

BOSTON UNIVERSITY School of Medicine
Department of Surgery

Annual Report 2014

Providing the best surgical patient care
Conducting world-class research
Teaching tomorrow's leaders





Over the past year, the Department of Surgery at Boston University School of Medicine has been productive and successful, making progress in the department's mission to provide the finest surgical patient care, conduct world-class research and offer state-of-the-art education.

This academic year we saw our faculty continue to grow. We welcomed the following members to our group: Angela Kuhnen, MD, Colon and Rectal Surgery; Smita Ramanadham, MD, Plastic and Reconstructive Surgery; Teviah Sachs, MD, MPH, Surgical Oncology; Robert W. Schulze, MD, FACS, FCCM, Acute Care & Trauma Surgery/Surgical Critical Care; Jeffrey Siracuse, MD, RPVI, Vascular and Endovascular Surgery; and Vitaliy

Volansky, DPM, Podiatry Surgery.

With an ongoing focus on enriching surgical education, the department was fortunate to recruit Douglas F. Kauffman, PhD, as the new associate chair for education. This past spring we completed the successful reaccreditation of our Surgery Residency Program through 2024 by the Accreditation Council for Graduate Medical Education (ACGME) and Dr. Donald Hess took over as program director.

The department is also advancing in surgical research. One such case is the work of Alik Farber, MD, chief, Vascular and Endovascular Surgery, who along with colleagues at Brigham and Women's Hospital and Massachusetts General Hospital was awarded \$25 million by the National Institutes of Health to conduct a four-year, randomized clinical trial. The trial will compare traditional bypass surgery with the less invasive alternative of endovascular treatment for patients with critical limb ischemia.

This year we also embarked on a significant milestone for the institution — a multi-year transformation of our clinical campus. This transformation is to prepare the hospital to thrive well into the future. The multi-year redesign will expand the Emergency Department, create a state-of-the-art Radiology Department next to the ED, a centralized location for modern operating room suites and consolidate the Intensive Care Units in one location. The result will be a modern, welcoming and more efficient space to provide the best possible care to patients.

Whether through the education of the next generation of surgeons or pioneering research, the Department of Surgery is uniquely poised to be a major provider of clinical services to the citizens of New England and an educational epicenter in the surgical field.

Gerard Doherty, MD
*James Utley Professor and Chair, Department of Surgery,
Boston University School of Medicine
Surgeon-in-Chief, Boston Medical Center*

DEPARTMENT OF SURGERY: 2014 BY THE NUMBERS

Divisions/Sections: 14

Clinical Faculty (BMC): 41

Affiliated Faculty: 15

Residents and Fellows: 41

ACGME-Accredited Surgical Residencies: 1

ACGME-Accredited Specialty Fellowships: 2

OR Procedures: 7,365

Outpatient Visits: 48,571



DEPARTMENT OF SURGERY FACULTY

BU School of Medicine attracts distinguished and highly accomplished faculty who are dedicated to the academic and clinical missions of the School. Our faculty is engaged in treating diverse patient populations, providing patient-centered training and performing cutting-edge research. Many of our faculty are nationally renowned, providing the latest technologically advanced treatments.

Acute Care & Trauma Surgery/Surgical Critical Care



Peter Burke, MD
Section Chief, Acute Care & Trauma Surgery
Professor of Surgery,
Boston University School of Medicine



Robert Schulze, MD
Section Chief, Surgical Critical Care
Associate Professor of Surgery,
Boston University School of Medicine

John M. Kofi Abbensetts, MD, Assistant Professor of Surgery,
Boston University School of Medicine

Tracey Dechert, MD, Assistant Professor of Surgery,
Boston University School of Medicine

Andrew Glantz, MD, Associate Professor of Surgery,
Boston University School of Medicine

George Kasotakis, MD, MPH, Assistant Professor of Surgery,
Boston University School of Medicine

Bedabrata Sarkar, MD, PhD, Laszlo N. Tauber Assistant
Professor of Surgery, Boston University School of Medicine

Lisa Allee, MSW, LICSW, Instructor of Surgery, Boston
University School of Medicine

Cardiac Surgery



Karl Karlson, MD
Division Chief, Cardiac Surgery
Assistant Professor of Surgery,
Boston University School of Medicine

Harold Lazar, MD, Professor of Surgery,
Boston University School of Medicine

Colon and Rectal Surgery

Angela Kuhnen, MD, Assistant Professor of Surgery, Boston
University School of Medicine

Hiroko Kunitake, MD, MPH, Assistant Professor of Surgery,
Boston University School of Medicine

Minimally Invasive and Weight Loss Surgery



Donald Hess, MD
Section Chief, Minimally Invasive and
Weight Loss Surgery
Assistant Professor of Surgery,
Boston University School of Medicine

Brian Carmine, MD, Assistant Professor of Surgery,
Boston University School of Medicine

Nicole Kissane-Lee, MD, EdM, Assistant Professor of
Surgery, Boston University School of Medicine

Pediatric Surgery



Catherine Chen, MD, MPH
Section Chief, Pediatric Surgery
Assistant Professor,
Harvard Medical School

Thomas Hamilton, MD, Assistant Professor,
Harvard Medical School

Konstantinos Papadakis, MD, Instructor,
Harvard Medical School

Jason Smithers, MD, Instructor, Harvard Medical School

Jay Wilson, MD, Associate Professor, Harvard Medical School

Plastic and Reconstructive Surgery



Jaromir Slama, MD
Division Chief, Plastic and
Reconstructive Surgery,
Assistant Professor of Surgery,
Boston University School of Medicine

Nilton Medina, MD, Assistant Professor of Surgery,
Boston University School of Medicine

Smita Ramanadham, MD, Assistant Professor of Surgery,
Boston University School of Medicine



Podiatry Surgery



Geoffrey Habershaw, DPM
Division Chief, Podiatry Surgery
Assistant Professor of Surgery,
Boston University School of Medicine

Ewald Ray Mendezsoon Jr., DPM, Instructor of Surgery,
Boston University School of Medicine

David Negron, DPM, MBA, Instructor of Surgery,
Boston University School of Medicine

Justin Ogbonna, DPM, Instructor of Surgery,
Boston University School of Medicine

Hau Pham, DPM, Assistant Professor of Surgery,
Boston University School of Medicine

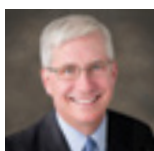
Vitaliy Volansky, DPM, Instructor of Surgery,
Boston University School of Medicine

Surgery Education Office



Douglas Kauffman, PhD
Associate Chair for Education
Associate Professor of Surgery,
Boston University School of Medicine

Surgical Endocrinology



Gerard Doherty, MD
Section Chief, Surgical Endocrinology
James Utley Professor and Chair,
Department of Surgery,
Boston University School of Medicine
Surgeon-in-Chief, Boston Medical Center

