Greetings from the Department of Surgery within Northwestern Medicine! Much has taken place at our institution and within the department since my last communication a year ago. Probably the most significant development has been the process that will ultimately lead to clinical integration of our medical center. For years we have had a fragmented delivery system, with the medical school, hospital and full-time physicians’ group each being independently functioning not-for-profit organizations. Although interdependent entities, our disparate organizational structures significantly hampered the exchange of resources, conjoint operations and the ability to move nimbly in a unified fashion. Despite these limitations, several years ago we collectively began thinking of ourselves as ‘Northwestern Medicine’ and developed health center-wide strategies and goals. It became apparent, however, that the changing local and national healthcare landscape would not lend itself to long-term success by a fragmented organization. It appears that the ability to move quickly, to grow, and to be able to develop bundled, value-based health delivery organizations will be necessary to succeed over the coming months and years.

Thus was born a plan to integrate the full-time academic physicians with the clinical healthcare system. Built upon a funds-flow model to assure adequate clinical profits being made available to the medical school to support academic activities, the plan will join our physicians and their hospital at the hip. After months developing the plan and educating the physicians, all of the relevant boards approved the transaction, which became effective on Sept. 1, 2013. This, then, is the reincarnation of Northwestern Medicine, in a form that can better weather the challenges facing us. As part of the integration, members of the full-time faculty and the hospital’s primary care providers comprise a new entity within the healthcare corporation, the Northwestern Medical Group (NMG). David Mahvi, M.D., Vice-Chair for Clinical Affairs and Chief of the Division of GI/Oncologic Surgery, has been named the President of NMG. He will maintain an active clinical practice in hepatobiliary-pancreatic surgery and continue to mentor the junior faculty in his group during the transitional period.
In the strategic goals developed several years ago to develop a truly great academic medical center, one of our aspirations was to be recognized as 'Top 10 by 2020', both in U.S. News & World Report hospital rankings and in markedly increased research funding. This summer-- only 3 or 4 years into our campus-wide planning process-- Northwestern Memorial Hospital was ranked #6 in the U.S., the only hospital in Illinois named to the Honor Role and a jump of 6 spots in the ranking from the prior year. Department of Surgery faculty members play a major role in our recognition as a top healthcare destination. Several specialties in which surgeons are integral to patient care made major jumps in the rankings. Gastrointestinal medicine and surgery is now ranked #10 nationally, cardiology and cardiac surgery is now ranked #12, and oncology is now ranked #14. Northwestern Medicine has a definite upward trajectory, and clinical integration should only accelerate the trend!

The departmental review that follows highlights the progress we've made over the past year in fulfilling our research, education and clinical missions. The impact that the department has on Northwestern Medicine is significant, and would be impossible without all of the hard work put in by our faculty and staff. Our clinical practice is growing and expanding to sites outside of Streeterville. We also recently brought on board a thoracic surgeon, Ankit Bharat, M.D., to initiate a program in lung transplantation, the only solid organ transplant not currently being performed at Northwestern. Our surgeons maintain their involvement in cutting-edge, innovative surgical procedures. The research portfolio continues to grow, with major new funding in health services research, nanotechnology and bioartificial organs. These research programs depend upon collaboration with members of other schools and departments at Northwestern University. The educational program remains strong and vibrant, both for undergraduate and graduate training. The chief residents who graduated in July have all entered subspecialty fellowships at outstanding institutions around the country.

I encourage you to read the following newsletter that details these happenings in the Department of Surgery. I am humbled to lead this strong program, and feel assured that we will continue to succeed in this time of transition. The mission statement of the Department—“Safer Surgery Today, Better Surgery Tomorrow”—will continue to guide all that we do.

I hope that you enjoy this 2013 edition of the Surgical Scope.

Respectfully yours,

Nathaniel J. Soper, M.D., FACS
Loyal and Edith Davis Professor and Chair
Department of Surgery
Northwestern University, Feinberg School of Medicine
Dr. John Mann Beal

Dr. John Mann Beal, Professor and Chairman of the Department of Surgery from 1963 to 1982, died in Valdosta, GA on June 3, 2013.

Tall and slender, Dr. Beal was elegant in his bearing, but reserved and modest in his demeanor. His passion was teaching medical students and residents, for whom he had respect and affection. He treated the departmental staff with deference and kindness.

Dr. Beal, with Dean Eckenhoff and several other chairmen and leaders at Northwestern, worked together to create an environment in which academic activity could flourish. They pushed for the merger of Passavant and Wesley hospitals to form Northwestern Memorial Hospital, giving the medical school and its faculty and students an authentic university hospital. Dr. Beal consolidated the separate surgical residency programs of Northwestern’s affiliated hospitals to form the present program. He also was a leader in establishing the Northwestern Medical Faculty Foundation, which led to the development of a full-time faculty and provides funds for academic activities.

Dr. Beal received his undergraduate and medical degrees from the University of Chicago and served his surgical residency at the New York Hospital-Cornell Medical Center.

Prior to succeeding Loyal Davis as chairman at Northwestern, he went through the professorial ranks at UCLA and the New York Hospital-Cornell Medical Center. He was active in many surgical organizations, and served as a regent, chairman of the board of regents, and president of the American College of Surgeons. Dr. Beal was a director and chairman of the American Board of Surgery, and chaired the Surgery B Study Section of the NIH. He also was president of the Chicago Surgical Society and the Central Surgical Association, and held offices in several other organizations.

Dr. Beal will be remembered as a kind and gentle man, given to modesty and thoughtfulness. His contributions to Northwestern and the Department of Surgery continue to foster academic and clinical excellence.

Written by:
David Nahrwold, MD
Emeritus Professor of Surgery
Loyal and Edith Davis Professor and Former Chair
Department of Surgery
Northwestern University
Feinberg School of Medicine
The photo above was taken at the 98th Annual American College of Surgeons Clinical Congress during our Joint Chicago Reception. The house “rocked” with faculty, alumni, residents and guests representing Northwestern Medicine, the University of Chicago, Rush University Medical Center, Loyola University Health System and UIC/Metropolitan Group Hospitals. We look forward to seeing everyone at the upcoming reception at the ACS clinical congress. Our joint reception will be Monday, October 7th, 2013, from 6pm to 8pm, in the Marriott Balcony A room at the Marriott Wardman Park Hotel.
The Department of Surgery had a successful year in research in 2013. From September 2012 thru mid-August 2013, a total of 149 proposals were submitted with an estimated value of $88.5M. Of these proposals, 51 were federal, valued at $73.4M and 98 were non-federal, valued at $15.1M in total costs.

In terms of awards, 61 projects have been awarded over the same period, with a total value of $11.5M.

Although surpassed by the University of Chicago last year, the Department of Surgery at Northwestern has proven to be a strong competitor in NIH rankings, both locally as well as nationally. Holding a spot in the top 20 since 2009, the research enterprise in the Department of Surgery has continued to prove a force to be reckoned with.

As part of Edelstone-Bendix Day, awards were given to residents participating in research. We would like to congratulate the 2013 Kanavel Surgical Scholars Awardees:

- Ashley Hardy
- Jessica Naiditch
- Joseph Phillips
- Akhil Seth

New Faculty

The Department of Surgery welcomes three new research focused faculty: Ankit Bharat, Karen Ho and Susan Clare. Dr. Bharat is an Assistant Professor in Thoracic Surgery with an interest in lung transplantation. Dr. Karen Ho is an Assistant Professor in Vascular Surgery whose research focus is on chronic kidney disease and neointimal hyperplasia. Dr. Susan Clare rejoins the Department of Surgery as Research Associate Professor. Dr. Clare is an active investigator in breast cancer nanotechnology research.

NIH Rankings of Local AMC Surgery Departments

WELCOME

The Department of Surgery would also like to welcome the addition of Irene Helenoswski. Irene joined the Department this past year and has been working with us part-time providing biostatistical support. Her primary appointment is within the Department of Preventive Medicine. She is a member of Feinberg School of Medicine’s Biostatistics Collaboration Center as well as the Biostatistics Core Facility of the Robert H. Lurie Comprehensive Cancer Center. Irene holds a Master’s of Science in Statistics from the University of Wisconsin and a PhD in Biostatistics from UIC. Irene comes to us with a strong research background and numerous publications.
## BREATHE SURGERY

<table>
<thead>
<tr>
<th>PI</th>
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<th>SPONSOR</th>
<th>BUDGET PERIOD</th>
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<tbody>
<tr>
<td>Jeruss</td>
<td>Synergistic Action of Carboplatin/Eribulin in Combination with CDK Inhibitor Therapy for the Treatment of Triple Negative Cancer</td>
<td>SSO (Komen Breast Cancer Foundation)</td>
<td>10/1/2012 - 9/30/13</td>
<td>$50,000</td>
</tr>
<tr>
<td>Khan</td>
<td>Hormone Receptor-Specific Cancer Risk Biomarkers in Benign Breast</td>
<td>Komen Breast Cancer Foundation</td>
<td>9/19/2012 - 9/18/13</td>
<td>$227,121</td>
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<tr>
<td>Khan</td>
<td>Pre-clinical and clinical studies of breast cancer prevention with transdermal anti-progestosterone agents</td>
<td>Breast Cancer Research Foundation</td>
<td>10/1/2012 - 9/30/13</td>
<td>$240,000</td>
</tr>
<tr>
<td>Jeruss</td>
<td>Measuring Signaling Pathway Dynamics During Tissue Growth in Hydrogels</td>
<td>NIH</td>
<td>9/10/2012 - 6/30/16</td>
<td>$377,125</td>
</tr>
<tr>
<td>Khan</td>
<td>Protein Expression of RANKL in Benign Breast Tissues During the Menstrual Cycle and in Pregnancy-Associated Breast Tumor Tissues</td>
<td>Amgen, Inc.</td>
<td>12/3/2012 - 12/3/2014</td>
<td>$191,924</td>
</tr>
<tr>
<td>Jeruss</td>
<td>Impact of Pin1 and CDK Inhibition in Triple Negative Breast Cancer Migration</td>
<td>NMF Lynn Sage</td>
<td>9/1/2013 - 8/31/2014</td>
<td>$50,000</td>
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<tr>
<td>Khan</td>
<td>Molecular Markers for Predicting Progression to Invasive Cancer</td>
<td>Avon Products Foundation, Inc.</td>
<td>1/1/2012 - 12/31/2013</td>
<td>$60,000</td>
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<tr>
<td>Khan</td>
<td>Prot # NU12B09: Presurgical Phase IIB Trial of Oral CDB-4124 vs. Placebo in Women with Stage I-III Primary Breast Cancer</td>
<td>Repros Therapeutics, Inc.</td>
<td>3/13/2013 - 3/13/2016</td>
<td>$298,782</td>
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## CARDIAC SURGERY

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<tbody>
<tr>
<td>McCarthy</td>
<td>Prot #CP2011-01: ABLATE PAS: AtriCure Synergy Ablation Lesions for Non-Paroxysmal Forms of Atrial Fibrillation Treatment During Concomitant On-Pump Endo-Epicardial Cardiac Surgery</td>
<td>AtriCure, Inc.</td>
<td>11/27/2012 - 11/27/2015</td>
<td>$41,500</td>
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## BCVI CLINICAL TRIALS UNIT

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<tbody>
<tr>
<td>McGee, E</td>
<td>Clinical Outcomes Assessment of the MitraClip Percutaneous Therapy for High Surgical Risk Patients (The COAPT Trial): A Clinical Evaluation of the Safety</td>
<td>Evalve, Inc</td>
<td>10/10/2012 - 10/10/2015</td>
<td>$463,626</td>
</tr>
<tr>
<td>McCarthy</td>
<td>Prot #2011-02: Multi-Center Experience with the Rapid Deployment Edwards Intuity Valve System for Aortic Valve Replacement (TRANSFORM Trial)</td>
<td>Edwards Lifesciences Corp.</td>
<td>11/15/2012 - 11/15/2017</td>
<td>$602,580</td>
</tr>
<tr>
<td>McGee, E</td>
<td>Study No. HW-PAS-03: A Multi Center, Post Approval Study Providing Continued Evaluation and Follow-up on Patients who Received a HeartWare Ventricular Assist System During IDE Trials for the Treatment of Advanced Heart Failure</td>
<td>HeartWare, Inc.</td>
<td>1/18/2013 - 1/18/2016</td>
<td>$31,792</td>
</tr>
<tr>
<td>Knight</td>
<td>Acute Multi-Signal Data Collection Study (AMSD Study)</td>
<td>Medtronic, Inc.</td>
<td>1/29/2013 - 1/29/2016</td>
<td>$14,975</td>
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<tr>
<td>Knight</td>
<td>5-ICD System Post Approval Study (5-ICD PAS)</td>
<td>Cameron Health, Inc.</td>
<td>3/15/2013 - 3/15/2016</td>
<td>$1,131,336</td>
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<tr>
<td>Hoel</td>
<td>Developing a Survey Instrument for Patients with Abdominal Aortic Aneurysm (AAA)</td>
<td>NHLBI (via Dartmouth College)</td>
<td>1/1/2013 - 7/31/2013</td>
<td>$4,000</td>
</tr>
<tr>
<td>Lin</td>
<td>IDE: G120213: Attain Performa Quadrripolar Lead Clinical Study</td>
<td>Medtronic, Inc.</td>
<td>5/13/2013 - 5/13/2016</td>
<td>$141,000</td>
</tr>
<tr>
<td>Eskandari</td>
<td>Prot # D5135C00001: A Randomised, Double-blind, Parallel group, Multicentre Phase IIIb study to Compare Ticagrelor with Clopidogrel Treatment on the Risk of Cardiovascular Death, Myocardial Infarction and Ischaemic Stroke in Patients with Established Peripheral Artery Disease (EUCLID) - Examining Use of ticagrelor in pad</td>
<td>Astra Zeneca LP (via Duke Clinical Research Institute)</td>
<td>5/24/2013 - 5/24/2016</td>
<td>$139,255</td>
</tr>
<tr>
<td>Knight</td>
<td>ProMRF Study</td>
<td>BIOTRONIK, Inc.</td>
<td>6/13/2013 - 6/13/2018</td>
<td>$61,178</td>
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<tr>
<td>Passman</td>
<td>Implantable Monitor-Guided Anticoagulation for Non-Permanent Atrial Fibrillation</td>
<td>NHLBI</td>
<td>7/1/2013 - 6/30/2014</td>
<td>$335,581</td>
</tr>
<tr>
<td>Passman</td>
<td>TACTIC-AF (Tailored Anticoagulation for Non-Continuous Atrial Fibrillation) Pilot Study</td>
<td>St. Jude Medical Cardiac Rhythm Management Division</td>
<td>6/14/2013 - 6/14/2016</td>
<td>$23,495</td>
</tr>
</tbody>
</table>
# Department of Surgery Newly Funded Projects

