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MILESTONE

The Department of Surgery celebrates one hundred years: a history

The Department of Surgery was founded in 1914 as was The Ohio State University College of Medicine. In honor of its one hundredth years Surgery Today presents the following history, much of which was written by Dr. Robert M. Zollinger, Sr. (1903-1992) He recounts the history of The Ohio State University Department of Surgery from the evolution of The Ohio State University College of Medicine to the years of the department's reorganization and growth after World War II.

Early years

The Ohio State University Wexner Medical Center and College of Medicine evolved from a succession of institutions established during the 19th century.

In 1847, the trustees and members of the faculty of the medical college of Willoughby University, in Willoughby, Ohio, moved to Columbus to establish the Willoughby Medical College of Columbus. Late in the same year philanthropist Lyne Starling donated land in the center of the city and $35,000 to construct a new college hospital, which was called Starling Medical College. Two thirds of the building was assigned to St. Francis Hospital. During the nearly 60 years of its existence, from 1847 to 1902, the college graduated 2,500 students.

In 1875, Dr. John Hamilton, professor of surgery was instrumental in establishing a new school, which was called Columbus Medical College. In 1892 the faculty of the Columbus Medical College merged with that of Starling Medical College. Another medical school was established in 1892 at Protestant Hospital, in a building erected on land donated by The Ohio State University. The school was named Ohio Medical University.

On March 13, 1907, at a meeting of the Ohio Legislature, all properties of the Starling Medical College and the Ohio Medical University were transferred to a new corporation that established the Starling Ohio Medical College. The new corporation included medical, dental, and pharmacy departments. Teaching took place at Protestant Hospital and St. Francis Hospital. On January 10, 1914, the trustees of the Starling Ohio Medical College gave to the state of Ohio all its properties to found the College of Medicine of The Ohio State University, which was established on the south side of the campus.

The first chief of the Department of Surgery was Dr. William Means, who served from 1914 to 1916. He was followed by Dr. Verne Dodd, who was

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acting head from 1917 to 1922, and Dr. Charles Hamilton, who was head from 1922 to 1926. Dr. Dodd became head of the department again in 1927. By 1933 there were two parallel but separate departments of surgery. Clinical surgery was directed by Dr. Dodd, who was noted for bedside teaching and who initiated plans for residency programs in specialties. Research surgery was directed by Dr. George Curtis, who was known for his research in thyroid and chest surgery and iodine metabolism. Dr. Dodd served as head of the department until 1947.

**Postwar reorganization**

In 1946 Dr. Robert Zollinger was appointed professor of surgery at Ohio State, with the understanding that he would assume leadership of the department after Dr. Dodd retired. Dr. Dodd gave Dr. Zollinger a free hand to begin recruiting personnel and developing the existing surgical specialties. The surgical service was small, and the residency program in surgery had been markedly curtailed during World War II. Under Dr. Curtis, the Department of Surgical Research made its own appointments, and its productivity in research became nationally recognized.

After his appointment as chairman of the Department of Surgery in 1947, Dr. Zollinger reorganized the general surgical service along the lines developed by Dr. Harvey Cushing and Dr. Elliot Cutler, with whom Dr. Zollinger had worked as a resident and faculty member before World War II. The training program in general surgery was established as a five year program, in keeping with the Halstead concept. A straight surgical internship was established, and a research program involving the house staff was incorporated into the program.

One of the first faculty members recruited by Dr. Zollinger was Dr. Edwin Ellison, who had finished his surgical training in 1946. Dr. Ellison went on to become a major influence in the development of the academic department. The Department of Surgery could not have grown so rapidly without him.

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100 Years (continued from page 3)

In 1948, in response to the need for more extensive medical facilities, construction of a new University Hospital building began. The first patient was admitted in 1951. In 1976 a new complex was constructed and named Rhodes Hall. In 1983 the Board of Trustees renamed the original building Doan Hall.

Clinical research, especially related to nutrition, became the major thrust of the Department of Surgery. In 1949 members of the department developed interest in the pancreas. Because of the reputations of Dr. Charles Doan and Dr. Bruce Wiseman in hematology, the surgical service was involved with more than the usual number of splenectomies for various hematologic disorders.