David McAneny, MD, Associate Professor of Surgery,
Boston University School of Medicine

Teviah Sachs, MD, MPH, Assistant Professor of Surgery,
Boston University School of Medicine

Surgical Oncology



David McAneny, MD
Section Chief, Surgical Oncology
Associate Professor of Surgery,
Boston University School of Medicine

Gerard Doherty, MD, James Utley Professor and Chair,
Department of Surgery, Boston University School of Medicine
Surgeon-in-Chief, Boston Medical Center

Maureen Kavanah, MD, Associate Professor of Surgery,
Boston University School of Medicine

Jane Mendez, MD, Associate Professor of Surgery, Boston
University School of Medicine

Teviah Sachs, MD, MPH, Assistant Professor of Surgery,
Boston University School of Medicine

Surgical Research



Tony Godfrey, PhD
Associate Chair of Research
Associate Professor of Surgery,
Boston University School of Medicine

Marina Malikova, PhD, Instructor, Master of Science in
Clinical Investigation (MSCI) Program, Division of Graduate
Medical Sciences, Boston University School of Medicine
Instructor, Biomedical Laboratory and Clinical Sciences (BLCS),
Division of Graduate Medical Sciences, Boston University
Metropolitan College

Thoracic Surgery



Hiran Fernando, MBBS, FRCS
Division Chief, Thoracic Surgery
Professor of Surgery, Boston University School
of Medicine

Virginia Litle, MD, Associate Professor of Surgery,
Boston University School of Medicine

Transplant Surgery



Matthew Nuhn, MD
Division Chief, Transplant Surgery
Assistant Professor of Surgery,
Boston University School of Medicine

Amitabh Gautam, MD, FRCS, Assistant Professor of Surgery,
Boston University School of Medicine

Vascular and Endovascular Surgery



Alik Farber, MD
Division Chief, Vascular and Endovascular
Surgery
Associate Professor of Surgery,
Boston University School of Medicine

Mohammad Eslami, MD, Associate Professor of Surgery,
Boston University School of Medicine

Jeffrey Kalish, MD, Assistant Professor of Surgery,
Boston University School of Medicine

Jeffrey Siracuse, MD, RPVI, Assistant Professor of Surgery,
Boston University School of Medicine

Jonathon Woodson, MD*, Professor of Surgery, Boston
University School of Medicine

*Dr. Woodson is a member of the BU School of Medicine Department
of Surgery faculty but not clinically active at this time. He is currently
serving as Assistant Secretary of Defense for Health Affairs, U.S.
Department of Defense.



Veterans Affairs (VA) Boston Healthcare System

GENERAL SURGERY

Kamal Itani, MD, *Chief of Surgery, VA Boston Healthcare System; Professor of Surgery, Boston University School of Medicine*

Erica Brotschi, MD, *Associate Professor of Surgery, Boston University School of Medicine*

Miguel Haime, MD, *Assistant Professor of Surgery, Boston University School of Medicine*

Patrick O'Neal, MD, *Assistant Professor of Surgery, Boston University School of Medicine*

Vivian Sanchez, MD, *Assistant Professor of Surgery, Boston University School of Medicine*

RESEARCH

Amy Rosen, PhD, *Professor of Surgery, Boston University School of Medicine*

Hillary Mull, PhD, *Research Assistant Professor, Boston University School of Medicine*

Cape Cod Hospital (Cape Cod Healthcare)

Stephen Brooks, MD, *Clinical Assistant Professor, Boston University School of Medicine*

Lawrence Novak, MD, *Surgery Residency Program Director, Cape Cod Hospital*

Roger Williams Medical Center

N. Joseph Espat, MD, *Chairman, Department of Surgery, Roger Williams Medical Center; Professor of Surgery, Boston University School of Medicine*

Keith Baldwin, DO, *Assistant Professor of Surgery, Boston University School of Medicine*

Christopher Chihlas, MD, *Adjunct Clinical Assistant Professor of Surgery, Boston University School of Medicine*

Steven Katz, MD, *Associate Professor of Surgery, Boston University School of Medicine*

Ponnandai Somasundar, MD, *Associate Professor of Surgery, Boston University School of Medicine*

Ting Zhao, MD, *Associate Professor of Surgery, Boston University School of Medicine*

Emeritus

Robert Beazley, MD, *Professor Emeritus of Surgery, Boston University School of Medicine*

Benedict Daly, MD, *Professor Emeritus of Surgery, Boston University School of Medicine*

The finest surgical patient care,
world-class research and
state-of-the art education.



BUILDING FOR THE FUTURE

This year Boston Medical Center embarked on a significant milestone — the transformation of its clinical campus to prepare the hospital to thrive well into the future.



The multi-year redesign consolidates inpatient operations to one side of the campus (the Menino side) and transitions services out of the Newton Pavilion in 2017. The end result will be modern, welcoming and more efficient spaces to provide the best possible care to patients and the best possible working environment for staff.

Boston Medical Center (BMC) was created by the merger of two separate hospitals, each with its own full service campus a few blocks apart, which resulted in a “split” campus configuration with costly operational inefficiencies such as two sets of operating rooms and two radiology departments, creating the need to shuttle patients back and forth via ambulance depending upon treatment needs. There are also vast differences in the current state of facilities, including some modern buildings, recently renovated facilities and others in need of repair. When the clinical campus redesign is complete, BMC’s oldest space (last renovated) will date to 2007.

The redesign will accomplish the following:

- Expand the Emergency Department (ED):
 - Establish a separate behavioral health ED area
 - Co-locate and house Urgent Care
- Create a state-of-the-art Radiology Department next to the ED
- Create a centralized location for state-of-the-art operating room suites
- Create a new women and children’s facility in Yawkey
- Consolidate the Intensive Care Units (ICUs) in one location
- Build a bridge to transport helipad patients to ED

The hospital will invest \$270 million on the redesign over the next four years, which includes \$100 million for necessary upgrades that are needed with or without the redesign. The redesign is expected to yield at least \$25 million per year in savings.



Moakley Addition

This new 32,000 square foot addition will house patient care services and conference space. It will open in the summer of 2015.



Transport Bridge

BMC's helipad is located across Albany Street. To improve patient access to the ED, BMC will construct a transport bridge to connect the helipad to the ED.



Emergency Department

BMC will expand its ED into the Menino courtyard, increasing the size by almost 30%. The new ED will integrate with Urgent Care, include a separate behavioral health treatment area, patient drop-off, and an expanded ambulance bay. It will open in 2017.



Yawkey Cafeteria

BMC will open a new cafeteria on the mezzanine level of Yawkey. The bright, open space will provide seating for more than 200 people. It will open in the summer of 2015.