## GI/ONCOLOGIC SURGERY

<table>
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<tr>
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<tbody>
<tr>
<td>Mahvi</td>
<td>The Nuvention Fellowship</td>
<td>Cook Medical Incorporated</td>
<td>10/1/2012 - 9/30/13</td>
<td>$15,000</td>
</tr>
<tr>
<td>Mahvi</td>
<td>Development of an Expandable Radiofrequency Ablation Probe for Breast Cancer Treatment</td>
<td>NCIIA</td>
<td>4/1/2013 - 12/31/2013</td>
<td>$5,000</td>
</tr>
<tr>
<td>Bilimoria</td>
<td>Sentinel Lymph Node Positivity Rates for Breast Cancer and Melanoma: an Opportunity to Improve Quality and Enhance the NCCN Guidelines</td>
<td>NCCN</td>
<td>8/1/2013 - 7/31/2015</td>
<td>$150,000</td>
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<tr>
<td>Bilimoria</td>
<td>New Approach to Measuring and Improving Surgical Cancer Quality</td>
<td>ACS IL</td>
<td>7/1/2013 - 6/30/2015</td>
<td>$250,000</td>
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## PLASTIC SURGERY

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<tbody>
<tr>
<td>Galiano</td>
<td>Antibacterial Surgical Sealants for Enhanced Healing of Biofilm-Infected Wounds</td>
<td>NMF Dixon</td>
<td>1/1/2013 - 12/31/13</td>
<td>$50,000</td>
</tr>
<tr>
<td>Kapp-Simon</td>
<td>Craniofacial Microsomia: Longitudinal Outcomes in Children pre-Kindergarten (CLOCK)</td>
<td>NIDCR</td>
<td>9/1/2012 - 8/31/2013</td>
<td>$299,307</td>
</tr>
<tr>
<td>Galiano</td>
<td>Prot# 802-247-09-031: A Phase 3 Randomized, Double Blind, Vehicle Controlled Study Investigating the Safety and Efficacy of HP802-247 in the Treatment of Venous Leg Ulcers &gt;12 cm2 to &lt;36 cm2</td>
<td>Healthpoint, Ltd.</td>
<td>11/9/2012 - 11/9/2015</td>
<td>$143,690</td>
</tr>
<tr>
<td>Kim</td>
<td>Prot #100-12-0001: A Prospective, Multi-Center, Randomized, Open Label Controlled Trial Using a Dissolved Oxygen Enriched Dressing in Nipple-sparing Mastectomy</td>
<td>Kimberly-Clark Corporation</td>
<td>11/13/2012 - 11/13/2015</td>
<td>$47,168</td>
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<tr>
<td>Kim</td>
<td>Outcomes Associated with the use of (Flex-HD9r) Plable™ Human Acellular Dermis, in Assisted Tissue Expander Breast Reconstruction: A Multi-Center Prospective Study</td>
<td>Musculoskeletal Transplant Foundation, Inc.</td>
<td>6/17/2013 - 12/31/2015</td>
<td>$435,500</td>
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<tr>
<td>Mustoe</td>
<td>Rho Kinase Inhibitor AR-12286 as a Potential Anti-Scarring Agent in Rabbit Ear Model</td>
<td>Aerie Pharmaceuticals, Inc.</td>
<td>11/30/2012 - 11/30/2015</td>
<td>$50,491</td>
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## VASCULAR SURGERY

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<tr>
<td>Kibbe</td>
<td>A Novel Therapy to Treat Atherosclerosis</td>
<td>NMF Dixon</td>
<td>1/1/2013 - 12/31/13</td>
<td>$50,000</td>
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<tr>
<td>Kibbe</td>
<td>The Modulation of SCA-1 Stem cells by Nitric Oxide in a Diabetic Mouse Model</td>
<td>American Medical Association Foundation</td>
<td>3/1/2013 - 2/28/2014</td>
<td>$2,500</td>
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<tr>
<td>Kibbe</td>
<td>Development of a Targeted Therapy to Prevent Restenosis following Cardiovascular Interventions</td>
<td>AHA Midwest, Inc</td>
<td>7/1/2013 - 6/30/2015</td>
<td>$98,476</td>
</tr>
<tr>
<td>Eskandari</td>
<td>Vascular Surgery Fellowship Program Grant 2013-2014</td>
<td>Boston Scientific Foundation</td>
<td>7/1/2013 - 6/30/2014</td>
<td>$20,000</td>
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<tr>
<td>Kibbe</td>
<td>Preclinical Investigation of a Bioengineered Vascular Graft</td>
<td>NIBIB</td>
<td>8/15/2013 - 7/31/2017</td>
<td>$1,715,625</td>
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<tr>
<td>Lloyd-Jones</td>
<td>Postdoc NRSA fellowship for Lisa VanWagner in support of: Derivation and Validation of a Cardiac Risk Index in Liver Transplantation</td>
<td>NHLBI</td>
<td>9/1/2012 - 8/31/2013</td>
<td>$62,234</td>
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<tr>
<td>Leventhal</td>
<td>Expansion of Facilitating Cells to Enhance Graft Tolerance</td>
<td>NMF</td>
<td>9/1/2012 - 8/31/2013</td>
<td>$30,000</td>
</tr>
<tr>
<td>Levitsky</td>
<td>Delayed Chimerism Induction in Liver Transplants with Bioengineered Marrow Cells</td>
<td>NMF</td>
<td>1/1/2013 - 12/31/2013</td>
<td>$50,000</td>
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<tr>
<td>Zhang</td>
<td>Pilot Study using a mouse model of kidney transplantation</td>
<td>University of Pittsburgh</td>
<td>12/1/2012 - 2/1/2013</td>
<td>$4,611</td>
</tr>
<tr>
<td>Wertheim</td>
<td>Development of a Humanized Liver in a Rodent Model of Auxiliary Liver Transplantation</td>
<td>Society for Surgery of the Alimentary Tract, Inc.</td>
<td>7/1/2013 - 6/30/2014</td>
<td>$100,000</td>
</tr>
<tr>
<td>Jie</td>
<td>Resubmission: Mechanisms of Fas Ligand Control of Insulitis Initiation in Autoimmune Diabetes</td>
<td>Johns Hopkins University (NIH)</td>
<td>12/1/2012 - 11/30/2017</td>
<td>$52,573</td>
</tr>
<tr>
<td>Ho</td>
<td>Study of Patients Status-Post Kidney Transplant: Study of the Impact of Valganciclovir Prophylaxis to Prevent CMV Disease on the Incidence of Neutropenia in the Short-Term and Study of Longer-Term Outcomes</td>
<td>Anolinx LLC</td>
<td>9/7/2012 - 9/7/2015</td>
<td>$130,540</td>
</tr>
<tr>
<td>Ison</td>
<td>Prot #1263-202: A Phase 2, Randomized Study to Assess the Safety and Anti-Cytomegalovirus (CMV) Activity of Different Doses of Maribavir for Treatment of CMV Infections That Are Resistant or Refractory to Treatment with Ganciclovir/Vaginclovir or Foscarnet in Transplant Recipients</td>
<td>ViroPharma Incorporated</td>
<td>10/2/2012 - 7/31/2015</td>
<td>$213,935</td>
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<tr>
<td>Ison</td>
<td>Protocol #FLU-EPI-001: Prospective Study to Evaluate Viral Shedding Patterns and Clinical Outcomes of Hospitalized Adult Influenza Patients</td>
<td>Crucell Holland B.V.</td>
<td>1/7/2013 - 12/31/2013</td>
<td>$173,231</td>
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<tr>
<td>Leventhal</td>
<td>Delayed Tolerance in Recipients of Living Kidney Allografts by Donor Stem Cell Infusion</td>
<td>Kentucky Science and Technology Corp.</td>
<td>10/19/2012 - 10/19/2015</td>
<td>$97,182</td>
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<tr>
<td>Levitsky</td>
<td>Protocol #CRA0001AUSNC10T: The Effects of Everolimus with and without Tacrolimus and Mycophenolic Acid on Donor-Specific Tregs in the Treg-MLR</td>
<td>Novartis Pharmaceuticals Corp.</td>
<td>1/11/2013 - 6/30/2014</td>
<td>$219,162</td>
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<tr>
<td>Levitsky</td>
<td>Prot # M12-999: Open-Label, Single Arm, Phase 2 Study to Evaluate the Safety and Efficacy of the Combination of ABT-450/ritonavir/ABT-267 (ABT-450/r/ABT-267) and ABT-333 Coadministered with Ribavirin (RBV) in Adult Liver Transplant Recipients with Genotype 1 Hepatitis C Virus (HCV) Infection</td>
<td>AbbVie Inc.</td>
<td>4/15/2013 - 4/15/2016</td>
<td>$321,651</td>
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<tr>
<td>Levitsky</td>
<td>RFHE4043: A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial to Evaluate the Efficacy, Safety and Pharmacokinetics of Rifaximin 550mg in Subjects with Sever Hepatic Impairment and Overt Hepatic Encephalopathy</td>
<td>Salix Pharmaceuticals, Inc.</td>
<td>3/12/2013 - 12/31/2015</td>
<td>$154,755</td>
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<tr>
<td>Levitsky</td>
<td>RFHE4043PK: A Sub-study to Evaluate the Pharmacokinetics of Rifaximin in Subjects with Sever Hepatic Impairment and Overt Hepatic Encephalopathy</td>
<td>Salix Pharmaceuticals, Inc.</td>
<td>5/3/2013 - 5/3/2016</td>
<td>$40,370</td>
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<tr>
<td>Bilimoria</td>
<td>Engaging Patients and Hospitals to Expand Public Reporting in Surgery I.H.S. Department</td>
<td>AHRQ</td>
<td>9/30/2012 - 8/31/2015</td>
<td>$938,011</td>
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Total Awards Processed $11,516,964

(September 1, 2012-August 15, 2013)
The title says it all; or more correctly, it does to Karl Bilimoria, MD, MS. When talking to Dr. Bilimoria it takes only a moment to see his passion to make a difference in the lives of patients by focusing on measuring and improving the quality of surgical care locally and nationally.

Dr. Bilimoria was at the NIH in medical school performing basic science research in a prominent lab, and while he feels it helped him immensely, he wanted to find a way to have a more immediate and meaningful impact on patient care. Eventually he explored opportunities in outcomes and quality improvement research while a resident at Northwestern, and he was able to create a position for himself as the first American College of Surgeons (ACS) Clinical Scholar in Residence. During his two years at the College, Karl performed numerous studies focused on examining and improving the delivery of care for surgical and oncology patients. His work on the ACS NSQIP® and National Cancer Data Base has propelled him to the forefront of finding new options to measure hospital surgical quality, develop new initiatives for safety, and ultimately to foster positive changes to national policy around healthcare safety and quality.

When Dr. Bilimoria was recruited back to Northwestern University’s Department of Surgery in 2011, he began the process of building the infrastructure and then the direction for his research group, the Surgical Outcomes and Quality Improvement Center. The quality of their efforts is reflected in the interest that has been generated both locally and nationally as this group has very quickly developed a well-respected local and national reputation. The group has three major missions: Better Measures, Better Levers, and Better Evidence, and they accomplish this through cutting edge outcomes and health services research, collaborating on practical quality improvement initiatives with the hospital and working with the ACS on national quality programs.

Some of Dr. Bilimoria’s current research is focused on examining whether venous thromboembolism is an appropriate measure of quality, whether state malpractice environment affects the quality and cost of healthcare provided, and examining the effectiveness of national cancer policy and payment initiatives. He is working to define new quality metrics that will help patients who are searching for a hospital and surgeon for upcoming surgery. He is currently working with the hospital on a number of initiatives, particularly focusing on initiatives to reduce blood clots after surgery. He is the Surgeon Champion for ACS NSQIP at Northwestern and is heavily involved in the department’s quality improvement initiatives. He also leads a quality improvement educational program for surgical residents and is currently mentoring 5 research fellows. Dr. Bilimoria organized an Outcomes Research Course for faculty on September 19, 2013 that focused on the basics of outcomes research and allowed participants to vet research ideas with the experienced course faculty. Finally, he has several ongoing initiatives at the American College of Surgeons including leading the development of the ACS NSQIP Surgical Risk Calculator, leading the Oncology NSQIP Consortium, and many other efforts to enhance the ACS surgical quality improvement programs. His research is currently supported by the Agency for Healthcare Research and Quality, the American Cancer Society, the National Comprehensive Cancer Network, and the American College of Surgeons.

Surgical outcomes and quality improvement research is truly at the cutting edge of surgical care, quality, and policy, and Dr. Bilimoria is leading Northwestern to the forefront of this field through research, local quality improvement initiatives, and national surgical quality innovation.
Medical Student Programs

The FSM class of 2013 included eight students who matched into general surgery programs, including Northwestern, Yale, Emory and UCLA. An additional thirty-four students from the class of 2013 matched into surgical sub-specialties.

Congratulations to Candace Gragnani for winning the 2012 Julius Conn Award! The Julius Conn Award is given annually to the highest achieving surgery clerkship student based upon academic performance and professionalism.

Dr. Corcoran and Dr. Halverson traveled to the 2013 ASE Conference in Orlando to present their investigation on the effectiveness of a formative midterm exam at predicting “at risk” clerkship students. Drs. Corcoran and Halverson concluded that the addition of a formative midterm exam with clinical performance appraisals provided a sensitive and specific indicator of a clerkship student’s ability to meet a passing score.

Resident Programs*

A team from the Department of Surgery, including Drs. Debra DaRosa, Jonathan Fryer, Eric Hungness, Shari Meyer-son, Nat Soper, and Ezra Teitelbaum, along with staff member, Mary Schuller, Surgical Education Fellow, Dr. Brian George, and University of Kentucky Medical School faculty member, Dr. Jay Zwischenberger, created and designed an innovative mobile phone-based system to assess resident autonomy and supervision in the operative room. Known as PASS, Procedural Autonomy and Supervision System, faculty who just completed a case with a trainee are text prompted to assess the level of autonomy that the trainee demonstrated and the complexity of the case. Development of the system, which has been used since early 2013, was supported by a State of Illinois Excellence in Academic Medicine grant. The next version of PASS will be a native iOS application and will allow faculty to see a graph of a resident’s previous clinical performance prior to operating with the resident. In this way faculty can tailor teaching to the level of the learner. Faculty can also leave dictated feedback for the residents to review. The iOS system will be piloted in September 2013.