Both the Division of Pediatric Surgery, under Dr. H. William Clatworthy, and the Division of Urology, under Dr. William Taylor, were established in 1950. Separate services were established in orthopedic surgery, neurosurgery, and plastic surgery. Research Surgery was incorporated into the department as the Division of Thoracic Surgery, under Dr. Karl Klassen. The number of medical students rose to 150. The department gained international recognition.

Dr. Clatworthy soon developed one of the outstanding training programs in the country. He became internationally known for his contributions, including mesocaval shunt for portal hypertension, which he presented to the Central Surgical Society in 1953.

Zollinger-Ellison syndrome

By 1954 more than 100 patients had radical gastric resection for the control of gastric hypersecretion associated with ulcer resistant to medical therapy. Dr. Zollinger and Dr. Ellison reported on these gastric patients evaluated five years after operation, emphasizing the effects of extensive gastric resection on postoperative nutrition. A syndrome was proposed implicating a pancreatic tumor producing a potent gastric secretagogue. The clinical syndrome continues to be called the Zollinger-Ellison syndrome. These tumors are now referred to as gastrinomas.

Dr. Zollinger insisted that the Department placed an emphasis on scientific activity, and that patient care was equally emphasized. The department developed and maintained an enviable reputation for clinical excellence. Over the years, the department was awarded numerous grants from the National Institutes of Health and other extramural granting agencies.

Growth of the Department

Dr. Zollinger retired on July 1, 1974 after 28 years in the Department, and Dr. Luther Keith was named Acting Head of the Department until Larry C. Carey.

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M.D. was appointed the Zollinger Professor and Chairman of the Department. Dr. Carey was a graduate of The Ohio State University College of Medicine and had taken a straight surgical internship at the Cornell Hospital in New York City and a surgical residency under Dr. Ellison.

Dr. Carey’s decided to step down as Department Chair in 1985, and Dr. Olga Jonasson became the Zollinger Professor and Chair of Surgery in 1987. Dr. Jonasson has a national and international reputation for work in the field of organ transplantation and in general surgery, and chaired the President’s Task Force on Organ Transplantation in 1986. In 1993 the department was led by Dr. Ronald Ferguson, Director of the Division of Transplantation. Dr. Ferguson established a highly successful practice plan for the department and successfully recruited young and highly capable directors of the Divisions of Thoracic and Cardiovascular Surgery, Orthopaedics, and Urology. Dr. Ferguson has made substantial contributions to the literature in the field of transplantation, including clinical studies which led to the widespread adoption of the immunosuppressive regimen most commonly employed in modern kidney transplantation.

Dr. E. Christopher Ellison was named the Zollinger Professor and Chair of Surgery in 1999. He is the son of Dr. Edwin Ellison, trained under Dr. Carey and worked with Dr. Zollinger, providing continuum to the tradition of excellence. Under Dr. Ellison’s administration the department experienced tremendous growth. The divisions of Orthopedic Surgery, Neurological Surgery, Urology and Plastic Surgery became departments. The Division of Cardiothoracic Surgery split to form two separate divisions, Cardiac Surgery and Thoracic Surgery, and the Division of Colorectal Surgery was established in 2012. Full time faculty grew from 54 members in 1999 to 82 members in 2011. The department experienced growth in clinical operation, funded research and training programs.

In April 2013 Dr. Ellison stepped-down as chair to focus his efforts as CEO of the Faculty Group Practice. Dr. Robert S. D. Higgins was appointed department chair. Trained at Yale, Dr. Higgins joined Ohio State in July 2010 as director of the Comprehensive Transplant Center and chief of the Division of Cardiac Surgery. He holds the John H. and Mildred C. Lumley Chair in Medicine. His goal is to lead the department in creating the future of surgery NOW.
MULTIDISCIPLINARY CARE

Improving outcomes the goal of pancreatectomy registry

Patients diagnosed with pancreatic cancer face statistically low five-year survival rates. Surgeons at Ohio State are participating in a national registry with the goal of improving care for patients with pancreatic cancer and other pancreatic disease.

The American College of Surgeons National Surgical Quality Improvement Project (NSQIP) Pancreatectomy Demonstration Project began in Nov 2011 with the collection of targeted variables. Forty-three institutions contributed over 2,800 cases for this project. All patients who received a pancreatectomy as their principle procedure are registered in this study.