Demonstration Kitchen

Housed in the Yawkey cafeteria, the Demonstration Kitchen will educate patients (and interested staff) about nutrition through cooking methods that are compatible with their medical and dietary needs, as prescribed by their physician. It will open in the summer of 2015



Yawkey Lobby

BMC will renovate the Yawkey lobby to provide access to the mezzanine-level cafeteria. The bright, modern layout will complement the design of the Yawkey Center, creating a welcoming and unified look and feel to the BMC campus.



Women and Children's Facility

To better serve mothers and babies, BMC will construct a new Women and Children's facility in Yawkey. The area will feature all private maternity rooms and be designed around BMC's industry leading Mother Baby rooming-in "Couplet Care" practice. It will also include state-of-the-art private bays for neonatal intensive care unit (NICU) patients and two designated C-section rooms on the same floor. It will open in the summer of 2015.



BOSTON UNIVERSITY SURGERY RESIDENCY PROGRAM

The Boston University Surgery Residency Program provides residents with the range and depth of academic experience and academic exposure required to develop superior surgical skills and an ability to make mature, informed, independent judgments.

Graduates of the program are expected to be superior general surgeons or surgical specialists. This level of capability is attained through a program that offers extensive clinical exposure at every level of training.

Current Residents

PGY 1

Olga Beresneva, MD, Drexel University College of Medicine

Dar Heinze, MD, University of Texas Medical Branch School of Medicine

Christopher Johnson, MD, Boston University School of Medicine

Elizabeth Kao, MD, University of Oklahoma College of Medicine

Ashleigh Menhadji, MD, Boston University School of Medicine

Rumbidzayi Nzara, MD, University of Minnesota Medical School

Vincent Storie, MD, Boston University School of Medicine

Stephanie Talutis, MD, New York Medical College

PGY 2

Maunil Bhatt, MD, Virginia Commonwealth University School of Medicine

Matthew Egyud, MD, Boston University School of Medicine

Andrew Herstein, MD, University of Washington School of Medicine

Andrew McChesney, MD, University of Iowa Roy J. and Lucille A. Carver College of Medicine

Georgios Orthopoulos, MD, University of Athens

Kathryn Van Orden, MD, University of Medicine & Dentistry of New Jersey/R.W. Johnson Medical School

Jian Zheng, MD, USF Health Morsani College of Medicine

PGY 3

Matthew Brady, MD, Tufts University School of Medicine

Elizabeth King, MD, Georgetown University School of Medicine

Joanna Ng, MD, Boston University School of Medicine

Aaron Richman, MD, University of California San Diego School of Medicine

Matthew Scriven, MD, Georgetown University School of Medicine

PGY 4

Gustavo Bauza, MD, Universidad Central del Caribe

Kendra Iskander, MD, Boston University School of Medicine

Chinwe Kpaduwa, MD, Georgetown University School of Medicine

Juan Rodolfo Mella, MD, Boston University School of Medicine

Elliot Pennington, MD, University of Missouri, Columbia School of Medicine

PGY 5

Elisha Brownson, MD, University of Washington School of Medicine

Michael Cassidy, MD, Boston University School of Medicine

Alan Sherburne, MD, University of Rochester School of Medicine & Dentistry

Christa Siebenburgen, MD, Drexel University College of Medicine

RESEARCH

Christopher Graham, MD, SUNY Downstate Medical Center

Krista Hachey, MD, The Alpert Medical School at Brown University

Elica Inagaki, MD, Medical College of Wisconsin

Ryan Macht, MD, New York University School of Medicine

Feroze Sidwa, MD, University of Texas Medical School at San Antonio

Kimberly Zamor, MD, Chicago Medical School, Rosalind Franklin University

2014 GRADUATES (L-R below)

Melanie Gainsbury, MD, Kelly Gonzales, MD, William Tobler, MD, Jeena Easow, MD, Holly Sheldon, MD



SURGERY RESIDENCY PROGRAM VIDEO



Learn more about our Surgery Residency Program from an informative video. To view the video, scan this QR code with a QR reader app or visit: www.bumc.bu.edu/surgery/training/residency



Olga Beresneva, MD, PGY 1, was an author of *"The role of a dedicated staff psychiatrist in modern burn centers,"* which appeared in *Ann Burns Fire Disasters*.

Michael Cassidy, MD, PGY 5, received two first-place awards for his paper *"Reducing Postoperative Venous Thromboembolism Complications with a Standardized Risk Stratified Protocol and Mobilization Program."* Dr. Cassidy placed first both in the Resident Essay Prize Competition at the New England Surgical Society's 94th Annual Meeting and again for the Resident Clinical Abstract of Distinction Award by the Massachusetts Chapter of the American College of Surgeons at their 60th Annual Meeting.

Krista Hachey, MD, PGY 2 Lab/Research, received a SUS/KSEA Resident Scholar Award for a clinical trial proposal on the surgical staging and treatment of lung cancer with mentor Dr. Yolonda Colson, Division of Thoracic Surgery, Brigham and Women's Hospital. Dr. Hachey also received a Cardinal Health Grant for a compliance program on the prevention of venous thromboembolism (VTE) in thoracic surgical patients with mentor Dr. Virginia Litle, Division of Thoracic Surgery, Boston Medical Center. She also presented *"The Incidence of Venous Thromboembolism in Esophagectomy Patients by Caprini Score Stratification,"* at the American Association for Thoracic Surgery (AATS) 2014 annual meeting with Dr. Virginia Litle.

Juan Rodolfo Mella, MD, MPH, PGY 4, received an Excellence in Research Award from the American College of Surgeons for his abstract/podium presentation *"Targeted Therapies Abstract: Timing is Everything: Antagonizing the Effects of Substance P Improves Survival in Murine Polymicrobial Sepsis."* (Co-authored by: Elizabeth Duffy, MS, Arthur Stucchi, PhD, Daniel Remick, MD). The award is granted to the top 2% of scored abstracts out of more than 700 submitted submissions.

Joanna Ng, MD, PGY 3, was awarded a Plastic Surgery Education Foundation Basic Science Grant for *"Photochemical Tissue Bonding for Sutureless Vascular Anastomosis."* Dr. Ng also received the Joseph Murray Resident Basic Science Research Award for Best Podium Presentation from the Massachusetts Chapter American College of Surgeons.