Department of Surgery Welcome Picnic

The Department of Surgery hosts an annual picnic in celebration of incoming residents and fellows featuring games, food and fun! This year’s event was held on Saturday, July 13 at Lake Shore Park. Pictured above are the winners of this year’s softball tournament. Congratulations to our softball champions and to all incoming trainees!

*Additional residency and fellowship educational updates are described in the corresponding division sections.
Edelstone-Bendix Resident’s Day 2013

The 2013 Edelstone-Bendix Residents’ Day was held on Friday, June 21st, 2013. This annual event featured presentations by residents and fellows, showcasing their outstanding work in both clinical and basic science research. The guest lecturer this year was Michael W. Mulholland, MD, PhD, Frederick A. Coller Distinguished Professor and Chair of the Department of Surgery at the University of Michigan. Dr. Mulholland also served as a guest judge for the chief resident research presentations. Edelstone-Bendix Day concluded with the graduation dinner held at the Ritz-Carlton Hotel where members of the Department of Surgery’s faculty, fellows and residents gathered to honor our graduates.

A number of awards were presented to fellows and residents for outstanding performance. The 2013 Alan B. Kanaval Surgical Scholar Award is awarded for exceptional accomplishments achieved in the research laboratory. This year’s awardees were Drs. Ashley Hardy, Jessica Naiditch, Joseph Phillips and Akhil Seth. Each scholar was given the opportunity to present their research and all received a monetary prize.

There were three open competitions for excellence in research. The winners presented their research and received a monetary prize for winning in their respective categories:

- Fellow Open Competition: Melissa Lazar, M.D.
- Resident Clinical Research Competition: Mila Ju, M.D.
- Resident Basic Science Competition: Jill Richman Streams, M.D.

The chief resident presentation award, which was based on the graduating general surgery residents’ Edelstone-Bendix Residents’ Day presentations, was awarded to B. Fernando Santos, M.D.

We congratulate the following 2013 Department of Surgery graduates who were recognized at Edelstone-Bendix Day:

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breast Surgery:</td>
<td>Melissa Lazar, MD &amp; Denise Monahan, MD</td>
</tr>
<tr>
<td>General Surgery:</td>
<td>Amanda Hayman, MD, Seth Krantz, MD, Anna Kane Higham, MD, Timothy Lautz, MD, Tammy Kindel, MD, PhD, B. Fernando Santos, MD</td>
</tr>
<tr>
<td>Pediatric Surgery:</td>
<td>Loren Berman, MD</td>
</tr>
<tr>
<td>Pediatric Surgical Critical Care:</td>
<td>Sifrance Tran, MD</td>
</tr>
<tr>
<td>Surgical Critical Care:</td>
<td>John Whitehead, DO</td>
</tr>
<tr>
<td>Transplant Surgery:</td>
<td>Sunny Fink, MD &amp; Ramanathan Seshadri, MD</td>
</tr>
<tr>
<td>Vascular Surgery:</td>
<td>Suman Annambhotla, MD &amp; Marlon Lee, MD</td>
</tr>
</tbody>
</table>

From left to right:
Jonathan Fryer, MD
Seth Krantz, MD
Amanda Hayman, MD
Timothy Lautz, MD
Anna Kane Higham, MD
B. Fernando Santos, MD
Tammy Kindel, MD
Nathaniel Soper, MD
Fellow as Teacher and Resident as Teacher awards are bestowed onto those Department of Surgery trainees 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 Dept of Surgery education-related activities and reporting systems.

The following individuals were recipients of the 2013 Resident as Teacher Award:

<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christina Minami, MD</td>
<td>PGY-2</td>
</tr>
<tr>
<td>Dustin Yoon, MD</td>
<td>PGY-2</td>
</tr>
<tr>
<td>Chad Purnell, MD</td>
<td>PGY-3</td>
</tr>
<tr>
<td>Carlie Kennedy, MD</td>
<td>PGY-3</td>
</tr>
<tr>
<td>Ravi Rajaram, MD</td>
<td>PGY-3</td>
</tr>
<tr>
<td>Amanda Hayman, MD</td>
<td>PGY-5</td>
</tr>
</tbody>
</table>

The following individuals were recipients of the 2013 Fellow as Teacher Award:

<table>
<thead>
<tr>
<th>Name</th>
<th>Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suman Annambhotla, MD</td>
<td>Vascular Surgery</td>
</tr>
<tr>
<td>Marlon Lee, MD</td>
<td>Vascular Surgery</td>
</tr>
<tr>
<td>Hari Kumar, MD</td>
<td>Vascular Surgery</td>
</tr>
<tr>
<td>Sunny Fink, MD</td>
<td>Transplant Surgery</td>
</tr>
<tr>
<td>Felicitas Koller, MD</td>
<td>Transplant Surgery</td>
</tr>
<tr>
<td>Loren Berman, MD</td>
<td>Pediatric Surgery</td>
</tr>
<tr>
<td>Sifrance Tran, MD</td>
<td>Pediatric Surgical Critical Care</td>
</tr>
</tbody>
</table>

Of special note, this is the third time Amanda Hayman has received the Resident as Teacher Award.

An award was presented to the two 2012-2013 General Surgery Administrative Chief residents for their leadership and commitment to the general surgery residents. Drs. Amanda Hayman and Tammy Kindel received engraved crystal awards in recognition of their hard work and dedication.

The Harold L. Method Award is presented to the chief general surgery resident who exhibits “outstanding performance for surgical skill, empathy, and understanding towards 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 administrative suite. This year, the recipient of the Method Award was Amanda Hayman, M.D.

Congratulations to all of our award winners!
The “Excellence in Teaching” awards recognize faculty members who excel at supporting resident and medical student learning. We are grateful to these faculty members for their efforts in distinguishing themselves as outstanding teachers.

The 2012-2013 Excellence in Teaching award winners are:

<table>
<thead>
<tr>
<th>Faculty Name</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Bentrem</td>
<td>Cardiac Surgery</td>
</tr>
<tr>
<td>Nabil Issa*</td>
<td></td>
</tr>
<tr>
<td>Michael McGee</td>
<td></td>
</tr>
<tr>
<td>Kevin Bethke*</td>
<td>Plastic Surgery</td>
</tr>
<tr>
<td>Jacqueline Jeruss</td>
<td></td>
</tr>
<tr>
<td>Shari Meyerson</td>
<td></td>
</tr>
<tr>
<td>Marie Crandall*</td>
<td>Thoracic Surgery</td>
</tr>
<tr>
<td>Melina Kibbe*</td>
<td></td>
</tr>
<tr>
<td>William Pearce*</td>
<td></td>
</tr>
<tr>
<td>Amy Halverson</td>
<td>General Surgery</td>
</tr>
<tr>
<td>David Mahvi</td>
<td></td>
</tr>
<tr>
<td>Hyde Russell</td>
<td></td>
</tr>
<tr>
<td>Nora Hansen</td>
<td>Preliminary Surgery</td>
</tr>
<tr>
<td>S. Chris Malaisrie</td>
<td></td>
</tr>
<tr>
<td>Michael Shapiro*</td>
<td></td>
</tr>
<tr>
<td>Andrew Hoel</td>
<td>Vascular Surgery</td>
</tr>
<tr>
<td>Patrick McCarthy</td>
<td></td>
</tr>
<tr>
<td>Nathaniel Soper*</td>
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</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:

Congratulations to Dr. Nabil Issa, the surgery sub-internship director and 4th year medical student advisor, who was awarded a 2013 ASE Philip J. Wolfson Outstanding Teacher Award. This national award is given each year to no more than four faculty members from North American medical schools who are thought to exhibit the qualities of an outstanding teacher by their chair, peers and students. Dr. Issa was selected for this prestigious award from a pool of incredibly strong candidates. Congratulations!

Congratulations to Dr. Brian George who successfully completed his two-year Surgical Education Fellowship under the mentorship of Dr. Debra DaRosa. Brian will be receiving his Master’s of Arts in education from the University of California-Berkeley. He was instrumental in the development of PASS and presented work related to PASS at the 2013 Surgical Education Week. Brian has returned to Massachusetts General Hospital to complete his General Surgery residency.
Clinical Care

The Division's operational performance was again strong in Fiscal Year 2013 and ahead of budget in total divisional work RVUs. Dr. Seema Khan continued to grow a maturing, cooperative high-risk breast cancer clinic and the division worked in tandem with the Division of Gynecologic Oncology and the Cancer Genetics Program to enhance the patient experience for this population. In October of 2012, the Division of Breast Surgery and the Lynn Sage Breast Center received reaccreditation from the National Accreditation Program of Breast Centers (NAPBC) through the American College of Surgeons.

Education

Dr. Melissa Lazar and Dr. Denise Monahan were the graduating Lynn Sage Breast fellows in fiscal year 2013. Dr. Lazar accepted a position as Assistant Professor with Thomas Jefferson University located in Philadelphia, Pennsylvania. Dr. Monahan joined the staff at the John H. Stroger, Jr. Hospital of Cook County. As of July 1, 2013, Dr. Amanda Amin and Dr. Anna Higham joined the Division as the 2013-2014 Lynn Sage Breast Fellows.

Research

Jacqueline Jeruss, MD, PhD, who was promoted to Associate Professor of Surgery, has been awarded a $50,000 Lynn Sage Cancer Research Foundation Grant for her project titled “Impact of Pin1 and CDK Inhibition in triple Negative Breast Cancer Migration” as well as a 5-year R01 titled “Measuring Signaling Pathway dynamics During Tissue Growth in Hydrogels.” Dr. Seema Khan, MD, Professor of Surgery, and the Bluhm Family Professor of Cancer Research, Co-Leader Breast Cancer Program, was also awarded a $50,000 Lynn Sage Cancer Research Foundation Grant for her project titled “The Humanized Mouse Mammary Fat Pad for Testing Breast Cancer Prevention Drugs”. Additionally, Dr. Hansen became the new principal investigator on the NCCN project grant titled, “Opportunities for Improvement (OFI) Project: Quality Evaluation and Improvement in Breast Cancer Care based on NCCN outcomes data”.

From left to right:
Dr. Nora Hansen
Dr. Jacqueline Jeruss
Dr. Seema Khan
Dr. Kevin Bethke
Clinical Care
The Bluhm Cardiovascular Institute was ranked 12th in the nation for heart and heart surgery programs in the 2013-14 edition of U.S. News & World Report’s “America’s Best Hospitals.” This is the highest we have ever been ranked, the highest ranking of any CV program in Illinois and the surrounding states, and the highest national ranking EVER for any CV program in Chicago.

Research
Dr. Patrick McCarthy is currently participating as a principal PI in the Ablate Post Approval Study: AtriCure Synergy Ablation Lesions for Non-Paroxysmal Forms of Atrial Fibrillation Treatment during Concomitant On-Pump Endo/Epicardial Cardiac Surgery; CT Surgery Milestones Evaluation: Using the CT Surgery Milestones to evaluate trainee competency and optimize feedback utility; Multi-CenTer Experience with the Rapid Deployment EDWARDS INTUITY Valve System FOR Aortic Valve ReplaceMent (TRANSFORM™ Trial); and SironRX JVS 100: A Phase I Randomized, Double-Blind, Placebo Controlled Dose Escalation Study to Evaluate the Safety and Efficacy of JVS free Dermal Injec–tion to Cohorts of Adults Receiving Surgical Sternotomy Incisions.

Dr. McCarthy has been invited as a member of the American College of Cardiology (ACC) to serve as a member of the Transcatheter Valve Therapy (TVT) Registry Module Work Group. Furthermore, Dr. McCarthy is a member of the Steering Committee for the Clinical Outcomes Assessment of the MitraClip Percutaneous Therapy for Extremely High Surgical Risk Patients (The COAPT Trial). He has recently joined Direct Flow as a National Cardiothoracic Surgical PI.

Dr. Edwin McGee (PI) is participating in the Prospective, Randomized, Controlled, Un–blinded, Multi-Center Clinical Trial to Evaluate the HeartWare® Ventricular Assist System (VAS) for Destination Therapy of Advanced Heart Failure. He is also participating in the Mitraclip COAPT Trial (Clinical Outcomes Assessment of the MitraClip Percutaneous Therapy for High Surgical Risk Patients).

Dr. S. Chris Malaisrie (PI) is participating in the Partner II trial with Edwards Sapien. He is also participating in the Rapid Deployment ED-WARDS INTUITY Valve System FOR Aortic Valve Replace-Ment) as well as the the AVOOMP study extension (Aortic Valve Oper–ative Outcomes in Marfan Patients).

Dr. Hyde Russell (Co-PI) is participating in the Direct Flow Medical® TranScatheter Aor–tic Valve RepLacement System US Feasibility Trial.

Kathleen Grady, PhD was honored with the Research Nurse of the Year award from the Heart Failure Society of America due to her work on a current American Heart Association grant. In addition, she is participating as Co-PI in the Pediatric Heart Transplantation: Transitioning to Adult Care (TRANSIT) trial.

Education
Dr. McCarthy was asked to participate in the Society of Thoracic Surgeons (STS) Task Force on Surgical Ablation for Atrial Fibrillation. In addition, Dr. Patrick M. McCarthy has been nominated to peer review the 2013 AHA/ACCF Guideline for Valvular Heart Disease as an STS reviewer. Lastly, Dr. McCarthy has a courtesy appointment under the Department of Biomedical Engineering for the Robert R. McCormick School of Engineering and Applied Science, Northwestern University.

Dr. McCarthy was the Chair and Moderator of a new, unique course entitled “Working with Industry” sponsored by The 93rd Annual American Association for Thoracic Surgery Meeting in May 2013. This course helped fo–cus on the surgeon as a device inventor and designer and the gap that exists during the process of invention, patenting, prototyping and licensing or funding a start-up company. In addition, Dr. McCarthy presented the ab–tract “Should Paroxysmal Atrial Fibrillation be Treated During Cardiac Surgery?” which has been accepted and is currently in press for publication in the Journal of Thoracic and Cardiovascular Surgery.

Dr. McGee was asked to join the Editorial Board of the American Society for Artificial Internal Organs (ASAI0). In addition, he has been appointed to the ASAIO Board of Direc–tors.

Dr. Malaisrie was promoted to Associate Pro–fessor of Surgery.
The Bluhm Cardiovascular Institute of Northwestern and Ann & Robert H. Lurie Children's Hospital of Chicago were honored to co-host the 28th Annual Marfan Conference and Clinic Health Fair on August 2-5, 2012. From the Division of Cardiac Surgery, Dr. Chris Malaisrie, Surgical Director for Thoracic Aortic Disease, served as the Director for the Marfan Conference.