The project is directed nationally by Dr. Henry Pitt, Temple University. At OSU the surgeon-champions are Dr. Peter Muscarella, II, associate professor of surgery and Dr. Susan Moffatt-Bruce, associate professor of surgery and chief patient safety officer. Surgery clinical reviewers Erica Porter, BSN, RN and Judi Michalek, BSN, RN are the clinical program managers. The Demonstration Project has ended and the variables collected are being evaluated by NSQIP researchers. OSUMC continues to collect variables for all patients undergoing pancreatectomy as a targeted procedure.

Variables are collected pre-, intra- and post-operatively. Pre-operative variables include history of jaundice, presence of biliary stents and neoadjuvant chemo- or radiation therapy. Intra-operatively duct size, gland texture, vascular resection type, pancreatic reconstruction technique and use and type of drains are recorded. Post-operative variables include amylase level, time of drain removal, and need for percutaneous drainage procedures. The type of surgery; open, laparoscopic, hand-assisted laparoscopic, robotic, laparoscopic or robotic converted to open, and hybrid, are also recorded.

Data is being used to evaluate the practice of surgeons and surgery clinical nurses. Previous studies suggest that institutions that perform a high volume of pancreatectomies have lower mortality and morbidity rates. Despite advances in surgical technique and perioperative management, morbidity rates remain high. Common morbidities include delayed gastric emptying, bleeding, pancreatic leak and need for re-operation. Current NSQIP data shows that readmission rates and average length of stay at OSUMC compare favorably with peer institutions.

See Pancreatectomy continued on page 7
Pancreatectomy (continued from page 6)

“Compliance with documenting variables has greatly improved and this has the potential to allow for changes in clinical practice that can improve surgical outcomes,” explained Muscarella. Another benefit of the data collection is identifying risk factors. The incidence of pancreatic disease is higher among patients with diabetes, who are tobacco users, and who are obese. “These are behaviors that can be addressed and modified through patient education,” stated Muscarella.

Surgeons at Ohio State were also involved in a large national trial on the use of intraperitoneal drains during pancreas resection, the results of which were published in the Annals of Surgery, December 2013. The multidisciplinary study concluded that the practice of eliminating the use of drains in pancreaticoduodenectomy may increase the chance of death following surgery.

The Ohio State University continues to invest in its pancreas program. OSU offers a multidisciplinary team of surgeons, oncologists and clinical nurses to treat diseases of the pancreas. Dr. Muscarella concluded, “Currently surgery is the only treatment that can offer an increase in 5 year survival.”
Dr. Gail E. Besner, the H. William Clatworthy, Jr. Professor of Surgery and Chief of the Division of Pediatric Surgery is using intestinal stem cells to treat disease and to produce tissue engineered intestine.

In 1990, Dr. Besner discovered a growth factor known as heparin-binding EGF-like growth factor, or HB-EGF. Over the past two decades, Dr. Besner has investigated ways to use this growth factor to protect the intestines from injury, with particular interest in a disease known as necrotizing enterocolitis (NEC). NEC typically affects newborn babies born prematurely, and carries a mortality rate of up to 50%. Despite 6 decades of research, there is no known cure for this disease. Dr. Besner’s research shows that enteral administration of HB-EGF in animal models of NEC protects the intestines from the disease. More recently, the Besner Laboratory has demonstrated that administration of mesenchymal stem cells (MSC) or enteric neural stem cells (NSC) also protects the intestines from experimental NEC. Importantly, when HB-EGF and stem cells are administered simultaneously, they act synergistically to further protect the intestines from injury. In these experiments, HB-EGF was found to increase engraftment of the stem cells into injured intestine and to protect the stem cells from injury, allowing them to exert their beneficial effects. Novel strategies such as these for the treatment of NEC are crucially needed.