Visiting Professors

Grasberger Research Symposium Lecture and Visiting Professorship

Michael L. Longaker, MD, MBA, FACS

*Deane P. and Louise Mitchell Professor
Stanford School of Medicine*

George H. Clowes, Jr., MD, Trauma Lecture and Visiting Professorship

Lena M. Napolitano, MD, FACS, FCCP, FCCM

*Professor of Surgery
Division Chief, Acute Care Surgery
Associate Chair of Surgery, Department of Surgery
Director, Trauma and Surgical Critical Care
University of Michigan Health System*

Peter J. Mozdén Visiting Professorship in Surgical Oncology

Monica M. Bertagnolli, MD

*Attending Surgeon, Brigham and Women's Hospital
Professor of Surgery, Harvard Medical School
President, Alliance for Clinical Trials in Oncology Foundation*

The Smithwick Visiting Professorship in Vascular Surgery

Michael S. Conte, MD

*Professor and Chief, Division of Vascular & Endovascular Surgery
Edwin J. Wylie, MD, Chair in Vascular Surgery
Co-Director, UCSF Heart and Vascular Center
Co-Director, UCSF Center for Limb Preservation
University of California, San Francisco (UCSF) Medical Center*

Visiting Professorship in Vascular Surgery

Peter Lawrence, MD

*Chief, Division of Vascular Surgery
Professor of Surgery
David Geffen School of Medicine at University of California, Los Angeles, CA*



SHADOWING PROGRAM:

Students Get Early Exposure to Surgery

Tracey Dechert, MD, knows from experience that medical students are exposed to misinformation about the field of surgery. As a woman, she was actively discouraged from becoming a surgeon; as the faculty advisor to the student Surgical Society at BUSM, she often hears students tell her that before their surgical rotation they had never considered surgery because they either didn't understand the field, or held negative perceptions of it.

When Dechert came to BU Medical Campus as an attending at Boston Medical Center (BMC), she never intended to focus on teaching. "I love the work because trauma, critical care and emergency surgery are very busy. I also like the patient population of a safety net hospital and serving people who traditionally have not had access to high-quality care."

As she got farther along in her training and career she realized how much she likes to teach and was named associate program director for the Surgery Residency Program at BMC. "That is when it really hit. I started meeting with students who thought they were interested in surgery and who were brimming with ideas of what it meant to be a surgeon, many of which were inaccurate.

"I heard the stories and the rumors about surgeons when I was a student, and they weren't nice ones," recalls Dechert, BUSM associate professor of surgery and trauma surgeon at BMC. "I thought, after all of these years, this is still what students are hearing—and for women it is even worse. Students have told me about being discouraged not just by family members, but doctors in other fields of medicine and other students. Much of it really discouraging to women."

From her experience in the field, Dechert knew that the perception and reality were quite divergent. She thought

that if these students could be exposed to surgical care and practicing surgeons early in their medical school experience, they could make more informed decisions about their careers. "First and second years of medical school are learning all of the basics, but we can't wait until third year to let them see what surgery is about," she says. "Also, early opportunities to experience medicine and surgery in practice can help motivate them. Seeing the light at the end of the tunnel, as it were."

As the faculty advisor to the surgery interest students, Dechert had a ready-made cohort of first- and second-year students who were considering surgery as a career path and who could benefit from a shadowing program. With the backing of the Department of Surgery, Dechert put together a program that offers the students access to surgical situations and to both resident and attending surgeons years before their required surgical rotation.

A little more than a year ago, first- and second-year students began shadowing the trauma service. Dechert feels that with classes and studying for exams students may only be able to shadow at night or on weekends, making the trauma service is a good fit. The team works 24 hours a day, 7 days a week, and weekends and holidays. "A student can come in on a Saturday morning or Sunday night and our whole team is here—attendings, fellows, chief residents, residents, interns, and third-year medical students," explains Dechert. "Students have the opportunity to learn about the different roles and gain experience at the different levels of training and providing care. They are linked with various members of the team—they can go to the Emergency Department to see what is happening with new patients or the OR, and if there is no surgery happening, they can go to the ICU."

Because each day and night can be different on the trauma service, Dechert says the students are never bored, and they can shadow as many times as they want.

"The first night I shadowed the surgery team I witnessed a patient with a penetrating trauma, a stab wound that required no surgical intervention, and the placement of a chest-tube in a patient who had suffered bilateral pneumothoraxes subsequent to an automobile accident," says David Cholak, '16. "During perhaps the most arresting experience, I observed a patient with a ruptured abdominal aortic aneurysm. I was surprised by the willingness of surgeons and residents to facilitate my learning experience. As long as I wasn't immediately in the way, everyone was respectful and more than willing to shed light on what was going on at any particular moment."





Approximately 30 students have taken advantage of the program, and Dechert wants to make this number grow significantly. She is looking for ways to get the word out to students, especially those who may not have considered surgery as an option. Dechert notes that surgery shadowing is not unique to BUSM, as in any medical school students can seek out surgeons to observe. "But the onus is on the student," she says. "Our program facilitates the experience for students, alleviating what may seem to them a daunting task of approaching an already-busy surgeon and asking for his or her time. The initiative comes from us, the surgeons."

Learning is enhanced by the first-hand exposure of shadowing, which connects them to the living, breathing expression of their studies. "The first year of medical school involves a significant amount of classroom and study time," says Chris LaChapelle '16, a participant in the program. "One can forget the reasons for embarking on the voyage of becoming a doctor."

Students get to see the anatomic structures they have been studying in the lab in a live patient while the surgical team describes each step in a gall bladder removal or an appendectomy, for example. Step stools are provided for viewing surgeries from above and students are encouraged to ask questions along with their third-year student counterparts who are on their surgical rotation.

"The most important learning moments for me have been unexpected and unplanned," notes Tyler Robinson '15, who has shadowed in surgery a number of times. "Chatting informally with interns, residents, fellows and medical students has given me many different perspectives on surgery, career development, and work-life balance. It's been great to be a second-year medical student and to shadow in my free time. I've been able to ask all the questions I've wanted without being responsible for knowing much or seeing to patient duties. My observations of serious cases being handled in the OR and ED have been pretty awe-inspiring too."

Robinson first met Dechert at a breakfast seminar to introduce general surgery to first- and second-year medical students. The seminar's panel included two BMC surgery attendings and two recently matched BUSM fourth-years. "I was happy to see that all four were women, and I asked whether this perhaps signaled a change in the field of surgery, in being more accommodating to family and personal needs," he says. "They all affirmed that surgery remained tougher than many other fields, but that it in no way prohibits you from having a quality personal life."

Members of the Department of Surgery—as well as patient care providers from the specialties involved with surgical services like emergency medicine, anesthesiology and radiology—have been very supportive of the shadowing program, and because the trauma service works as a team, members are used to being observed as well as teaching. Exposure to postgraduate training is another benefit of shadowing. "I got a snapshot into the life of interns and residents in a surgical program," notes LaChapelle. "They offered invaluable information on how best to tackle med school and the pros and cons of surgical residency."