The National Marfan Foundation (NMF) Annual Conference enabled people with Marfan syndrome and related connective tissue disorders, and their families to meet with Marfan syndrome researchers and expert physicians to learn about new medical and genetic research and treatment options. The conference set a new record for the highest attendance, with 550 registrants for the conference. Surgeons and physicians from Northwestern Medicine and the Lurie Children's Hospital joined an expert panel of specialists from across the country and provided free health exams and medical tests for patients. The Health Fair also set a record by providing health advice and free medical testing to 114 patients and families for such specialties as cardiology, cardiac surgery, dentistry, genetics, ophthalmology, orthopedics, neurosurgery, and pulmonary. “The NMF Annual Conference gives affected people and their families an opportunity to learn about Marfan syndrome and related disorders and connect with other people who have these conditions,” said NMF President and CEO, Carolyn Levering. “In addition, we offer a free patient evaluation clinic for attendees, particularly those who don’t have access to Marfan syndrome experts at home. This is a unique offering among patient conferences that is literally life-saving for so many.”

General conference sessions were held on August 4, 2013 with medical presentations and panel discussions led by researchers and physicians who have special expertise in Marfan syndrome and related disorders. Conference attendees were welcome to participate in informative workshops and to attend teen’s or children’s programs and a wide array of social outlets.

Based on the proven success of the 2012 program, we are very pleased and honored to be asked to host the 31st National Marfan Conference in August of 2015.

For more information, please visit www.marfan.org or http://www.nmh.org/nm/heart-valve-disease-marfan-syndrome
Clinical Care

Drs. Jeffrey Wayne and Karl Bilimoria successfully performed four minimally invasive lymph node dissections for melanoma patients. Including Northwestern, only 10 health care institutions in the country perform such procedures. In addition, as a Co-Director of the Integrated Pelvic Health Program, Dr. Anne Marie Boller established the sacral nerve stimulation program. This provides another avenue of treatment for pelvic floor patients with fecal incontinence issues. Also of note, both Linda Feldman, RN and Patricia Hernandez (surgical oncology patient procedure scheduler) were nominated for the Robert H. Lurie Comprehensive Cancer Center of Northwestern University awards for service excellence. Linda was nominated for the Vicki Marer Nursing Award and Patty for the JoAnn Jones Support Staff Award. We would like to take this opportunity to thank Linda, Patty, and the rest of our GI and Oncologic Surgery clinical team for their excellence in patient and clinical care.

Education/Research

The GI & Oncologic Surgery faculty continues to make their mark in the area of education and research and would like to highlight a few of those accomplishments from fiscal year 2013. Dr. Nathaniel Soper was appointed the president of the Central Surgical Association. In this role, Dr. Soper will play an instrumental role in the advancement of the practice of surgery. Dr. David Mahvi was also appointed as the incoming Chairman of the American Board of Surgery. In April 2013, Dr. Cord Sturgeon hosted and led a CME approved course on thyroid and parathyroid ultrasound course. This was done in collaboration with the American Association of Endocrine Surgeons and held at Northwestern Memorial Hospital's Feinberg Pavilion. Dr. Eric Hungness was appointed as the Director of the Northwestern Center for Advanced Surgical Education (N-CASE). In addition to his new appointment, Dr. Eric Hungness was also awarded a grant from the Northwestern Memorial Foundation 2013 Alvin H. Baum Clinical Simulation Research Grants Initiative for a study entitled “Evaluation of a Simulation-Based Mastery Learning Curriculum for Laparoscopic Common Bile Duct Exploration”. Lastly, Dr. Karl Bilimoria established the Surgical Outcomes and Quality Improvement center (SOQIC).

ACS Thyroid & Parathyroid Ultrasound Course

Drs. Cord Sturgeon and Dina Elaraj hosted an American College of Surgeons exported course on Thyroid and Parathyroid Ultrasound on Saturday, April 13 for 41 attendees as well as 13 international faculty instructors.

Attendees earned seven CME hours while learning office-based ultrasound examination of the thyroid and parathyroid glands and related pathology. Didactic lectures demonstrated ultrasound guided FNA of thyroid nodules and enlarged lymph nodes; a hands-on skill session was offered on N-CASE produced ultrasound models for teaching FNA.

This course, like all exported ultrasound courses, enables practicing surgeons to learn new skills at accessible locations beyond the Clinical Congress. For more information, please visit: http://www.facs.org/education/ultrasound/exported.html.
Gastroesophageal reflux disease (GERD) is the most prevalent gastrointestinal disease in the United States, affecting up to one in every four Americans. It is a debilitating condition caused by acid and other gastric contents refluxing into the esophagus. When medical and pharmacologic treatment fails to control GERD the patient may be a candidate for an anti-reflux operation, usually performed laparoscopically. Previously, the only surgical option involved using part of the stomach to wrap around the lower esophagus to strengthen the reflux barrier. While effective, these operations have some side effects that can interfere with normal functions such as belching, vomiting, or swallowing, and can lead to the gas-bloat syndrome.

The LINX device was approved last year after four years of evaluation and testing by the FDA. We were the first hospital in Illinois (and one of relatively few in the country) to offer implantation of the LINX device to treat GERD. Placement of the LINX augments the lower esophageal sphincter to limit reflux with proven clinical benefits and generally a lower incidence of side effects than a fundoplication.

The LINX procedure is contraindicated in patients with hiatal hernias >3cm, poor esophageal motility or Barrett’s esophagus, and in those likely to require MRI tests.

The LINX procedure uses an implantable device consisting of a “bracelet” of titanium beads with magnetic cores that expand and act as a replica of the sphincter muscle. After minimal mobilization of the gastroesophageal junction using laparoscopic techniques, the small band of beads is placed around the lower esophageal sphincter. Under resting conditions, the magnetism holds the beads together to keep the sphincter muscle closed and prevent acid reflux. The beads of the bracelet push apart, opening the esophageal lumen, when swallowing a food bolus. Unlike other surgical options, placement of the LINX system does not involve significant alterations to anatomy that may limit future treatment options. If necessary, it can be removed later during a laparoscopic procedure similar to the implant procedure. For carefully selected patients the LINX procedure may eliminate reflux with the added benefits of a shorter hospital stay and recuperation and less pain. Also, patients are able to return to ingesting normal food immediately after surgery, while diminishing the likelihood of experiencing the gas-bloat syndrome.
Clinical

The Division of Organ Transplantation remains the Chicago market leader in abdominal organ transplantation. Nearly 50% of adult transplants in the Chicago metro area were performed at Northwestern last year. We continue to be among the nation’s leading transplant programs with the second largest living donor kidney program in the US in 2012. We are among the nation’s leaders in performing internal paired-exchanges with over 120 performed to date. We anticipate expanding these “swaps” (matching an incompatible donor/recipient pair with another such pair resulting in both recipients receiving transplants) by partnering with several high volume centers across the country. Methodist Specialty and Transplant Hospital in San Antonio will be the first partner in this arrangement. By expanding the exchange program, we are able to offer more patients a living donor transplant.

Academic

Dr. Joseph Leventhal was promoted to Professor and Dr. Jason Wertheim received an appointment at the VA.

Research

The transplant research enterprise continues to thrive. So far this fiscal year we have submitted 43 grant proposals totaling $28.4M. In this same period, we were awarded 29 grants totaling $4.5M. Transplant faculty gave 52 presentations/oral abstracts at national meetings and published 58 articles. In the area of biomarker discovery and validation, we have accelerated the collection of patient samples for the Comprehensive Transplant Center’s (CTC) biorepository, which holds a wealth of samples linked to clinical data through the Enterprise Data Warehouse (EDW). Our partnership with Dr. Dan Salomon of the Scripps Research Institute has led to the discovery of a biomarker signature that will detect early graft rejection without the need for a biopsy. We have formed the Transplant Genomics Institute (TGI) to help transform this and future discoveries into clinical applications like tests for graft rejection. It is our hope that these tools can be used by transplant centers around the world to
improve outcomes and the patient’s experience while greatly reducing health care costs.

We have been invited to submit a P01 proposal to the NIAID, which will be titled “Cytomegalo Virus Latency and Reactivation in the Context of Transplantation”.

The Northwestern University Transplant Outcomes Research Collaborative (NUTORC) has continued expanding transdisciplinary health services and outcomes research in transplantation. In the area of research on solid organ transplantation in older persons, we established collaboration with colleagues at the University of Miami as part of a consortium jointly responding to a funding opportunity announcement issued by the National Institute on Aging and the National Institutes of Health. Since NUTORC’s inception back in 2009, the number of collaborative efforts and the affiliations of the researchers involved have grown and changed substantially as the graphics below illustrate.

**Education**

Our transplant fellowships continue to be highly competitive with a majority of graduates pursuing careers in academic medicine. The fellows graduating in FY13 accepted positions at Crozer Chester Medical Center (transplant surgery), University of Michigan (transplant hepatology), and Research Medical Center in Kansas City (transplant nephrology). Our other graduating surgical fellow is continuing his education by doing a fellowship in laparoscopic surgery at Carolinas Healthcare System. Transplant surgery fellows entering their second year of the program joined us from Vanderbilt and de Universidad Nacional de Colombia. This year’s incoming fellows joined us from the University of Medicine & Dentistry of New Jersey (surgery), Westchester Medical Center/New York Medical College (surgery), Rush (transplant hepatology), NU (transplant nephrology) and the University of Missouri (transplant nephrology). Fellows who will be joining us in FY14 include trainees from Thomas Jefferson (transplant surgery), European Institute for Telesurgery (transplant surgery) and NU (transplant hepatology). We have been awarded a supplemental diversity slot for our NIH-funded T32 Transplant Scientist Training Program for the upcoming year, increasing the number of trainees to three. One trainee will focus on outcomes research with NUTORC and the other two will conduct basic science research in our NUCTRIBE group. Twenty students participated in the CTC Summer Student Immersion Program this year. The program involves each student working with their mentor to develop a hypothesis and execute a succinct hypothesis driven project. At the end of the program, after collecting and evaluating the data the students reported their findings in a poster session that was judged by faculty. Bi-weekly transplant-related lectures and opportunities to observe clinical activities were also part of the summer student curriculum.
It was another successful year for the Division of Plastic Surgery. For education, there were over 200 applications for the two coveted PGY-1 spots, and the majority of the applicants were AOA. The two graduating chief residents obtained excellent microsurgery fellowships as they plan careers in academic medicine. Resident oral examinations have been an ongoing effort of Dr. Julia Corcoran. Her mock oral exams have now been used both at Northwestern and at the University of Michigan. The Division won a full 5-year accreditation from the ACGME, with the next site visit scheduled for 2018.

Clinically, the full time members of the faculty at Northwestern Memorial Hospital have expanded their clinical expertise and surgical volumes. Advances in breast reconstruction, uses of free fat grafting in aesthetic surgery, mesh use in hernia repair, and treatment of peripheral nerve conditions with surgery are evident within the division.

The Laboratory for Repair and Regenerative Surgery has continuously well funded by its AFIRM grant for work on a wound healing bioreactor and on basic mechanisms of scar formation and modulation. Dr. Kim continues his work on a multi-center outcomes study in breast reconstruction. Dr. Dumanian was awarded a 2.5 million dollar Department of Defense grant to be the PI on a multi-center trial for the surgical handling of end-neuromas in amputees. He will work in conjunction with Walter Reed Hospital, the San Antonio Military Medical Center and U. Washington.

Dr. Mohammed Alghoul has completed his first year as an attending, with stellar outcomes in breast reconstruction, reconstructive microsurgery, and oculoplastic surgery. Dr. Marco Ellis, a previous graduate, has joined the contributed services faculty. Drs. Robert Walton and Julius Few, previously on the full time faculty, have rejoined the division as contributed services attendings.

Dr. Arun Gosain has finished over one year as Chief of Pediatric Plastic Surgery at the Lurie Children’s Hospital of Chicago. In this brief time, he has expanded his clinical practice, and opened a new laboratory studying zebrafish craniofacial suture biology.
Division of Thoracic Surgery

Clinical Care

The Division of Thoracic Surgery continues to show strong patient volumes, with ongoing procedural growth (+15.4%, since 2009), and new patient volume growth (+15%) over the last three fiscal years.

During fiscal year 2013, the Division was pleased to announce the successful recruit of Dr. Ankit Bharat who joined Northwestern as an Assistant Professor of Thoracic Surgery as of July 1, 2013, and will serve as the Surgical Director of the Lung Transplantation Program. Dr. Bharat is a graduate of Christian Medical College, located in Vellore, India. He completed residencies in both general surgery and cardiothoracic surgery at Washington University. Further, Dr. Bharat completed a post-doctoral research fellowship at Washington University and clinical fellowships at Barcelona University, Memorial Sloan Kettering, and MD Anderson Cancer Center.

Joan Marie Loos, RN, joined the Division in a shared capacity amongst the GI/Endocrine Surgery Division, as our Lung/GI Cancer Patient Navigator. To-date, she has successfully crafted efficient care pathways for patients who have diagnosed or suspected esophageal cancer.

As was reported in previous editions of our newsletter, as part of the National Lung Screening Trial through the National Cancer Institute, the Division collaborated with Northwestern Memorial Hospital to offer affordable, low-dose helical CT scanning to a population defined to be at-risk for lung disease. To the Division’s delight, these screening recommendations were embraced by the U.S. Preventative Services Task Force in July of 2013, proving that this type of screening can positively impact the care delivered to this patient population. It is important to note that Northwestern was the only Chicagoland hospital to have participated in the National Lung Screening Trial and the Division was pleased to see these recommendations made to all healthcare providers.

Education

The 20th Annual Thomas W. Shields Lecture was held on May 15, 2013. The guest lecturer and former mentor to the division’s own Dr. Shari Meyerson, Dr. Thomas A. D’Amico, presented on the topic of thoracoscopic lobectomy for locally advanced lung cancer – a surgical technique strongly embraced by the Division’s faculty and shared with the University’s medical students.

Research

The Division has enrolled 196*patients in the ProvenCare Lung Cancer Collaborative, which aims to define evidence-based best practices and assess if subscribing to these practices results in improved outcomes and lower costs for lung cancer care.

Satvik Ramakrishna was one of two first-prize winners of the Alfred Soffer Research Award from the America College of Chest Physicians (ACCP) for his presentation at CHEST 2012 in Atlanta. His presentation covered the comprehensive work evaluating the association of statin use and non-small cell lung cancer (NSCLC) outcomes.

