations & Publications

Richard M. Vazquez, MD

Presentations
SLS Masters Course. SLS Clinical Congress. Surgical Safety and Superior Outcomes: Why What is Currently in Place is Not Working, Los Angeles, CA, Sept 16, 2011.
SLS Masters Course. SLS Clinical Congress. Tales From the Dark Side: Examples of What’s Not Working, Los Angeles, CA, Sept 16, 2011.

Jeffrey D. Wayne, MD

Honors/Awards
Excellence in Teaching Award, Department of Surgery, Northwestern University Feinberg School of Medicine, 2012

Presentations

Publications

Jason A. Wertheim, MD, PhD

Honors/Awards
Northwestern Chemistry of Life Processes Institute Chairman’s Innovation Award Co-recipient with collaborator Dr. Guillermo Ameer (Dept. of Bioengineering, Northwestern) “Conferring thromboresistance to decellularized vascular grafts”
Northwestern Dixon Translational Research Grant—Young Investigator Award “Construction of engineered organs using human organ-specific progenitor cells”
Liver Scholar Award, American Association for the Study of Liver Disease (AASLD) and the American Liver Foundation (ALF). “Liver Tissue Engineering: Novel Methods for Organ Design and Animal Model Development.”

Publications

James S.T. Yao, MD

Presentations

Publications
Surgical Grand Rounds 2012-2013

Thursdays 7:00 A.M.-8:00 A.M.

12/13/2012
Chief Presentations
Drs. Tammy Kindel & Anna Kane
6th Floor, VC Room—Arkes Building

1/17/2013
State of the Department
Nathaniel J. Soper, MD
6th Floor, VC Room—Arkes Building

1/24/2013
Topic TBD
Robert Galiano, MD
6th Floor, VC Room—Arkes Building

2/14/2013
Chief Presentations
Drs. Seth Krantz & Amanda Hayman
6th Floor, VC Room—Arkes Building

2/21/2013
Research Residents
6th Floor, VC Room—Arkes Building

2/28/2013
Loyal Davis Lectureship
Michael Zinner, MD
Harvard Medical School
6th Floor, VC Room—Arkes Building

3/7/2013
Bergan Lectureship
Speaker TBD
6th Floor, VC Room—Arkes Building

3/21/2013
Trauma Systems: Progress and Challenges
Lewis Flint, MD
American College of Surgeons
6th Floor, VC Room—Arkes Building

3/28/2013
Traumatic Brain Injury-Induced Immune Suppression
Steven Schwulst, MD
6th Floor, VC Room—Arkes Building

4/4/2013
Faculty Meeting
6th Floor, VC Room—Arkes Building

4/11/2013
Mayo Lectureship
Jo Buyske, MD
American Board of Surgery
6th Floor, VC Room—Arkes Building

4/25/2013
Chief Presentations
Drs. Tim Lautz & Fernando Santos
6th Floor, VC Room—Arkes Building

5/16/2013
Shields Lectureship
Thomas A. D’Amico, MD
Duke University
6th Floor, VC Room—Arkes Building

5/23/2013
Topic TBD
Michael McGee, MD
6th Floor, VC Room—Arkes Building

5/30/2013
Topic TBD
Jason Wertheim, MD, PhD
6th Floor, VC Room—Arkes Building

Save the Date

The 2013 Edelstone-Bendix Resident Research Day and Faculty Mini-Retreat will be held on June 21, 2013