Cholok describes his shadowing experiences as "illuminating." He was struck not only by the mechanics of the surgical specialty, but also by the dynamics of comprehensive patient care. "I was able to witness the progression and transitions from emergency care, to radiology, and finally to the operating room, and was cognizant of the intricate collaboration between specialties at each stage," he says. "My shadowing experience helped to actualize this ideal of teamwork in healthcare delivery, especially when manifested in an emergency or life-threatening situation. And, of course, I was amazed at the skill and dedication exhibited by the surgeons I shadowed."

"This program allows medical students, before they define themselves, to have first-hand experience of real-life surgery in real time," says Peter Burke, MD, BUSM professor of surgery and chief of acute care and trauma surgery at Boston Medical Center. "Shadowing helps students make better decisions about what they want to do in an organized fashion. Mature and informed decision making helps to create better physicians who are really happy with the choice they make."

To Burke, it is a win-win situation—students derive early experience of surgery and deepen their clinical knowledge, while the field benefits by developing prospective candidates for a career in surgery.

"We owe it to our students and their future patients to clarify and demystify the field of surgery," says Gerard Doherty, MD, professor and chair of the Department of Surgery. "Through this shadowing program, students can learn how diverse the field is, and how interdisciplinary the practice is when done well. Many students who believe that they are destined for some other field (like I was) only find out how interesting surgery is when they are exposed directly. For me, that was late in my third year of medical school—it would have been much better for me if my school had had a program like this!"

Courtesy of Fall 2013 Boston University School of Medicine Campus & Alumni News





SURGERY BOOTCAMP:

Intensive Surgery Bootcamp Prepares Students for Surgical Internships

According to numerous authorities in academic medicine, reduced resident duty hours as well as stricter limits on medical student responsibilities during rotations and clerkships are having unintended consequences, especially in the field of surgery.

"Surgery interns need to be up to speed very quickly," says Alik Farber, MD, BUSM associate professor of surgery and radiology and chief of Vascular and Endovascular Surgery at Boston Medical Center. "It used to be that surgical residents and interns were on call every other night, essentially living in the hospital. When internship started, they were thrown into the experience where they had greater exposure to what they needed to learn and residents had more time to teach them. Also, medical students had a lot more responsibility for the patients in their care."

Looking for a way to mitigate the downside of less time and fewer opportunities for training, Farber set about creating a preparatory course for BUSM medical students to optimize readiness for a specialty as intense as surgery. Using a template developed at the University of Michigan, he devised a month-long "bootcamp" course for fourth-year medical students of which he is now the course director.

"The Surgery Bootcamp dovetails with our surgery clerkship and surgery internship in the continuum of deliberate education for future surgeons," says Gerard Doherty, MD, professor and chair of the Department of Surgery. "Our hypothesis, shared by our colleagues from around the country as coordinated by the American College of Surgeons, is that we can train surgeons more efficiently and effectively by working on the skills needed for internship ahead of that transition."

Harnessing the expertise of more than 40 faculty members and other health care providers, BUSM's Bootcamp is designed to give students who are going into general surgery or a surgical subspecialty the opportunity to be prepared for the challenges of surgical internship. Students are exposed to crucial concrete knowledge and technical skills necessary to a surgical internship and career. The activities are

designed to augment a student's exposure to real-life scenarios one would expect to encounter in a surgical internship and beyond.

The elective features focused, case-based classroom sessions, but the emphasis is on skills acquisition. It includes sessions for developing the motor skills for suturing and tying knots, placing chest tubes and central lines, and inserting nasogastric tubes. There are modules on wound management and anesthesia skills and the use of laparoscopic instruments. Students also attain Basic Life Support and Advanced Cardiac Life Support certification and are exposed to mock page scenarios and expected to perform mock surgery. At the program's completion, students are expected to be able to demonstrate knowledge of the diagnosis and work-up of common post-surgical conditions and complications, and to understand the role of quality care, risk management, ethics, work organization, and time management on the practice of surgery.

Courtesy of Fall 2014 Boston University Medicine



BUSM students practice trauma resuscitation on a simulation model as part of their Surgery Bootcamp experience.



ADVANCING THROUGH RESEARCH

Research is an integral part of the Department of Surgery, and reflects a major commitment by the department to advance the field. Ongoing work in the department includes basic and translational research in fields as diverse as the immunobiology of sepsis, the biology and treatment of acute lung injury and the molecular analysis of cancer.

All of these take place in the modern laboratory facilities of the Boston University Medical Campus (BUMC). Active collaborations with colleagues at the schools of Medicine, Engineering, Public Health and Management enhance projects in the clinical, health services and education research arenas.

The Clinical Research Program is comprehensive and supports every aspect of clinical research conduct. The program assists investigators in protocol development and grant submissions for competitive clinical research grants. The program works in conjunction with pharmaceutical and device companies to conduct industry clinical trials. The program supports regulatory (IRB and other regulatory agencies), administrative (budget and contracts), and clinical (patient enrollment, management and data collection) components.

Selected Grants

Alik Farber, MD, *Division of Vascular and Endovascular Surgery*, and a team of researchers from Brigham and Women's Hospital (BWH) and Massachusetts General Hospital (MGH) was awarded \$25 million by the National Institutes of Health (NIH) to conduct a four-year, randomized clinical trial—the BEST-CLI Trial (Best Endovascular versus Best Surgical Therapy in Patients with Critical Limb Ischemia). The trial will compare traditional bypass surgery with the less invasive alternative of endovascular treatment for patients with critical limb ischemia (CLI). The principal investigators of the BEST-CLI trial are Alik Farber, MD, division chief of Vascular and Endovascular Surgery at BMC; Matthew Menard, MD, co-director of Endovascular Surgery at BWH; and Kenneth Rosenfield, MD, section head of Vascular Medicine and Intervention at MGH.

Alik Farber, MD, *Division of Vascular and Endovascular Surgery*, was also awarded a grant from the Society for Vascular Surgery (SVS) Foundation. The \$100,000 Multicenter Clinical Studies Planning Grant was awarded to Boston

Medical Center and Dartmouth-Hitchcock Medical Center and will be used to organize a pilot trial to test the “Offer and Report” outpatient Smoking Cessation Protocol that has been spearheaded and adopted in the Division of Vascular and Endovascular Surgery through the Vascular Quality Initiative (VQI).

Tony Godfrey, PhD, *Section of Surgical Research*, was awarded a two-year, \$225,000 grant from the DeGregorio Family Foundation for Gastric and Esophageal Cancer Research & Education. These funds will be used to explore novel molecular approaches to early detection of esophageal cancer and to evaluate the effectiveness of ablative treatments for early disease.

Virginia Litle, MD, *Division of Thoracic Surgery*, was awarded a one-year Cardinal Health Grant, to fund a quality improvement project to assess the compliance of our patients with a venothromboembolic prevention program.