*190 through July 31; this figure is a conservative estimate

Note: Photo of Cardiothoracic Surgery
From left to right:
Dr. Travis Abicht (Cardiac),
Dr. William Kent (Cardiac),
Dr. Robert Vanecko (Thoracic),
Dr. Emmanuel Amulraj (fellow),
Dr. Hirohisa Ikegami (fellow),
Dr. Daniel Enter (resident),
Dr. Elizabeth Cassidy (fellow),
Dr. Karen Thompson (fellow),
Dr. Danielle Smith (resident),
Dr. Edwin McGee, Jr. (Cardiac),
Dr. Hyde Russell (Cardiac),
Dr. S. Chris Malaisrie (Cardiac),
Dr. Patrick McCarthy (Cardiac),
Dr. Malcolm DeCamp (Thoracic),
Dr. Shari Meyerson (Thoracic),
Dr. Alberto de Hoyos (Thoracic)
Lung Volume Reduction Surgery

The Division performed its first Lung Volume Reduction Surgery (LVRS) in December of 2012. This surgical procedure is aimed at providing respiratory relief for patients with emphysematous disease, and is accomplished by removing large portions of the non-functioning lung. While not ideal for every patient with COPD or emphysema, it can truly be a quality-of-life enhancement for those it is suitable for. Our first patient had the following to state regarding the procedure:

“The team of doctors I had [Dr. Malcolm DeCamp, Dr. Ravi Kalhan, and Andrew Mullen PA-C] were superb. The surgeon, Dr. DeCamp, did a wonderful job and made me confident the surgery would be beneficial and improve my quality of life, as the University of Chicago said my lungs were too diseased to have the procedure.

...Dr. DeCamp changed my life. I no longer struggle breathing and feel like a new person due to the surgery.

...You have a great team of doctors, nurses, and various staff who made the surgery seem like nothing. Day one of surgery I was sitting up in a chair and on day two I was on a treadmill in my ICU room! I couldn’t believe I was able to do those things myself.”

Additionally, and of important note, the Division worked over a period of many months to ensure that we were appropriately positioned to deliver our standard of care with this new procedure. Collaboration amongst areas including dietary services, infection/quality control, inpatient nursing, pharmacy services, physical therapy, pulmonary rehabilitation services, physical therapy, and social work services all made this patient’s outcome positive. A special mention of appreciation to Dr. Malcolm DeCamp and Andrew Mullen, PA-C, for their Divisional efforts in spearheading this program – and for further elevating the Northwestern Medicine standard of care.

Excellence Award

Denise Little, Patient Procedure Scheduler and long-time NMFF employee, was honored as the recipient of the 2013 NMFF Service Excellence Award on the evening of July 17, 2013. Dr. Malcolm DeCamp presented Denise with this prestigious service award after reviewing a few of the submitted vignettes surrounding Denise’s nomination. He summarized the honor of recognizing Denise by stating that, “Denise is friendly; she is courteous; she is unequivocally the heart and soul of the Thoracic programs on this campus.”
Clinical Care

The Trauma/Emergency Surgery and Surgical Critical Care services provide comprehensive care of the acutely injured and critically ill, with special expertise in Trauma and the management of shock, sepsis, and multisystem organ failure. The Trauma program at NMH has maintained accreditation as a Level I Trauma center, and will see approximately 1000 patients this year. Of these, 25% are victims of penetrating injury. Chicago has received nationwide attention recently for the incidence of shooting injuries; Division faculty continue participation in a number of initiatives aimed at reducing the incidence of violent crime. The Critical Care service anticipates expanding its patient population with the beginning of the lung volume reduction and transplant surgery programs.

Education

The Surgical Critical Care Fellowship graduated one fellow this year, and two new fellows have begun the program. Dr. Robert Bertellotti trained at Creighton University, and Dr. Jon Gale completed residency at the University of Wisconsin. The fellowship plans to expand next year, offering a 2-year position for a candidate interested in advanced training in Trauma and Emergency General Surgery. Division faculty were recognized again this year by the Department of Surgery for excellence in teaching. The 4th year sub-internship position on the Trauma service has proven to be popular and successful. 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

Divisional research activity has remained diverse, robust, and productive, with presentations in the areas of trauma, public health, international health, education, and critical care. Dr. Schwulst's K award application received a superb score, and he was recently selected as a finalist for the American Surgical Association Foundation Fellowship award.
Dr. Marie Crandall, an Associate Professor in Surgery-Trauma & Critical Care and Preventive Medicine, has taken on one of the most common conversational topics today—violence. She obtained her Masters in Public Health and is originally from Detroit, MI. Dr. Crandall’s training and background has influenced the work she continues to do today. Dr. Crandall has gone above and beyond her call of duty as a physician. She has partnered with CeaseFire Illinois/Cure Violence (the name was changed to Cure Violence September 2012) also referred to as violence interrupters.

She has stated in prior interviews violence has become a public health issue and compared it to heart disease. Like impaired cardiac functioning, if not treated it can lead to a much bigger issue such as death. This helps to explain why Cure Violence would be called upon to prevent this issue from going any further. They provide on-the-spot assistance. Dr. Crandall has explained how important is to identify the source of the problem and avoid temporary fixes. “Patients leaving the hospital need tools for different paths,” said Crandall. This public health issue has become a concern because a victim of violence can become a repeat patient of the vicious cycle if not interrupted.

Not only has she participated in the prevention of violence, Dr. Crandall has examined the components surrounding violence. She has studied “Racial and Socioeconomic Disparities in Trauma Care”. She is the cofounder of LIVID, Lowering the Incidence of Violent Injury and Death in Chicago, which is a collection of Chicago healthcare systems serving as an infrastructure to find a solution to violence in the city.

Along with grant funding for her prolific research and publications, she continues to be a substantial media feature. On February 22, 2013, Dr. Crandall appeared on PBS Newshour to provide her expertise on gun violence. She acknowledged there is no quick solution but stated Northwestern has united with other community organizations to prevent this problem. She was also quoted on WBEZ 91.5 story entitled, “Reports Links Chicagoans’ Distance from Trauma Centers to Higher Mortality Rates”. Dr. Crandall has evaluated the relationship between survival rates and proximity to trauma centers. This development would help the communities throughout if someone is a victim of a violent crime and seeking urgent medical treatment.

The work Dr. Crandall has completed will help the community as a whole. It also helps to better understand the problem in order to grasp a hold of a solution. When asked about her future plans for continuing a relationship with Cure Violence, she responded, “I plan to continue as long as we provide trauma care.”
Division of Vascular Surgery

Dr. Karen Ho joined the division on August 30. Dr. Ho earned her medical degree at Harvard Medical School in 2003. She completed her internship and residency in general surgery and her fellowship in vascular and endovascular surgery at Brigham and Women's Hospital. Dr. Ho is a surgeon-scientist whose research interest is focused on chronic kidney disease, wound healing and peripheral vascular disease.

We congratulate our two graduating fellows, Dr. Marlon Lee and Dr. Suman Annambhotla, who are now practicing at Minneapolis Vascular Associates and Longstreet Clinical Associates in Gainesville, Georgia, respectively.

Drs. Nathaniel Koo and Hussein Kassam completed the two-year T32 Vascular Surgery Scientist Training Program in Dr. Kibbe's laboratory on June 30.

Dr. Neel Mansukhani, vascular surgery resident, was selected as the 2013 recipient of the Dr. A. A. Goldsmith Award; the award recognizes one first-year resident who best exemplifies the ideal of genuine humanity and empathy toward patients and their families.

The Division also welcomed three new trainees this year. Fellows George Havleka, MD and Tad Tomita, MD joined the division on July 1 along with resident Michael Nooromid, MD.

Vascular Surgery is also proud to announce the establishment of the John J. Bergan, M.D., Lectureship honoring the visionary vascular surgeon and first chief of vascular surgery at Northwestern. Dr. Bergan's career spans more than fifty years, with extraordinary dedication to the pursuit of excellence in the advancement and understanding of vascular disease.

Dr. Peter Glovicszki of Mayo Clinic presented the first annual lecture on "Chronic Venous Insufficiency and the Bergan Legacy" in March of this year. We look forward to Dr. William Flinn, Professor of Surgery at the University of Maryland Medical Center, joining us for the second annual Bergan lecture on March 6, 2014.


Approximately 140 physicians and healthcare professionals attended the 37th Annual Northwestern Vascular Symposium in December, 2012. The 2 1/2 day event was held December 6-8, 2012 at the Intercontinental Hotel on Michigan Avenue in Chicago, Illinois. Presentations by 50 national experts in their respective fields of vascular care focused on a comprehensive analysis of the current management of vascular disease as it relates to treatment of extracranial cerebrovascular and supra-aortic trunk disease, new approaches to lower extremity arterial and venous problems, recent cutting-edge developments in open and endovascular approaches to treat aortic and visceral arterial disease and complex venous problems. In addition, Northwestern faculty presented several interesting case presentations throughout the meeting which led to spirited discussion between the panelists and the attendees.

The 38th Annual Northwestern Vascular Symposium will be held December 12-14, 2013 at the Intercontinental Hotel, 505 N. Michigan Avenue, Chicago, IL. To view a copy of the program and to register for the meeting please see the website at http://www.cme.northwestern.edu. We look forward to welcoming attendees to Chicago during the holiday season.
Northwestern Lake Forest Hospital and the Department of Surgery continue to evolve and improve with the addition of new surgeons and new technologies. In addition, plans are well underway to build a replacement hospital on the grounds of the current facility.

New surgeons to the staff over the past year include Dr. Tara Breslin and Dr. Victor Tsirline. Dr. Breslin is a dedicated breast surgeon who joined NLFH in February of this year. She is the Medical Director of the Breast Care Program and has established “Criteria for Surgeon Participation in Breast Care” at NLFH based on current standards and best practices. She speaks with reasoned authority at our weekly Tumor Board meeting. She is highly respected and liked by physicians, nurses and patients. Prior to her arrival at NLFH, Dr. Breslin was an assistant professor at the University of Michigan Department of Surgery, Division of Surgical Oncology from 2007-2013 and an assistant professor at the University of Wisconsin Department of Surgery from 2000-2007.

Dr. Victor Tsirline came on the staff in August of 2012, joining Drs. Sobinsky, Andrews and Ganshirt in an established Northwestern Faculty Foundation general surgery practice. He completed his residency in general surgery at Loyola University Medical Center and his fellowship in Minimally Invasive Surgery at the Carolinas Medical Center. He also has extensive training in abdominal wall reconstruction for complex hernias.

A growing number of physicians from different specialties have joined NMFF over the past years including Dr. Hany Elrashidy of Orthopedic Surgery and Dr. Allen Carlins, Dr. Landon Duyka, and Dr. Leslie Block of ENT. Recently, the primary Gastroenterology group at NLFH also joined NMFF.

Faculty appointments are now available to all members of the NLFH medical staff who meet established requirements. The appointment would give them the title of “Health System Clinician.” Those interested in an appointment will apply and undergo evaluation at NLFH and NMH by their respective departments.

NLFH will soon receive a daVinci robotic surgery system from Northwestern. The system should be available for use by mid to late September. The first surgeon granted privileges for its use is Dr. Alok Pant, a Northwestern trained Gyne-Oncologist.

Other surgeons who meet criteria drawn from those established at NMH will be credentialed over time, including urologists and general surgeons.

Plans for a new hospital are well under way. The hospital will replace the existing facility and will be built on the capacious campus of NLFH. The new structure will be erected to the north of the current building. Its 4-5 towers, interconnected at their bases, will fan out around a large pond. The preliminary drawings are quite stunning and in keeping with the Northwestern tradition and image.

The process is in its Design and Planning Phase. This will continue through the fall of 2014 when construction is scheduled to begin. The Construction Phase should be complete by the summer of 2017 when the first patient will enter the new hospital.

This fall entry and exit access from southbound Route 41 will be created. This will provide easier access to the campus for our patients as well as future construction traffic.

These are just some of the changes at NLFH. We look forward to the added benefit of clinical integration throughout the Northwestern system in the coming year.
Education

Our faculty continue to enhance our commitment to quality education. Katherine Barsness, MD, was appointed to the Feinberg Academy of Medical Educators (FAME) for a two-year term. Part of the Center for Education in Medicine, FAME provides support to faculty in their roles as educators, supporting the teaching mission through the Core Teaching Faculty program. Dr. Barsness also led a project to create a series of simulation models to teach surgeons-in-training how to safely perform minimally invasive repairs through the Simulation Technology and Immersive Learning program (STIL) and NCASE... Catherine Hunter, MD, was elected to serve on the Education Committee of the Association for Academic Surgery (AASD) for a two-year term.

Research

Research endeavors continue to expand across the division. Transplant Surgery continues multiple research projects in kidney and liver transplant, intestinal rehabilitation and transplantation, and heart transplant. We are a founding member of the North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS), a nationwide consortium focused on improving the quality of care received by pediatric kidney transplant recipients, and a founding member of the Pediatric Heart Transplant Study (PHTS), a consortium of 40 institutions dedicated to advances in treatment for children during listing for and following heart transplantation... Plastic Surgery welcomed Jolanta M. Topczewska, PhD, who joined the division as Research Associate Professor. Dr. Topczewska comes to us from Pediatrics – Developmental Biology, and will continue her research of a zebrafish model for skeletal studies.

Clinical Care

Lurie Children’s was ranked #8 in the U.S. News and World Report Best Children’s Hospitals Honor Roll for 2013-2014. The hospital is pursuing many clinical practice improvements to further its success, including projects to improve quality, patient safety and patient-family experience. The Division of Pediatric Surgery is focusing on improving processes, streamlining workflows, and reducing unnecessary variation in clinical practice; sharing best practices and data with other children’s hospitals; improving clinical documentation; and creating closer connections with primary care providers for quality improvement... Marleta Reynolds, MD, Surgeon-in-Chief at Lurie Children’s, was elected to the Board of Governors of the American Pediatric Surgical Association. Dr. Reynolds also received the March of Dimes Leadership Award for Lifetime Achievement in November, 2012.
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 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 that accommodates more than 600,000 outpatient visits annually. The “VA” is affiliated with both Northwestern University Feinberg School of Medicine and the University of Illinois at Chicago College of Medicine.

Surgical Service encompasses ten Surgical Sections (General including Bariatrics and Critical Care, Orthopaedics, Optometry, Ophthalmology, Otolaryngology, Plastics, Podiatry, Thoracic, Urology, and Vascular), 53 providers (including 14 full-time faculty), and 8 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.

Research

JBVAMC continues to play a valuable and growing 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 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 in supporting and encouraging resident research. Dr. Jason Wertheim has recently joined the VA faculty and is applying for VA research funding. Dr. Adam Murphy in the Dept of Urology, NUFSM, obtained a VA Career Development Award that is a 5-year commitment by the VA to fund a young investigator’s research. Dr. Joshua Meeks, MD, PhD, in Urology has also joined the VA staff and is pursuing extramural funding.