Patients with NEC often require life-saving surgery to remove the diseased intestines. Many of the survivors are left with a debilitating disease known as short bowel syndrome (SBS). SBS results from removal of large lengths of intestine, leaving the patient with inadequate amounts of intestine for nutrient absorption. Currently, the only treatments for SBS are chronic administration of total parenteral nutrition or small bowel transplantation, both of which are associated with significant complications. The Besner Laboratory is using their stem cell expertise, in collaboration with the biomechanical engineering expertise of the Lannutti Laboratory at OSU, and the scaffolding expertise of Nanofiber Solutions, to produce tissue engineered intestine (TEI). The goal of this work is to determine the best scaffold material, and the best cell seeding technique, to produce a tissue engineered intestine that can replicate the complex absorptive and functional requirements of native intestine. The TEI produced will be derived from a patient’s own cells, thereby avoiding the requirement for immunosuppression that is currently necessary for small bowel transplantation. Successful production of TEI will represent a huge step forward in the management of patients of all ages with SBS.
It is time once again for one of the three signature events of the Center for Regenerative Medicine and Cell Based Therapies. The 7th Annual Translational to Clinical (T2C) Regenerative Medicine Wound Care Conference will be held on March 13-15, 2014 at the Ohio Union. The T2C meeting started six years ago with a focus on wound care and now has evolved to incorporate the latest cutting edge advances in regenerative medicine not only in wound care, but many aspects of medicine. We assemble top level national experts in an academic medical center setting such that participants may include a large number of students, clinicians and researchers who are currently or seeking to work in this area. The conference looks to promote knowledge dissemination and advancement in the emerging field of regenerative medicine in stem cell therapies, imaging, tissue engineering and wound care.

Our Call for Abstracts is currently open and all work addressing any aspect of regenerative medicine, cell-based therapies, imaging, tissue repair, wound care and inflammation across organ systems is invited. Registration fees are waived for the first author and any additional authors will be discounted to $100.00 (Full Course Registration is $250.00). First authors must complete a manual registration form after online abstract submission. Additional authors must be named during online poster submission and must register for the Friday ONLY Registration, so information can be tracked and appropriate CME (if applicable) be awarded. Abstracts must be submitted by Saturday, February 15 to receive discounted registration fees.

The conference features lectures by 18 worldwide experts who will discuss stem and progenitor cells, inflammation, angiogenesis, biomaterials, limb salvage and organ engineering. Keynote speakers include Antony Atala, MD, director of the Wake Forest Institute for Regenerative Medicine; Elaine Fuchs, PhD, investigator for Rockefeller University; and Michael Longaker, MD, MBA, co-director of the Institute for Stem Cell Biology and Regenerative Medicine at Stanford University.

The Ohio State University has more than 200 faculty active in the multidisciplinary field of regenerative medicine. The first day of the conference will begin with 20 mini-lectures by Ohio State faculty at 7:30 a.m. More than 70 posters have been committed and more are expected.
The conference will formally open to external registrants at noon Thursday, March 13. The second day will be our first Industry Summit. Ten leading-edge companies will participate in an innovative and interactive forum, which will feature product releases, opportunities for academia-industry partnerships to be formed, hands-on product experiences and expert panels to review reimbursement and regulatory requirements. Our panel will consist of CEOs, research scientists, physicians and nurses.

The third day would be mostly clinical in coverage.

Registration is open and we encourage you to take time off to learn and enjoy this extraordinary experience right on the OSU campus. The Ohio State University Center for Continuing Medical Education (CCME) designates this live activity for a maximum of 12.5 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity. The Ohio State University Center for Continuing Medical Education (CCME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME®) to provide continuing medical education for physicians.

The Conference Program with speaker presentation titles is currently available. Please visit the T2C conference website for the program schedule and online registration at www.regenerativemedicineconference.osu.edu.

Questions? Contact Brent Toto at brent.toto@osumc.edu.
NEW FACULTY

Peter H.U. Lee, MD, MPH, MS, FAsMA

We are pleased to announce the appointment of Peter Lee, MD, as assistant professor of surgery in the Division of Cardiac Surgery, effective December 1, 2013. Dr. Lee is certified by the American Board of Thoracic Surgery and the American Board of Surgery. His clinical interests include heart and lung transplantation. Dr. Lee was previously a faculty member at Stanford University School of Medicine.

Dr. Lee earned a medical degree at the Warren Alpert Medical School of Brown University. He also completed a master of public health degree in quantitative methods at the Harvard School of Public Health and a master of science degree at the International Space University in Strasbourg, France. He completed a general surgery residency at Tufts University School of Medicine and a cardiothoracic residency at UCLA.