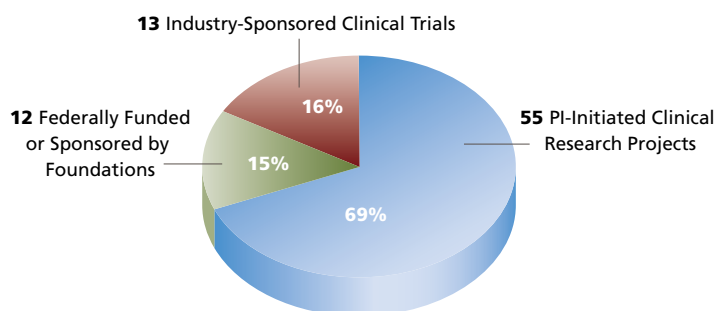
Clinical Research

The Office of Surgical Translational Research Operations and Compliance in the Department of Surgery, led by executive director, Marina Malikova, PhD, is responsible for clinical trials and basic biomedical research operations, macro-management of research programs, providing guidance and oversight to the project managers, Clinical Research Associates (CRAs), Clinical Research Coordinators (CRCs) and laboratory staff. The office also provides assistance to investigators with protocol and informed consent writing, regulatory submissions, clinical trial agreements and budgets development and post-award financial management. In addition, the office is responsible for developing and implementing adequate systems and procedures to ensure research quality control and compliance, efficient day-to-day research operations that meet the needs of the Department of Surgery.

Open Clinical Research Protocols

As of September 1, 2014, BMC has 80 open research protocols managed by dedicated teams of researchers in the state-of-the-art facilities within BUMC.

The chart at the right shows how the wide-ranging research work is being funded.



Selected Clinical Trials

INVESTIGATOR	CLINICAL TRIAL	SPONSOR
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Currently Open for Enrollment

Division of Podiatry Surgery

Hau Pham, DPM	A Multicenter, Randomized, Controlled, Open-Label Trial to Assess the Clinical Effectiveness of DermACELL®, Conventional Care Wound Management, and GraftJacket® in Subjects with Chronic Wounds in the Lower Extremities	DermaSciences
Hau Pham, DPM	A Multicenter, Randomized, Controlled, Open-Label Trial to Assess the Clinical Effectiveness of DermACELL®, Conventional Care Wound Management, and GraftJacket® in Subjects with Chronic Wounds in the Lower Extremities	LifeNet Health, Inc.

Division of Vascular and Endovascular Surgery

Mohammad Eslami, MD	A Prospective, Single-blind, Randomized, Phase III Study to Evaluate the Safety and Efficacy of Fibrin Sealant Grifols (FS Grifols) as an Adjunct to Hemostasis during Peripheral Vascular Surgery	Grifols
Alik Farber, MD	A Phase 3 Randomized, Double Blind, Vehicle Controlled Study Investigating the Safety and Efficacy of HP802-247 in the Treatment of Venous Leg Ulcers.	Smith and Nephew Inc.
Alik Farber, MD	A Non-Interventional Safety Study Providing 12 Months Follow-Up from First Exposure to HP 802-247 in Subjects with Venous Leg Ulcer	Smith and Nephew Inc.
Alik Farber, MD	A Phase 3 Randomized, Double Blind, Vehicle Controlled Study Investigating the Safety and Efficacy of HP802-247 in the Treatment of Venous Leg Ulcers >12 cm ² to ≤ 36 cm ²	Smith and Nephew Inc.

Completed Trials

Section of Acute Care and Trauma Surgery/Surgical Critical Care

Peter Burke, MD	Repair of Large Abdominal Hernia Defects by a Novel Biological Mesh	SurgiMed
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Division of Podiatry Surgery

Hau Pham, DPM	Safety and Efficacy Study of an Interactive Wound Dressing (KC002) for the Treatment of Diabetic Foot Ulcers (KC-002PT)	Keracure Inc.
Hau Pham, DPM	Efficacy and Safety Study in the Treatment of Chronic Diabetic Foot Ulcers	Apopharma Inc.

Division Transplant Surgery

Matthew Nuhn, MD	A Phase IVc, Non-Interventional, Multicenter Liver Transplant Study	Covidien
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Development of the Medical Student Surgical Research Mentorship Program

Research experiences during medical school can provide medical students with critical thinking and problem solving skills important for clinical proficiency. Research experiences provide students with opportunities to generate and test research hypotheses and to interpret and analyze data. Longitudinal relationships with faculty who may serve as career advisors and mentors can also form during the research process. This past year, the Department of Surgery developed a Surgical Research Mentorship Program for medical students aimed at enriching the research experience.

Research experiences were formerly viewed as an extracurricular activity but today are a cornerstone to the medical school experience. Across the country, schools are devising a variety of strategies to meet students' increased interest. While the structure of student research programs varies, there is consensus that medical school research experiences are important and are associated with a higher quality of education. Students who undertake formal research have been shown to view residency training more positively and are viewed by programs as more prepared for residency.

The Surgical Research Committee (SRC) developed this new approach, which is designed to more effectively connect students with an appropriate research mentor. The committee recruited and trained senior medical student surgery research liaisons whose role is to educate students about the field of General Surgery and basics of research, connect interested students with faculty mentors and answer questions about possible research opportunities. After reviewing our research opportunities, we encourage students to meet with the liaisons in order to discuss potential experiences, time commitments and expectations. The liaisons then work with the SRC to make the best possible matches.

Although our Surgical Research Mentorship Program is still in the pilot-testing phase, preliminary results suggest our approach will result in productive mentor-mentee relationships for both students and faculty.

The Surgical Research Mentorship Program was recently selected for presentation at the upcoming 2014 American College of Surgeons (ACS) Clinical Congress in San Francisco, CA. It will be featured in the "Out of the Box" Ideas for Surgical Interest Groups panel presentation.



New Faculty



Douglas Kauffman, PhD

*Associate Chair for Education, Department of Surgery, Boston University School of Medicine
Associate Professor of Surgery, Boston University School of Medicine*

Dr. Kauffman graduated cum laude from the University of Minnesota Institute of Child Development with a BA in Child Psychology. He obtained an MS in Educational Psychology from the University of Nebraska-Lincoln and a PhD in Psychological and Cultural Studies: Cognition, Learning, and Development also from the University of Nebraska-Lincoln.

Most recently, Dr. Kauffman was a tenured associate professor of Educational Psychology at the University of Nebraska-Lincoln. Prior to that, he was an assistant professor of Educational Psychology at the University of Nebraska-Lincoln; assistant professor of Education at Eastern Connecticut State University; and assistant professor of Measurement and Research Methods in the Department of Educational Psychology at the University of Oklahoma.

Dr. Kauffman's research interests include instructional innovations designed to improve students' learning, cognition and self-regulation in complex learning environments. In his role as associate chair for education, Dr. Kauffman serves as a faculty member in the Department of Surgery, with specific responsibility for the development and administration of educational programs offered by and within the department to medical students, other professional students, surgery residents and department faculty and staff. His research agenda includes efforts to improve the efficiency and efficacy of the department's teaching and learning, thus advancing the field of Surgical Education.