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

Surgical Service has undergone major recruiting activity during the past year that has successfully yielded ten new faculty members including four in Otolaryngology, three in Urology, one in Plastic Surgery, one in Orthopaedics and one in Transplant/Research. Two of these recruits are full-time section chiefs so that 7 of 10 sections are now lead by a full-time VA surgeon. We were especially pleased that Dr. Alberto de Hoyos assumed a key role as Chief, Thoracic Surgery. He is off to a strong start in assisting with procurement of new Thoracic Surgical equipment and establishment of a multidisciplinary outpatient clinic with Pulmonology.

Surgical Service obtained a da Vinci surgical robot during this past year and Dr. Meeks has been our leader in Surgical Robotics and launched a successful start to our robotics program. The device is equipped for dual operators so that our residents can meaningfully participate in surgery and take part in simulation exercises also. Although the robot has been used only for urologic procedures thus far, we anticipate that it will be used in the coming year for Thoracic, Otolaryngologic, and General Surgical cases.

General Surgery has been augmented in recent years with development of Bariatric Surgery and addition of Thoracic and Plastic Surgery. Our Chief Residents now enjoy operative experience in a variety of surgical areas including colorectal, oncologic, thoracic, breast, bariatrics, minimally invasive and traditional general surgery. Dr. David Bentrem provides expertise in Surgical Oncology, Dr. Joseph Vitello and Abigail Tarbox provide expertise in General and Bariatric Surgery and Dr. Jose Cintron provide expertise in Colorectal Surgery from which our residents and patients greatly benefit. Drs. Vitello and Tarbox participate with Dr. Stuart Lipnick to maintain 24/7/365 coverage of our SICU and Acute Care Surgery model for inpatient and emergency surgical care for the hospital.

For 2013-2014, we anticipate continued recruitment to our staff with focus on Hand Surgery and Thoracic surgery. We await response from Washington, D.C. regarding our application to establish an Urotrauma Reconstructive and Rehabilitation Center. Finally, with augmented staffing in Nursing and Anesthesiology, we look forward to a 25% increase in surgical volume to over 4,000 cases annually in 2014.
Philanthropy

Planning After the 2013 Tax Law Changes

The Department of Surgery’s alumni, staff, faculty, and friends remain an important part of the growth of our vital programs and initiatives. Through philanthropic support, you can promote exploring new knowledge and training the next generation of leaders. However, recent tax law changes have some donors wondering how to plan their future contributions.

The American Taxpayer Relief Act of 2012 enabled most Americans to step back from the “fiscal cliff” that would have meant significantly higher income taxes for all taxpayers. What will the changes mean to our alumni and friends? Our Office of Gift Planning is pleased to offer a comprehensive new publication, Planning After the 2013 Tax Law Changes. You can request a complimentary copy by calling the gift planning office at 800-826-6709.

Listed below are some of the new rules that may affect your planning in 2013.

### Income Taxes

- Tax rates for 2013 are the same as those in effect in 2012, but Congress has added a new 39.6% bracket for individuals with taxable incomes above $400,000 ($450,000 for married couples filing jointly);
- Taxes on most long-term capital gains remain capped at 15%, but are increased to 20% for taxpayers in the 39.6% tax bracket;
- The maximum tax rate on dividends remains at 15%, except for those in the 39.6% tax bracket, who will pay 20%;
- A 3.8% Medicare surtax on net investment income (including capital gains) will affect individuals with adjusted gross incomes (AGI) above $200,000 ($250,000 for married couples);
- Itemized deductions may be reduced for unmarried taxpayers with AGI over $250,000 ($300,000 for married persons filing jointly) — the so-called Pease limitation;
- Unmarried taxpayers with AGI over $250,000 and married couples with incomes above $300,000 will see cutbacks on their personal exemptions, which will be reduced by 2% for each $2,500 of income over those threshold amounts;
- The option to deduct state sales taxes, instead of state and local income taxes, was renewed for 2013;
- Medical deductions for 2013 are limited to amounts exceeding 10% of AGI, except for taxpayers over 65, who can deduct the excess above 7.5% of AGI through 2016.

### Gift and Estate Taxes

- The law provided gift and estate tax exemptions for 2013 of $5.25 million (indexed for inflation) and increased the tax rate from 35% to 40% on amounts exceeding the exemption. The exemption for married couples now can be as high as $10.5 million, thanks to permanent extension of “portability,” which allows a surviving spouse to inherit any unused exemption of the first spouse to die;
- Federal gift taxes are also subject to a top rate of 40% and a $5.25 million lifetime exemption (indexed for inflation). Additionally, the annual gift tax exclusion has been increased to $14,000 per donee, for gifts made by an individual during any year;
- Generation-skipping transfers also qualify for a $5.25 million lifetime exemption, indexed for inflation.

To learn more the 2013 tax law changes please contact Northwestern University’s Office of Gift Planning at 1-800-826-6709.

If you would like to discuss making a contribution in support of the Department of Surgery at Northwestern University Feinberg School of Medicine, please contact Erin Indovina at the Feinberg School’s Development & Alumni Relations office by phone at 312-503-2706 or e-mail at erin.indovina@northwestern.edu.
The years of 2012 and 2013 continued to bring change and growth to Computing Support Services in the Northwestern Community. With the consolidation of IT Services across Surgery and Medicine complete, significant new initiatives focusing on security and development were completed by the team.

**Security and Confidentiality.** In a move to support and protect the confidentiality of sensitive data on campus, all Northwestern Medicine portable computing devices were encrypted as part of an institution-wide project. The Surgery-Medicine team became home to the central Chicago campus “encryption lab.” The team backed-up, updated, and encrypted machines from 23 different divisions and validated over 650 different mobile devices. During the nearly seven months of the project, no data were lost or damaged, and each participant’s machine was returned, “good as new” in full compliance with the University’s security policy.

**Web “Risk Calculator” Development**

Web “Risk Calculator” Development. Working under the direction of Assistant Professor of Surgical Oncology and Medical Social Sciences, Karl Bilimoria, MD, MS, Tom Kmiecik completed the initial development of the American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP) Surgical Risk Calculator: [http://riskcalculator.facs.org/](http://riskcalculator.facs.org/).

Specifically developed for the ACS, the Risk Calculator assists surgeons in expedited entry and analysis of procedure-specific data. For a specific patient contemplating a given procedure, the Risk Calculator estimates and provides a visual representation of the individual risks for eight potential complications. The Calculator includes more than 1500 operations and/or CPT codes and it applies to most surgical specialties. Providing patients with empirically derived risk estimates, the Calculator’s goal is to assist the physician in improving shared decision during the informed consent process.

Going forward, the ACS NSQIP Surgical Risk Calculator will also satisfy a Centers for Medicare and Medicaid Services (CMS) requirement for the Physician Quality Reporting System (PQRS).
Recently, I had the opportunity to join Dr. Wilson Hartz and Dr. Mark Toyama of the Northwestern Surgical Associates to travel to Retalhuleu, Guatemala for a week long surgical mission trip with Faith In Practice, a Houston-based non-profit organization. Every year, Faith In Practice facilitates more than 30 medical and surgical mission trips to Guatemala. Since its inception in 1993, Faith in Practice has helped to provide treatment for over 100,000 Guatemalans many of whom live in poverty and lack basic medical and dental care. Our team of 31 volunteers consisted of nurses, anesthesiologists, surgeons, dentists, pharmacists, interpreters, and clergy. All volunteers covered their own travel expenses in addition to fundraising more than $35,000 to cover the cost of medical and surgical supplies for our Guatemalan patients.

Before we arrived, local physicians had identified patients with potential surgical problems and obtained the necessary preoperative imaging and laboratory tests for our evaluation. We arrived at Hospital Hilario Galindo in Retalhuleu, Guatemala early on Sunday morning to nearly 100 patients and their families eagerly (and patiently!) awaiting evaluation. The surgeons and anesthesiologists quickly got to work and began seeing all the patients and scheduling their operations over the coming days while the nursing team unpacked supplies and set up the operating rooms and pre-and post-operative recovery areas. Over the next four days, our team provided surgical treatment for more than 50 patients ranging from 1 to 91 years old including cholecystectomy, herniorrhaphy, hysterectomy, soft tissue mass excision, mastectomy and over 80 dental procedures.

I will forever cherish the memories of this amazing experience caring for some of the most patient, strong, and grateful people I’ve encountered. I am deeply honored to have been entrusted with their lives. It was a truly pleasure and a privilege to be part of this team that shared a mission of providing the high-quality compassionate care to the people of Guatemala.

For more information about Faith In Practice, please visit their website at www.faithinpractice.org.

Karen Sherman, MD, MS
Surgical Outcomes Research Fellow &
General Surgery Resident
In Bolivia, an everyday commute could be a potential risk. Having some of the most dangerous roads presents a much higher risk for accidents. The greater danger emerges when the accident occurs and there are few if any emergency crews available to help. Ideally, providing more first responders would be the most obvious resolution. Providing emergency training to the first responders would be the most effective.

Northwestern Trauma Initiative has partnered with HOPE Worldwide Bolivia, to work together to find a solution to decrease the amount of deaths sustained from the lack of proper emergency medical attention. Mamta Swaroop, MD, FACS, a trauma surgeon for Northwestern Memorial Hospital and Assistant Professor at the Feinberg School of Medicine, teamed with current resident Steven Schuetz, Jennifer Mullen, RN and Inge LeBlanc, RN to work with Hospital Arco Iris in Bolivia to improve the pre-hospital care of their patients and their emergency department. They have established a training program not only to train first responders to treat victims of motor-vehicle collisions but also to transport them correctly in order to decrease fatalities during transit to the hospital. The nursing specialists worked on Emergency Room triage and flow as well as ICU care protocols and wound care. Teaching basic skills are fundamental when resources are limited. Dr. Swaroop and her team taught first responders and firefighters to adapt to their environment. Using large pieces of wood as a splint to prevent further injury or using vines as rope to keep the brace in place. Travel time from the site of accident in the jungle to the hospital is long, as such, they also taught pelvic binding.

When asked how long the Bolivian partnership will continue, Dr. Swaroop responded, “When an EMS system is in the talks. There’s a lot of work to be done.” Dr. Swaroop is committed to the cause. She plans to be involved in the training process and make the Bolivians self-sufficient in the future.

She also mentioned Global Surgery, as “an up-and-coming field” in Academic Surgery. She has research collaborations which span across the globe—India, Israel, Pakistan, and others. This overlaps with her research interests of international development of Trauma & Critical Care Systems and injury prevention.

Additionally, surgical societies seek her for lectures, presentations, or as a moderator. She is a current member of Surgical Mission and Partnerships Coordinating Committee, Who Initiative for Emergency and Essential Surgery, World Congress of Surgery, Obstetric, Trauma and Anesthesia Trauma Planning Committee, International College of Surgeons, and she serves as Co-chair of the Global Affairs Committee, Association for Academic Surgery. These are a few examples of Dr. Swaroop accomplishments and work.
Travis O. Abicht, MD was appointed as Assistant Professor of Surgery in the Division of Cardiac Surgery as of July 2013. Dr. Abicht completed both medical school and his general surgery residency at the University of Kansas School of Medicine. Upon successful completion of his Cardiothoracic Surgery Fellowship here at Northwestern, Dr. Abicht will focus his clinical practice on adult coronary artery bypass, heart transplant and ventricular assist device (VAD) surgery. In addition, Dr. Abicht will staff our affiliate site at the John H. Stroger, Jr. Hospital of Cook County.

Dr. Ankit Bharat joined the Division of Thoracic Surgery as an Assistant Professor of Surgery in July 2013. Dr. Bharat will serve as the Surgical Director of the Lung Transplantation Program. Dr. Bharat joined Northwestern upon the completion of his Cardiothoracic Surgery residency at Washington University in St. Louis, Missouri, where he also completed his post-doctoral research fellowship, internship and general surgery residency. Dr. Bharat earned his M.B.B.S. degree from Christian Medical College in Vellore, India. His research interests include autoimmunity in lung transplantation, organ transplantation and the immunological link between primary graft dysfunction and chronic human lung allograft rejection. Dr. Bharat received the Richard E. Clark Award at the 2013 Society of Thoracic Surgeons annual meeting.

Tara Breslin, MD, MS, breast surgeon and oncologist, was appointed as Associate Professor of Surgery and Medical Director of the breast care program at Northwestern Lake Forest Hospital in February 2013. Dr. Breslin comes to Northwestern from the University of Michigan Department of Surgery, Division of Surgical Oncology, where she served as Assistant Professor of Surgery since 2007. Previously, Dr. Breslin was an Assistant Professor of Surgery at the University of Wisconsin. Dr. Breslin received her undergraduate degree from the University of Illinois and her medical degree from Baylor College of Medicine in Houston. She completed her general surgery residency at Baylor College of Medicine and her fellowship in surgical oncology from M.D. Anderson Cancer Center in Houston. She also holds a master's degree in population health sciences.

Dr. Karen J. Ho joined the Division of Vascular Surgery as an Assistant Professor of Vascular Surgery on August 30, 2013. Dr. Ho is a graduate of Yale College and Harvard Medical School. She completed a residency in general surgery as well as a fellowship in vascular and endovascular surgery at Brigham and Women's Hospital, a Harvard teaching hospital. Dr. Ho received an NIH T32 vascular surgery training grant as well as numerous awards for research and teaching. She has published and presented on subjects including carotid and peripheral vascular disease.

Dr. Ho is a surgeon-scientist with a focus encompassing clinical vascular surgery and basic science research. Dr. Ho's current research interests are primarily focused on chronic kidney disease, wound healing, and peripheral vascular disease. She is specifically interested in the effect of chronic kidney disease on the vascular wound healing response.


Tobias O, Abicht, MD


Publications


Mohammed Alghoul, MD
Honors/Awards

Presentations
Relationship of the Zygomatic Facial Nerve to Retaining Ligaments of the Face: The sub SMAS Danger zone. Presented at the Annual Meeting of the American Society of Plastic Surgeons, October 28 2012, New Orleans, LA


Carl Backer, MD
Publications

Mavroudis C, Deal BJ, Backer CL: Surgical Therapy of Arrhythmias and Conductive Disorders. In: da Cruz, E.


Presentations


Presentations

Presentations
Baker TB, Abecassis M, Levitisky T. To kidney or not to kidney, when...is the question. Liver Transpl. 2012; 18:875-7.