Dr. Lee’s research interests include skeletal and cardiac muscle tissue engineering and gene therapy, as well as the use of stem cells for the study and treatment of heart failure.

In addition to surgery, Dr. Lee’s other passion is space life science research and the effect of space travel on human physiology. In particular he has extensively studied the effect of zero gravity on the heart. Dr. Lee serves as principle or co-investigator on several NASA-funded studies including “The evaluation of the effects of spaceflight microgravity and radiation on cardiac function and morphology in Drosophila (fruit flies).”

Dr. Lee is the recipient of numerous awards and honors and is a member of many professional societies including the Society of Thoracic Surgeons, the American Medical Association, the International Society for Heart and Lung Transplantation and is a fellow of the Aerospace Medical Association.

Please join us in welcoming Dr. Peter Lee to The Ohio State University Wexner Medical Center.
FACULTY NEWS

Ginny Bumgardner, MD, PhD, professor of surgery, director of the Master of Medical Science Program and associate dean of research education and Joanna Groden, PhD, vice dean of research, College of Medicine, received a Howard Hughes Dissemination Award. Drs. Bumgardner and Groden received renewed support from the Howard Hughes Medical Institute to disseminate the innovative curriculum for the Med into Grad Program which aims to bridge the gap between biomedical sciences and medicine.

Bhagwan Satiani, MD, MBA, professor of clinical surgery, Division of Vascular Diseases & Surgery, director of the Faculty Leadership Institute, and medical director of Vascular Labs and Steven Dean, DO, associate professor of medicine and program director for Vascular Medicine are co-editors of ‘Color Atlas and Synopsis of Vascular Medicine’, which is the first in a part of a series of atlases in vascular and cardiac diseases being coordinated by the Heart & Vascular Center under Dr. William Abraham’s direction. The atlas is published by McGraw Hill.

Color Atlas of Vascular Diseases is designed to help properly identify and manage vascular diseases involving the arterial, venous, and lymphatic system. It offers a clinical and synoptic approach to the full range of diagnostic and therapeutic considerations in vascular diseases. Included are hundreds of state-of-the-art clinical, diagnostic, and interventional images, along with concise, bulleted text detailing the diagnosis and patient management.

This unique combination atlas and learning text written by experts in the field, integrates the fields of vascular medicine, vascular surgery, and endovascular therapy in an effective, easy-to-learn fashion. Chapters feature succinct bulleted teaching points combined with photographs of vascular pathology. When appropriate, vivid arteriographic and ultrasonographic images are also included.
GRADUATE SURGICAL EDUCATION

Med 1 Career Fair

The beginning of the year brought two opportunities for the Education Team to promote the Department of Surgery to medical students. The Med 1 Career Fair was a huge success. Students were able to ask questions and practice Fundamentals of Laparoscopic Surgery with the box trainer. The Department of Surgery will be offering a Summer Scholars program for first year medical students. This will take place starting in June and will be a 6 week mentorship program. For more information please contact Lynnsay Sinclair@osumc.edu

Med 2 Career Exploration

The student education team recently participated in Med 2 Career Exploration week. This week is part of the second year medical curriculum and it is designed to give medical students exposure to several career opportunities early on. We received feedback from the College of Medicine and students felt the experience was a huge success! Students were able to hear first-hand from our chiefs what residency life is all about and also hear from faculty on what it means to be a surgeon. A special thank you to Dr. Robert Higgins, Dr. Alan Harzman, Dr. Sherif Abdel-Misih, Dr. Ginny Bumgardner, Dr. Padmanabhan from Mt. Carmel, Dr. Vimal Narula, Dr. Laura Peterson, Dr. Eric Luedke, Ozzie Leon, and Center for Minimally Invasive Surgery for helping with the simulation.

MMSP Corner

Joseph Drosdeck, MD, MS graduated from the Master of Medical Science Program in December of 2013. In order to graduate from the program Dr. Drosdeck completed 30 credit hours of training offered through The Ohio State University. His focus was on the Fundamentals of Laparoscopic Surgery and the New Paradigm in Endoscopic Simulation. Dr. Drosdeck presented the findings of his research at Grand Rounds on October 31, 2013. Dr. Melvin served as his primary research mentor. Congratulations Dr. Drosdeck!