Angela Kuhnen, MD

*Attending Surgeon, Section of Colon and Rectal Surgery, Boston Medical Center
Assistant Professor of Surgery, Boston University School of Medicine*

Dr. Kuhnen is a graduate of Yale University in New Haven, CT, and received her medical degree from New York University in New York, NY. She completed her residency in General Surgery at Massachusetts General Hospital in Boston, MA and a fellowship in Colorectal Surgery at Lahey Clinic in Burlington, MA. She is board certified by the American Board of Surgery.

Her clinical and research interests include anorectal disease, colon and rectal cancer, diverticulitis, inflammatory bowel disease and surgical outcomes.



Smita Ramanadham, MD

*Attending Surgeon, Division of Plastic and Reconstructive Surgery, Boston Medical Center
Assistant Professor of Surgery, Boston University School of Medicine*

Dr. Ramanadham is a graduate of Tufts University in Medford, MA, and received her medical degree from Tufts University School of Medicine in Boston, MA. She completed her residency in General Surgery at the University of Texas Southwestern Medical Center in Dallas, TX, and in Plastic and Reconstructive Surgery also at the University of Texas Southwestern Medical Center. This premier training focused on all aspects of plastic surgery including both cosmetic and reconstructive.

Her clinical and research interests include general plastic surgery, breast reconstruction, mohs reconstruction, microsurgery and cosmetic surgery. She has published papers and chapters on body contouring, facial rejuvenation and reconstruction, and breast reconstruction.



Teviah Sachs, MD, MPH

*Attending Surgeon, Section of Surgical Oncology, Boston Medical Center
Assistant Professor of Surgery, Boston University School of Medicine*

Dr. Sachs received his medical degree from New York Medical College in Valhalla, NY. He completed his residency in General Surgery at Beth Israel Deaconess Medical Center/Harvard Medical School and a fellowship in Surgical Oncology at Johns Hopkins Hospital in Baltimore, MD. He is board certified by the American Board of Surgery.

His clinical interests include alimentary tract surgery with a special interest in hepatic and pancreatobiliary disease. He completed an MPH in clinical effectiveness and his research interests pertain to surgical outcomes and surgical education.



Robert Schulze, MD

*Section Chief, Surgical Critical Care, Boston Medical Center
Associate Professor of Surgery, Boston University School of Medicine*

Dr. Schulze is a graduate of Boston University (BA, MA, MD). He completed a residency in General Surgery at the University of Medicine and Dentistry of New Jersey in New Brunswick, NJ, and a fellowship in Trauma and Critical Care at the University of Maryland in Baltimore, MD. In addition, he completed a research fellowship at New England Deaconess Hospital.

Dr. Schulze was most recently director of Surgical Nutrition and Surgical Critical Care at SUNY Downstate Medical Center in Brooklyn, NY and attending physician of surgery at Kings County Hospital Center also in Brooklyn, NY.

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Dr. Schulze has authored and co-authored numerous chapters and scientific publications and is a Fellow of the American College of Surgeons (FACS) and the American College of Critical Care Medicine (FCCM). His research and clinical interests include surgical education, ARDS, advanced ventilator management, sepsis, pre-hospital trauma care and violence prevention programs.



Jeffrey Siracuse, MD, RPVI

Attending Surgeon, Division of Vascular and Endovascular Surgery, Boston Medical Center
Assistant Professor of Surgery, Boston University School of Medicine
Assistant Professor of Radiology, Boston University School of Medicine

Dr. Siracuse received his medical degree from New York Medical College in Valhalla, NY. He completed his residency in General Surgery at Beth Israel Deaconess Medical Center/Harvard Medical School, research fellowship in the Harvard-Longwood Vascular Research Training Program, and a clinical fellowship in Vascular and Endovascular Surgery at New York-Presbyterian Hospital/Columbia University College of Physicians Surgeons and Weill Cornell Medical College.

His research and clinical interests include minimally invasive and open treatment of aortic aneurysms, critical limb ischemia, cerebrovascular disease, dialysis access, thoracic outlet syndrome and venous disease.



Vitaliy Volansky, DPM

Attending Surgeon, Division of Podiatry Surgery, Boston Medical Center
Instructor of Surgery, Boston University School of Medicine

Dr. Volansky received his doctor of podiatric medicine from New York College of Podiatric

Medicine in New York, NY and completed his residency at Long Island College Hospital, Downstate Medical Center in Brooklyn, NY.

Prior to joining BMC, Dr. Volansky was an associate physician at Manhattan Footcare in Brooklyn, NY and held faculty positions at New York College of Podiatric Medicine in New York, NY and Lincoln Hospital in Bronx, NY.

His research and clinical interests include podiatric surgery, diabetic foot care, dermatology/pathology and biomechanic analysis/sports injuries.

Faculty News & Notes

Stephen Brooks, MD, was awarded the 2014 Volunteer Clinical Faculty Award. He was selected by graduating Alpha Omega Alpha (AOA) students for recognition of his value as an educator to medical students.

Peter Burke, MD, lectured extensively both domestically and internationally about lessons learned from the Boston Marathon Bombings.

Brian Carmine, MD, was appointed as a Fellow of the American College of Surgeons (FACS).

Tracey Dechert, MD, was appointed as a Fellow of the American College of Surgeons (FACS); she was accepted into the Alpha Omega Alpha (AOA) National Honor Medical Society; received the Bloomsburg University Alumni Association 2014 Distinguished Service Award; and was invited to be the Keynote Speaker at the John Paul Pryor Memorial PennTRAC Conference.

Gerard Doherty, MD, was installed as President of the American Association of Endocrine Surgeons (AAES). He will serve as President through 2015.

N. Joseph Espat, MD and **Steven Katz, MD**, presented final results from the "*Hepatic Immunotherapy for Metastases (HITM) Phase 1 trial (NCT01373047)*" for patients with stage IV colon cancer and liver metastases at the 2014 Society of Surgical Oncology (SSO) meeting. Dr. Katz was the presenter and Dr. Espat was the senior author.

Jeffrey Kalish, MD, was chosen as the recipient of the 2014 E.J. Wylie Traveling Fellowship from the Foundation of the Society for Vascular Surgery (SVS). This award will allow Dr. Kalish to visit the three U.S. military centers specializing in amputee care: Walter Reed National Military Medical Center, the Center for the Intrepid at San Antonio Military Medical Center, and Naval Medical Center San Diego to witness not only the surgical management of complex war wounds, but also the progression to prosthetics training and rehabilitation.