Baker TB, Abecassis M, Levitisky T. To kidney or not to kidney, when...is the question. Liver Transpl. 2012; 18:875-7.

Baker TB, Abecassis M, Levitisky T. To kidney or not to kidney, when...is the question. Liver Transpl. 2012; 18:875-7.

Baker TB, Abecassis M, Levitisky T. To kidney or not to kidney, when...is the question. Liver Transpl. 2012; 18:875-7.

Baker TB, Abecassis M, Levitisky T. To kidney or not to kidney, when...is the question. Liver Transpl. 2012; 18:875-7.

Baker TB, Abecassis M, Levitisky T. To kidney or not to kidney, when...is the question. Liver Transpl. 2012; 18:875-7.

Baker TB, Abecassis M, Levitisky T. To kidney or not to kidney, when...is the question. Liver Transpl. 2012; 18:875-7.

Baker TB, Abecassis M, Levitisky T. To kidney or not to kidney, when...is the question. Liver Transpl. 2012; 18:875-7.

Baker TB, Abecassis M, Levitisky T. To kidney or not to kidney, when...is the question. Liver Transpl. 2012; 18:875-7.

Baker TB, Abecassis M, Levitisky T. To kidney or not to kidney, when...is the question. Liver Transpl. 2012; 18:875-7.


Barsness, KA; Rooney, DM; Davis, L; Vozenilek, JA. “Validation Measures from a Thoracoscopic Diaphragm Simulator.” American Academy of Pediatrics, Section on Surgery, October 2012. New Orleans, LA

Barsness, KA; Davis, LM; Rooney, DM; Chinn, AC. “Validation Measures from a Thoracoscopic Esophageal Fistula Repair Simulator.” J Pediatr Surg. Accepted May 2013


Barsness, KA. “Thoracoscopic Neonatal Diaphragmatic Hernia Simulator.” International Pediatric Endosurgery Group, International Pediatric Surgical Association, Marco Island, FL


Katherine A. Barsness, MD, MS

Honors/Awards
Outstanding Teacher, Northwestern University Feinberg School of Medicine Surgical Clerkship

Named Vice-chair, American Pediatric Surgical Association Industry Advisory Committee

Named Program Co-Chair, International Pediatric Endosurgery Group 23rd Annual Congress in Edinburgh, Great Britain

Named Co-chair Continue Medical Education (CME) Committee, International Pediatric Endosurgery Group

Elected into Feinberg Academy of Medical Educators (FAIME), Northwestern University Feinberg School of Medicine - four year appointment

Presentation
Update of Thoracic Disorders in Children. St. Joseph’s Hospital Department of Surgery Core Curriculum

Update on Common Pediatric Surgical Disease. St. Joseph’s Hospital Department of Surgery Core Curriculum

Minimally Invasive Repair of Diaphragmatic Hernias.

Advanced Minimally Invasive Surgery for Pediatric Surgery Fellows’ Course


Update on Pediatric Minimally Invasive Surgery, Illinois Surgical Society Annual Meeting. May 2013. Chicago, IL


Barnes, KA; Rooney, DM; Davis, LM; Chin, AC. “Validation Measures from a Thoracoscopic Esophageal Fistula Repair Simulator.” J Pediatr Surg. Accepted May 2013


Director, 2012 Pediatric Surgery Fellows’ Course in Minimally Invasive Surgery, Chicago, IL

Director, Endoscopic Simulation Course, American Pediatric Surgical Association, Marco Island, FL

Director, High Fidelity Endoscopy Simulation Course, American Pediatric Surgical Association, Marco Island, FL

Director, Advanced Minimally Invasive Hands-on Animates Course, International Pediatric Endosurgery Group, Beijing, China

Faculty, Advanced Minimally Invasive Simulation Endoscopic Pediatric Endosurgery Group, Beijing, China

Publications
Davis, LM; Barsness, KA; Rooney, DM. “The Design and Development of a Novel Thoracoscopic Tracheoesophageal Fistula Repair Simulator.” Stud Health Technol Inform Dec 2012;184:114-6


Meyer, M; Barsness, KA. “Umbilical Arteriovenous Malformation: Case Report and Literature Review.”
Faculty Honors, Awards, Presentations & Publications


Publications

Tara M. Breslin, MD

Publications

Marybeth Browne, MD, MS

Honors/Awards
Named Chairperson of the Quality and Safety Committee for the Department of Surgery, Lurie Children’s Hospital

Presentations
“Update on Pediatric NSQIP.” The Illinois Surgical Society, Chicago, IL 2013

Publications


Zeehan Butt, PhD

Honors/Awards
Named to Editorial Board, Health Psychology.

Named to Editorial Board, Journal of Clinical Psychology in Medical Settings

Named to Merit Review Panel, Patient Centered Outcomes Research Institute (PCORI)

Named to Research Committee, Marie Curie Cancer Care – UK

Awarded 2012 Presidential Citation for Service Excellence, Division 38 (Health Psychology), American Psychological Association

Awarded 2013 Poster Session Award, Annual Meeting of the Society for Maternal-Fetal Medicine

Named 2013 Finalist, International Society for Qualifying of the Society for Maternal Psychology, American Psychological Association

Awarded 2013 Editorial Appreciation Award for Health Psychology, 2012-2013

Co-Chair, Abstract Review Committee, Translational, Psychosocial and Treatment Adjunct, American Transplant Congress annual meeting

Chair, Early Career Professionals Council, Division 38 (Health Psychology), American Psychological Association

Member, Board of Directors, Division 38 (Health Psychology), American Psychological Association

Member, Committee on Division/APA Relations, American Psychological Association

Presentations

In D. Dean (Chair), Training models and professional identities in health psychology. Symposium presented at the annual convention of the American Psychological Association, Orlando, FL.


Butt, Z. (2012, August). The role of health psychology in organizing and facilitating transplantation. Invited workshop presented at the Division of Science’s Psychosocial and Treatment Adherence, American Psychological Association, Orlando, FL.


Zeehan Butt, PhD

Members/Awards

Zeehan Butt, PhD

Members/Awards


“Maximally Invasive Teaching” presented for University of Utah Surgical Program Directors/Coordinators and “Ultimate Multitasking: Teaching and Assessing in the OR” presented for University of Utah Neurosurgery Conference, Salt Lake City, UT. December 11-12, 2012.


“Comparison of Resident and Faculty Perceptions of Actual and Ideal Operative Autonomy.” (co-author) presented at the Annual International Association of Medical Science Educators, Scotland, UK. June 8-11, 2013.

“Duration of Faculty Training Needed to Ensure Reliable OR Performance Ratings.” (co-author) presented at the Association for Surgical Education’s Surgical Education Week, Orlando, FL. April 23-27, 2013.


“Teaching and Assessing Residents in the Operating Room,” (co-author) presented at the Association for Surgical Education’s Surgical Education Week, Orlando, FL. April 23-27, 2013.


“Pears for Teaching the Teacher” and “Motivating Faculty to Teach.” Program Directors’ School, American Congress of Obstetrics and Gynecologists (ACOG). Council on Resident Education in Obstetrics and Gynecology (CREOG). Baltimore, MD. July 2013.

“Pears for Teaching the Teacher” and “Motivating Faculty to Teach.” Program Directors’ School, American Congress of Obstetrics and Gynecologists (ACOG). Council on Resident Education in Obstetrics and Gynecology (CREOG). Baltimore, MD. July 2013.


“Pears for Teaching the Teacher” and “Motivating Faculty to Teach.” Program Directors’ School, American Congress of Obstetrics and Gynecologists (ACOG). Council on Resident Education in Obstetrics and Gynecology (CREOG). Baltimore, MD. July 2013.


Malcolm DeCamp, MD

Honor/Awards

Elected to membership in the American Surgical Association, 2012 -

Presentations


Visiting Professor, Invited lecture, Tri-Service General Hospital. “Interventions for Emphysema: Beyond Best Medical Care” Taipei, Taiwan, 2013.


Publications


Tsuchida H, Majid A, Kent MS, Ernst A, DeCamp MM, Ganghadaran SP. Two-staged end-to-end recon-


Vartolojo J, Medford-Davis LN, Recht A, Flickinger JC, Schaefer E, Reed M, Toth J, Hess C. DeCamp MM. Identification of patients with Stage I non-small cell lung cancer at high risk for local recurrence following limited resection. Chest 2013 May 1;143(5):1365-77.


Alberi de Hoyos, MD

Honors/Awards
Promotion to Associate Professor of Surgery, 2012
Chief of Thoracic Surgery, Jesse Brown VA Hospital, Chicago, 2013
Appointed to the Board of Directors of the American Lung Association, 2013
American Lung Association Health Lung Expo Planning Committee Chairperson, November 2012 to May 2013

Publications
de Hoyos A, DeCamp M. Reection of Esophageal Leiomyoma and GIST: Master Techniques in General Surgery: Esophageal Surgery. 2013


Presentations
de Hoyos A, S-ACS-ACP Advanced Diagnostic and Therapeutic Bronchoscopy: Endobronchial Devices, and the Bronchoscopic Management of Persistent Air Leaks, Wheeling, IL, August 2012


Mark K. Eskandari, MD

Presentations


Lecturer, ’Inferior Vena Cava Filters’, Chicago Vascular Society, Chicago, IL, April 27, 2013.

Lecturer, ’Management of Late EVAR Failures’, Peking Union Medical College Hospital, Beijing, China, June 21, 2013.

Lecturer, ’Management of Late EVAR Failures’, Peking Union Medical College Hospital, Beijing, China, June 21, 2013.

Publications


Jeffrey S. Fronza, MD

Presentations
Invited Speaker, Healthy Transitions Series at Northwestern Memorial Hospital. “Prevention, Detection, and Treatment of Colorectal Cancer”. March 2013


Invited Speaker, Saint Mary & Elizabeth Medical Center, “Update on Surgical Treatment of Colorectal Cancer”, August 2013

Jonathan Fryer, MD

Honors/Awards
2012 American Board of Surgery, Qualifying Exam Consultant
2012 Promotion to Professor
2012-Present, NIH Study Section, “Clinical Trials in Organ Transplantation in Children”

Presentations
Final year outcomes in SBS: IR vs. Tx, ThriveRx Short Bowl Conference, Boston, MA October 2012

The Role of the ASTS Academic Universe in Transplant Surgery Fellowship Training, ASTS, Miami, FL January 30-February 2, 2013

Training and Assessing Surgeons After Residency, American Association of Neurological Surgeons Scientific Meeting, New Orleans, LA April 28-29, 2012

Teaching and Assessing Residents in the Operating Room, Surgical Education Week, Orlando, FL April 22-27, 2013

Training the Next Generation of Transplant Physicians and Surgeons, American Transplant Congress, Seattle, WA May 18-22, 2013

Publications


Faculty Honors, Awards, Presentations & Publications


Transitions Back to the Community, LVAD as Destination Therapy for Advanced Heart Failure. Eighth Annual International Symposium on the Bluhm Cardiovascular Institute, Center for Heart Failure and Feinberg School of Medicine, Northwestern University. Chicago, IL. 2012.


Quality of Life Research in Cardiac Disease. 39th Ten-Day Seminar on Epidemiology and Prevention of Cardiovascular Disease (sponsored by the AHA & CDC). Lake Tahoe, CA. 2013.

Cardiovascular Quality of Care and Outcomes Research, 39th Ten-Day Seminar on Epidemiology and Prevention of Cardiovascular Disease (sponsored by the AHA & CDC). Lake Tahoe, CA. 2013.


Publications


Amy Halverston, MD

Presentations


Publications


Nora Hansen, MD

Honors/Awards
Nominated Chief, Division of Breast Surgery, September 2012.

Castle Connolly Top Doctors for Cancer June 2013

Castle Connolly Patients’ Choice Award, June 2013

Vitals Most Compassionate Doctor Award, June 2013

Presentations


Invited Speaker, How Do You Manage a Patient with a Positive Sentinel Node? Division of Plastic Surgery, Castle Connolly Patients’ Choice Award, June 2013


Invited faculty lecturer Feinberg School of Medicine, Department of Surgery, Core Curriculum lecture, The Breast 5th Ed: Lippincott, Williams &Wilkins, New York, In Press.


Presentations
Invited lecturer, Hoel AW. Endovascular Repair of Complex Aortic Aneurysms, St. Mary’s and Elizabeth Hospital Grand Rounds, Chicago, IL. June 2013.


Publications


Seok Jong Hong, PhD

Publications


Seok J Hong*, Shengxian Jia, Ping Xie, Wei Xu, Kai
Mary Hummell, PhD

Presentations


Publications


Publications


Seem a Khan, MD

Honors/Awards

2013 Outstanding Teacher Award by Emergency Medicine Department, Northwestern University

Presentations

Founding committee member; “Fundamentals of Academic Career in Surgical Education Course.” ASE annual meeting, Orlando, FL, April 22, 2013.

Surgical Education Week – ASE annual meeting “Surgery Sub I: What student’s need and what we should provide.” Orlando, FL April 22, 2013.

Publications

Nabil Issa, MD

Honors/Awards

2013 Outstanding Teacher Award by Emergency Medicine Department, Northwestern University

Presentations

Founding committee member; “Fundamentals of Academic Career in Surgical Education Course.” ASE annual meeting, Orlando, FL, April 22, 2013.

Surgical Education Week – ASE annual meeting “Surgery Sub I: What student’s need and what we should provide.” Orlando, FL April 22, 2013.


Melina R. Kibbe, MD

Honors/Awards
Promoted to Professor, September 2013

Presentations


Invited lecturer, Kibbe, MR. Everything You Want to Know About Preparing & Reforming Scientific Manuscripts, 23rd Annual Fundamentals of Surgical Research Course, Association for Academic Surgery, Chicago, IL, September 29, 2012.


Invited lecturer, Kibbe, MR. Writing an Abstract, Introduction to Academic Vascular Surgery, Center for Advanced Medical Learning and Simulation, Tampa, FL, April 11, 2013. PMID:23317009

Invited lecturer, Kibbe, MR. A Basic Science Career - Pitfalls to Avoid, Introduction to Academic Vascular Surgery, Center for Advanced Medical Learning and Simulation, Tampa, FL, April 5, 2013.

Invited lecturer, Kibbe, MR. My Journey, Introduction to Academic Vascular Surgery, Center for Advanced Medical Learning and Simulation, Tampa, FL, April 5, 2013.

Presenter, Welcome and Introduction, Fundamentals of Surgical Research and Academic Career Development Course of the Association for Academic Surgery, Cernobbio, Italy November 13, 2012.


John Kim, MD

Honors/Awards


Todd A. Kuiken, MD, PhD
Honors/Awards
American Academy of PM&R, C Bradmore Research Award, March 2013.