The MMSP will be offering a new Clinical Research track starting Summer Semester. Courses will include Clinical Trial Design, Statistics, Scientific Method, Biomedical Literature Interpretation, and Academic Development. This track will offer a structured insight for MMSP residents interested in academic research. A special thank you to Dr. Carl Schmidt and Dr. Kyle Perry for working on this collaborative and exciting new curriculum. 💫

Surgery education news courtesy of Lynnsay Sinclair, program coordinator
SPOTLIGHT ON STAFF

Mark Bishop

The Department of Surgery relies on technology to support its missions of excellence in patient care, education and innovative research. When the information systems are not working as they should often it is Mark Bishop, systems manager, who comes to the rescue. The Department is very fortunate to have its own information technology (IT) support where Mark has served for over 4 years.

Mark was raised in West Seneca, New York, a suburb of Buffalo. When he was fifteen years old he relocated to Napoleon, Ohio with his mother, who is a nurse at the Wood County Hospital in nearby Bowling Green. Following high school Mark enlisted in the U.S. Marine Corps serving as a chef with the 8th Communications Division. “We won best mess-hall in the armed forces in 2000 and 2001 and I won a certificate of commendation for my work as Chief Baker,” said Mark. Following an honorable medical discharge for health issues Mark attended Bowling Green State University where he earned a bachelor of science in business administration and a bachelor of science in hospitality management. While in college he was a member in the Alpha Lambda Delta national honor society.

In 2006 Mark moved to Columbus having accepted a position with the Hyatt Regency Columbus as a front desk agent. “Soon after joining I was promoted to overnight supervisor of the front desk and was responsible for backing up data for the hotel. As a result my interest in IT grew,” Mark explained. In 2009 Mark enrolled at the Microsoft Academy in Columbus for IT training. He graduated in 2010 at the top of his class and earned the prestigious title of Microsoft Certified Systems Administrator.

Also in 2009 Mark received several job offers including those from the U.S. Air Force in Oregon and the OSU Department of Surgery. Citing a desire to remain near his family in Ohio he accepted the position with Surgery in July 2009. Mark finds it very rewarding to be able to support Ohio State’s surgeons so that they can focus on improving patient’s lives. In addition to keeping the Department’s IT systems running properly he also explains data policies to faculty and staff. Keeping patient information secure is a critical job responsibility. Mark states that he is very happy to have a role in “a great university.”

Away from work Mark is a football and hockey fan, enjoys traveling and he is a video game enthusiast. He and his wife Andrea have been married five years and have a four year old son Ethan. Mark’s wife also works in the information technology industry managing databases for Discover Card. Together they also run a home business “Buckeye Techies” offering home computer support.
IN BRIEF

In the News

Woman’s Pulse Surges Through Her Neck, Reveals Heart Condition
A November 15, 2013 story appeared on LiveScience, an online journal with an audience of over 2.3 million and the Huffington Post, with an online audience of over 40 million described a 33-year-old woman in Canada who had large, abnormal pulses that were clearly visible in her neck ultimately needed surgery to combat a bacterial infection in her heart, according to a new report of her case. The pulses were observed while the woman was being evaluated to see if she needed a replacement heart valve. “Such abnormal pulses are actually common, and are caused by a heart problem known as tricuspid regurgitation,” said Dr. Juan Crestanello, associate professor of surgery, Division of Cardiac Surgery. Dr. Crestanello was not involved with the woman’s care.
LiveScience
Huffington Post

What The Heck is…Peripheral Artery Disease?
Dr. Michael Go, assistant professor of surgery, Division of Vascular Diseases and Surgery, wrote a column on peripheral artery disease for the November 30 issue of the on-line journal LiveScience. Peripheral artery disease (PAD), also called peripheral vascular disease, is a narrowing of the peripheral arteries (arteries outside the heart). It is a common disorder of the circulatory system and affects approximately 10 million people in the United States. Peripheral artery disease is usually caused by atherosclerosis, a buildup of fatty deposits in artery walls that leads to restricted blood flow (also called “hardening of the arteries”). Atherosclerosis affects the heart and can affect arteries throughout the body. People with peripheral artery disease may not experience symptoms during the beginning stages.
LiveScience