George Kasotakis, MD, MPH, gave an oral presentation at American Surgical Association (ASA) annual meeting in Boston on how trainee participation affects outcomes in emergency general surgery. This talk made the cover page of the American College of Surgeons (ACS) newspaper *ACS News*. Dr. Kasotakis also won first award at New England Trauma Jeopardy at the Harvard Trauma & Critical Care Symposium.

Alik Farber, MD and **Jeffrey Kalish, MD**, were authors of "*Factors associated with surgical site infection after lower extremity bypass in the Society for Vascular Surgery (SVS) Vascular Quality Initiative (VQI)*," which appeared in the *Journal of Vascular Surgery*. This paper is the first publication from the Vascular Quality Initiative (VQI).

Nilton Medina, MD, was appointed as a Fellow of the American College of Surgeons (FACS). He also was awarded the very first George H. Kaye Alumni Award for Outstanding Service to Others Award from the Biomedical Science Careers Program (BSCP).



Alik Farber, MD, was appointed associate chair for clinical operations in the Department of Surgery. He also received two grants: \$25 million by the National Institutes of Health (NIH) to conduct a four-year, randomized clinical trial—The BEST-CLI Trial (Best Endovascular versus Best Surgical Therapy in Patients with Critical Limb Ischemia) and a grant from the Society for Vascular Surgery (SVS) Foundation for \$100,000 to organize a pilot trial to test the “Offer and Report” outpatient Smoking Cessation Protocol that has been spearheaded and adopted in the Division of Vascular and Endovascular Surgery through the Vascular Quality Initiative (VQI). For more information about these grants please see the “Research” section of the report.

Hiran Fernando, MBBS, FRCS, published “*Impact of Brachytherapy on Local Recurrence Rates After Sublobar Resection: Results From ACOSOG Z4032 (Alliance), a Phase III Randomized Trial for High-Risk Operable Non–Small-Cell Lung Cancer*,” in the Journal of Clinical Oncology. He also served as the primary investigator for the national trial.

Amitabh Gautam, MD, FRCS, was appointed a Member of the Minority Affairs Committee of the United Network for Organ Sharing (UNOS)/Organ Procurement and Transplantation Network (OPTN). He will serve from July 2014 - June 2016.

Andrew Glantz, MD, was appointed the medical director of the Pre Procedure Clinic (PPC).

Donald Hess, MD, was appointed program director of the Surgery Residency Program. He was also awarded a Collaborator of the Year Award: Clinical Collaborator for his work with members of the Department of Medicine in studying the physiology and biochemistry of obesity and weight loss.

Kamal Itani, MD, was inducted as a society member into the American Surgical Association (ASA). Among his 10 publications that he authored or co-authored this year, one was published in the Journal of the American Medical Association (JAMA) on risk of major adverse cardiac events following non-cardiac surgery in patients with coronary stents and another one in the New England Journal of Medicine (NEJM) on a military patient who was injured by an improvised explosive device in Afghanistan. In addition, Dr. Itani received funding from the U.S. Department of Veterans Affairs Health Services Research & Development (HSR&D) as a co-investigator to study surgical re-admissions within the VA system.

Karl Karlson, MD, was awarded a Collaborator of the Year Award: Clinical Collaborator for his co-leadership of the Evans Center Affinity Research Collaborative ARC on Nanotheranostic Platforms for Cancer and Vascular Disease. In addition, Dr. Karlson was awarded a \$49,000 grant from The Wallace H. Coulter Translational Partners Grant Program as a Clinical Co-Investigator with Dr. Jonathan Rosen from the BU Department of Biomedical Engineering for work that graduate engineering students are participating in.

Maureen Kavanah, MD, received an Erwin F. Hirsch, MD Teaching Award, bestowed by graduating Surgery Chief Residents, in recognition of her outstanding educational contributions.

Virginia Litle, MD, was appointed associate program director, Surgery Residency Program.

David McAneny, MD, was appointed vice chair, Department of Surgery; division chief, General Surgery; and section chief, Surgical Oncology. He received a scholarship from the American College of Surgeons (ACS) and New England Surgical Society (NESS) to attend the Leadership Program in Health Policy and Management at Brandeis University. He was appointed a Board of Governors Liaison on the Health Policy Advisory Committee of the American College of Surgeons (ACS). Dr. McAneny also received his second Erwin F. Hirsch, MD Teaching Award, bestowed by graduating Surgery Chief Residents, in recognition of outstanding educational contributions.

Robert Schulze, MD, was appointed section chief, Surgical Critical Care and program director, Critical Care Fellowship.

Jeffrey Sircause, MD, RPVI, was the lead author of “*Endovascular Interventions on the Below Knee Popliteal Artery*” and “*Comparative Safety of Endovascular and Open Repair of Abdominal Aortic Aneurysms in Low Risk Male Patients*,” both of which appeared in the Journal of Vascular Surgery.

Boston

Boston Magazine's 2013 “TOP DOCS”
issue recognized eight Department of
Surgery faculty members as being rated
“tops” in their respective fields:

Peter Burke, MD
Surgery

Gerard Doherty, MD
Surgery

Alik Farber, MD
Vascular Surgery

Hiran Fernando, MBBS, FRCS
Thoracic & Cardiac Surgery

Donald Hess, MD
Surgery

Maureen Kavanah, MD
Surgery

Harold Lazar, MD
Thoracic & Cardiac Surgery

David McAneny, MD
Surgery





Leadership

Gerard Doherty, MD, *James Utley Professor and Chair*, Department of Surgery, Boston University School of Medicine; *Surgeon-in-Chief*, Boston Medical Center

David McAneny, MD, *Vice Chair*, Department of Surgery, Boston University School of Medicine

Tracey Dechert, MD, *Associate Program Director*, Surgery Residency, Boston University School of Medicine

Alik Farber, MD, *Associate Chair for Clinical Operations*, Department of Surgery, Boston University School of Medicine

Donald Hess, MD, *Program Director*, Surgery Residency, Boston University School of Medicine

Virginia Litle, MD, *Associate Program Director*, Surgery Residency, Boston University School of Medicine

Jane Mendez, MD, *Clerkship Director*, Department of Surgery, Boston University School of Medicine

How to Give

Grounded by a proud tradition, we now focus our attention firmly on the future and are moving forward with the confidence that we are doing, and teaching people to do, necessary and important work. We invite you to be a part of this exciting era in our department by making a gift to the **Department of Surgery Discretionary Fund** in support of our efforts.

Your gift will help advance our clinical education and research goals and help foster the next generation of skilled surgeons. Please visit www.bumc.bu.edu/supportingbusm/donate to make an online gift or contact the BUSM Development Office at 617.638.4570 or busmdev@bu.edu.

Contact Us

Department of Surgery
88 East Newton Street, Collamore – C500
Boston, MA 02118

617.638.8609

www.bumc.bu.edu/surgery