Honorary Member, American Assoc. of Orthotists and Prosthetists, February, 2013

Presentations

Kuiken TA, Building Bionics, Fermi National Laboratories, Batavia, IL, January 18th, 2013.


Publications
Hargrove LG, Simon AM, Young A, Lipschutz RD, Finucane S, Smith DG and Kuiken TA. Co-Coding Leg Control with EMG Decoding by an Amputee with Nerve Transfers. NEJM, Accepted March 2013.


Scientific Session Chair - ASHI Annual Meeting, October 2012

Presentations
Invited Speaker: American Transplant Congress


Publications


James M. Mathew, PhD
Honors/Awards
Appointed ASHI Co-Chair of Publications Committee, American Society for Histocompatibility & Immunogenetics (ASHI), December 2011

Scientific Session Chair - ASHI Annual Meeting, October 2012

Presentations
Invited Speaker: American Transplant Congress


Publications


invoked cost effective in the non-surgical elderly popula-


Invited Co-Chair. American College of Cardiology 6th Annual Scientific Session & Expo/TCT@ACC-ID 12. Mitral Regurgitation due to Left Ventricular Dysfunc-
tion: Etiologies and Optimal Treatment. San Fran-
cisco, CA, March 2013.


Invited Co-Chair. Second Annual Chicago Cardiovas-


Invited Speaker. Second Annual Chicago Cardiovas-

Publications

Carr SJ, Carr J, Mikati I, Rigolin V, Yip BK, Lapin B, McCarthy PM. Cardiac magnetic resonance imaging is more diagnostic than 2-dimensional echocar-

Takeda K, Ahmad U, Malaisrie SC, Lee R, McCarthy PM, McGee EC Jr. Successful implantation of HeartWare HVAD left ventricular assist device with con-


Sales VL, McCarthy PM, Carr JC, Mehman D, Lo-

Faculty Honors, Awards, Presentations & Publications


Edwin C. McGee, Jr., MD

Honors/Awards

Appointed ASAIO Board of Trustees, June 2013

ASAIO Editorial Board, August 2013

Presentations

Invited Speaker. The Patient with Heart Failure and Severe Valvular Disease. “Can I Ignore TR in My Patient with Left-Sided Valvular Heart Disease” 16th Annual Scientific Meeting of the HFSA, Seattle Washington, September 2012.


Cardiac Session V: Co-Chair. Improvements in device technology and the future of LVAD therapy, Heart Failure holiday symposium, Chicago, IL, November 2012.

Cardiac Session V: Co-Chair, Heart Failure, BCVI Second Annual Cardiovascular Update July 11-13, 2013, Chicago, IL.

Publications


Michael F. McGee, MD

Honors/Awards


American College of Surgeons, Invited Faculty, Basic Endoscopy Course, 2012 Clinical Congress

Excellence in Teaching Award, Department of Surgery, Feinberg School of Medicine, Northwestern University, 2012, 2013

Presentations

“Teaching and Preparation for Education for Your Stoma Patient”, American College of Surgeons Clinical Congress, October 2012, Chicago, IL.

“Laparoscopic Colorectal Surgery”, SAGE Basic Endoscopy and Laparoscopic Course for Residents. October 2013, Atlanta, GA.

“Patient Education – The Next Frontier for Surgical Outcomes, Quality of Life, and Reimbursement” Northwestern University, Department of Surgery Grand Rounds, May 23, 2013


“Management of Crohn’s Disease: Surgical Perspectives of a Medical Disease (and vice versa)”. Mount Sinai Hospital Grand Rounds, August 2013.

Publications


American College of Surgeons (as co-author), Central Venous Access Device Home Skills Kit, 2013, in press.


Shari Meyerson, MD

Honors/Awards

Chair 2012-2013 of the Thoracic Surgery Program Committee

Promotion to Program Director of Cardiothoracic Surgery, 2013

Presentations

Meyerson SL. Minimally invasive thoracic surgery. Association of Surgical Assistants, Elmhurst IL, October 20, 2012


Joshua Miller, MD

Publications


William Pearce, MD

Presentations

Publications


Marleta Reynolds, MD

Honors/Awards
Jonas Salk Leadership Award for Lifetime Achievement, March of Dimes, November 2012.

Presentations
James Waidner - Visiting Professor Lectureship: Children’s Hospital of Orange County, University of California, Irvine, Irvine, CA, Feb 27 – March 1, 2013.

Introduction to ECMO & Pulmonary Hypertension. ECMO course. Ann & Robert H. Lurie Children’s Hospital of Chicago, Chicago, IL, October 2012.

Publications


Anat R. Tambur, DMD, PhD

Presentations
invited speaker - American Society of Histocompatibility and Immunogenetics, Annual Meeting Puerto Rico, October 2012. HLA-DQ epitopes in Organ Transplantation.

invited speaker - American Society of Transplantation: Cutting Edge of Transplantation (CEOT), Chantler AZ, February 2013

Virtual Crossmatching: Good? In Avoiding the probability and Immunogenetics, Annual Meeting Puerto Rico, October 2012. HLA-DQ epitopes in Organ Transplantation.

invited speaker - Canadian Society of Transplantation (CST), Lake Louise, Alberta, Canada, March 2013. Understanding and Trusting the Virtual XM.


Publications
Askar, M; Daighazi, J; Thomas, D; Leahy, N; Dunn, P; Clas, O; Doran, S; Sajl, H; Kanangati, S; Kavallierou, M; Tambur, A; Monos, D; El-Khaflla, M; Turner, V; Kamau, M; Mustafa, M; Raimon, D; Gan, D; Mernagh, V; Zeevi, A; Heeger, PS; Gjertson, D. Comprehensive assessment and standardization of 17f phase multiplex arrays for the detection of antibodies to HLA. Am J Transplant 13:1859-1870, 2013 (Figure is featured on cover page).


Ladner DP, Skaro A, Abecassis MM. Are all retransplants the same? Liver Transpl 2012 Sep;18(9):1007-8.


Ladner DP, Skaro AI, Abecassis MM. Are all retransplants the same? Liver Transpl 2012 Sep;18(9):1007-8.


Nathaniel J. Soper, MD

Honors/Awards
Named Chair for the “Summer Intensive” Program for George Westinghouse College Prep High School, Chicago, IL, July 2013

Named President for Central Surgical Association, March 2013

Named Layton Rikkers Lecturer, University of Nebraska, Omaha, NE, September 2012

 Named Founder’s Lecturer, North Pacific Surgical Association, Spokane, Washington, November 2011

Named Royal College of Physicians & Surgeons of Canada Lecturer, North Pacific Surgical Association, Spokane, Washington, November 2012

Named John H. and Cynthia H. Schultz Endowed Lecture, University of Colorado, Department of Surgery, Aurora, Colorado, January 2013

Named in the 2013 edition of Chicago Super Doctors®

Named “Best Doctor” by US News & World Report, June 2013

Presentations
Invited Faculty: “Endoscopic vs. Surgical treatment of Achalasia” Round Table, Chicago Live 2012 Endoscopic Innovations and Practical Applications, Chicago, IL, August 24, 2012

Invited Lecturer: “Minimally Invasive GI Surgery: Past, Present and (?) Future” University of Nebraska, Omaha, NE, September 19, 2012


Invited Lecturer: “Treatment of Complications Associated with Anti-Reflux Surgery: Persistent Dysphagia.” American College of Surgeons 98th Clinical Congress, Chicago, IL, October 1, 2012

Invited Lecturer: “Intra-Operative Use of EndoFLIP: Where Do We Stand Now?”, IRCAD, Strasbourg, France, October 18, 2012

Invited Lecturer: EndoFLIP-Distensibility and Re-do Functional Surgery”, IRCAD, Strasbourg, France, October 18, 2012


Invited Lecturer: “NOTES”, IRCAD, Strasbourg, France, October 20, 2012


Invited Lecturer: “Minimally Invasive GI Surgery: Past, Present and (?) Future”, University of Massachusetts, October 24, 2012

Invited Founder’s Lecturer: “Minimally Invasive GI Surgery: Past, Present and (?) Future”, University of Massachusetts, October 24, 2012


Invited Lecturer: “Presentation: Persistent Dysphagia”, SAGES, Baltimore, Maryland, April 18, 2013


Invited State of the Art Lecturer: “Update on NOTES”, Annual Meeting of the Mexican Association of Endoscopic Surgery, Mazatlan, Mexico, May 1, 2013

Invited Lecturer: “Safe Laparoscopic Cholecystectomy”, Annual Meeting of the Mexican Association of Endoscopic Surgery, Mazatlan, Mexico, May 1, 2013


Invited Lecturer: “How to prevent common bile duct injuries?”, Annual Meeting of the Mexican Association of Endoscopic Surgery, Mazatlan, Mexico, May 1, 2013


Publications


Soper NJ (2013). Opinion. Are there significant advantages for robotic vs. laparoscopic surgery? There is a question of value” ACS Surgery News 9 (2).


Steven J. Stryker, MD

Honors/Awards
Named Visiting Professor, Mayo Clinic, Rochester, Minnesota, September 27, 2012.

Publications

Cord Surgeon, MD

Honors/Awards
Elected to the Executive Council American Association of Endocrine Surgeons, April 2013

Named Chair of Education and Research Committee of American Association of Endocrine Surgeons, July 2013

Elected to Nominating Committee, Association for Academic Surgery, Feb 2013

Chair of American College of Surgeons Metropolitan Chicago Committee on Applicants, September 2012

Editorial Board, Clinical Thyroidology December 2012

Editorial Board, Thyroid. December 2012 Course Co-editor: American College of Surgeons Exported Course on Thyroid and Parathyroid Ultrasound – April 13, 2013

Presentations

Thyroid Cancer Public Education Symposium. Recurrent Thyroid Cancer, April 6, 2013. Robert H. Lurie Medical Research Building, Chicago, IL.


American College of Surgeons Exported Course on Thyroid and Parathyroid Ultrasound. Fine Needle Aspiration Biopsy – April 13, 2013. Chicago, IL.

World Congress on Thyroid Cancer Advanced Thyroid Ultrasound Course. Ultrasound guided fine needle aspiration biopsy techniques. July 10, 2013.

Publications
plantation

2013-Present, Cell Transplant Committee, American Society of Transplant Surgeons

2012-Present, Tissue Engineering & Regenerative Medicine International Society (TERMIS)

2013-Present, Alliance for Regenerative Medicine, Institutional Member

2013-Present, Association for Academic Surgery

Presentations

Wertheim, JA. Faculty and invited discussant, “Transplantation and Tissue Engineering” session. American College of Surgeons 98th Annual Clinical Congress, Chicago, IL (October 2012).


Wertheim, JA. “Tissue Engineering and Organ Transplantation: A convergence of two fields.” University of New Mexico, Department of Pathology Grand Rounds (February 2013).


Publications


James S.T. Yao, MD, PhD

Publications

<table>
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<tr>
<th>Date</th>
<th>Event</th>
<th>Speaker(s)</th>
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<td>9/12/2013</td>
<td>Faculty Meeting</td>
<td>TBD</td>
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<tr>
<td>9/19/2013</td>
<td>Planning Lectures That Work</td>
<td>Deb DaRosa, PhD</td>
<td>6th Floor, VC Room—Arkes Building</td>
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<tr>
<td>9/26/2013</td>
<td>Gerald Ujiki Education Grand Rounds &amp; Teaching Awards</td>
<td>Bruce Gewertz, MD Cedars-Sinai Health System</td>
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<td>10/24/2013</td>
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<td>Research Residents</td>
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<td>11/21/2013</td>
<td>Harold Method Lectureship</td>
<td>Julie Freischlag, MD The Johns Hopkins Hospital</td>
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<tr>
<td>12/5/2013</td>
<td>What’s SOQIC? Current Local, Regional, and National Initiatives to Improve Surgical Quality</td>
<td>Karl Bilimoria, MD</td>
<td>6th Floor, VC Room—Arkes Building</td>
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<tr>
<td>12/12/2013</td>
<td>“Having It All” Is it a Myth?</td>
<td>Marleta Reynolds, MD</td>
<td>6th Floor, VC Room—Arkes Building</td>
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<td>1/9/2014</td>
<td>TBD</td>
<td>Mamta Swaroop, MD</td>
<td>6th Floor, VC Room—Arkes Building</td>
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<td>1/16/2014</td>
<td>TBD</td>
<td>Melina Kibbe, MD</td>
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<tr>
<td>1/23/2014</td>
<td>State of the Department</td>
<td>Nathaniel J. Soper, MD</td>
<td>6th Floor, VC Room—Arkes Building</td>
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<tr>
<td>2/13/2014</td>
<td>Regional Quality Improvement Collaborative in Breast Cancer</td>
<td>Tara Breslin, MD</td>
<td>6th Floor, VC Room—Arkes Building</td>
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<tr>
<td>2/20/2014</td>
<td>Loyal Davis Lectureship</td>
<td>Selwyn Vickers, MD</td>
<td>6th Floor, VC Room—Arkes Building</td>
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<td>3/6/2014</td>
<td>Bergan Lectureship</td>
<td>William Flinn, MD</td>
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<tr>
<td>3/13/2014</td>
<td>Research Presentations</td>
<td>Research Residents</td>
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<td>3/20/2014</td>
<td>Mayo Lectureship</td>
<td>Carlos Pellegrini, MD</td>
<td>University of Washington</td>
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<td>4/17/2014</td>
<td>Faculty Meeting</td>
<td>TBD</td>
<td>6th Floor, VC Room—Arkes Building</td>
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<td>Quality Improvement Presentations</td>
<td>Ravi Rajaram, MD; Brett Duncan, MD; and Bill Luo</td>
<td>6th Floor, VC Room—Arkes Building</td>
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<tr>
<td>5/1/2014</td>
<td>Joe - Evolution of Surgical Management for COPD</td>
<td>Joe Phillips, MD; and Ashley Hardy, MD</td>
<td>6th Floor, VC Room—Arkes Building</td>
</tr>
<tr>
<td>5/15/2014</td>
<td>Shields Lectureship</td>
<td>David Sugarbaker, MD</td>
<td>Brigham and Women’s Hospital</td>
</tr>
<tr>
<td>5/22/2014</td>
<td>Chief Presentations</td>
<td>Geoff Chow, MD; Jessica Naiditch, MD; and Akhil Seth</td>
<td>6th Floor, VC Room—Arkes Building</td>
</tr>
</tbody>
</table>

**Save the Date**

Edelstone-Bendix Resident Research Day and Faculty Retreat will be held on June 20, 2014