Physicians comment on recent Ohio Execution
Dr. Jonathan Groner, professor of surgery, Division of Pediatric Surgery, was quoted in the January 20 on-line journal The Guardian regarding the use of an untried combination of drugs at the January 16 execution of a convicted murderer in Ohio. Groner, a professor of clinical surgery at Ohio State College of Medicine, said there were several disturbing issues thrown up by the department of correction’s record. The actual cause of death would have been
a massive overdose of hydromorphone, which is an opioid. “This was a death by narcotic overdose. When heroin addicts die they die unpleasantly — and that’s what happened here.”

The Guardian

Cooking Up Danger

Dr. Larry Jones, associate professor of clinical surgery, Division of Trauma, Critical Care and Burn, and director of the Burn Center, was interviewed in a November 21 WSYX-TV/6 story about kitchen grease fires, one of the more common causes of burn injuries seen in OSU’s Burn Center. He warned against using flimsy disposable pans for cooking turkey, and using caution when there are several cooks in the kitchen. He was also interviewed by WBNS-TV/10 on November 28 and the Duluth News Tribune. This coverage resulted from pitching efforts and a news release distributed by Ohio State University Wexner Medical Center Public Affairs and Media Relations, available online at:

WSYX-TV
WBNS-TV
Duluth News Tribune

Dr. Christian Jones, assistant professor of surgery, Division of Trauma, Critical Care and Burn, was interviewed by iTriageHealth, an on-line blog. In the article Dr. Jones described the risks involved with primary non-operative management involving treating appendicitis using antibiotics rather than surgery, even when the appendix has not ruptured. “Most surgeons still consider this to be an experimental treatment, and the classic teaching is that failure to remove the appendix will result in a rupture. The main concern is that, if this happens, it will not result in a controlled infection in the area that surrounds the appendix, but rather will cause an infection that spreads throughout the abdomen, and could even cause a leak from the large intestine into the abdomen. Either of these situations would require major surgery, and could quickly become life-threatening,” said Dr. Jones. This coverage resulted from pitching efforts and a news release distributed by Ohio State University Wexner Medical Center Public Affairs and Media Relations, available online at: http://blog.itriagehealth.com/appendicitis-surgery-option/
Communication Counts When Preventing Retained Surgical Items

The General Surgery News reported in the December 2013 issue that clinicians who face unpredictable surgical settings can make a few adjustments to greatly decrease the number of items left behind in patients, according to a recent report by the Joint Commission. The medical accreditation organization’s alert highlighted the importance of using a standardized item counting system during surgery. At Ohio State University (OSU), such a system has decreased the likelihood of retained surgical items and other intraoperative adverse events. An author of the 2013 study from the Journal of the American College of Surgeons, Susan D. Moffatt-Bruce MD, PhD, chief quality and patient safety officer at the OSU’s Wexner Medical Center, introduced a common safety checklist for all operations that take place at OSU hospitals. Her colleague, Stanislaw P. Stawicki, MD, associate professor of surgery, Department of Trauma and Critical Care at OSU and lead author of the 2013 study, said since the checklist’s implementation, “the incidence of retained surgical items has decreased substantially.”

General Surgery News

4-Way Kidney Exchange

The Ohio State University Wexner Medical Center has done close to 4,000 kidney transplants in its history. Finding donors and recipients has evolved in the last decade. A change in mindset is opening up a new life-saving option, a kidney exchange. Ohio State nurse Sarah Lewis started a 4-way transplant chain by donating one of her kidneys to someone in need. Robin Petersen-Webster and Dr. Ronald Pelletier, associate professor of surgery, Division of Transplantation, were also interviewed in the December 18 WCMH-TV/4 news story. This coverage resulted from pitching efforts and a news release distributed by Ohio State University Wexner Medical Center Public Affairs and Media Relations, available online at:

WCMH-TV
NBC4 online
Recognitions

Patient Satisfaction

The Division of Surgical Oncology and Division of Transplantation were recognized at the recent BRAVO Year-end Patient Satisfaction recognition event. Both divisions achieved patient satisfaction in the 90th percentile. Jean Royal, administrator of Surgical Oncology, Sheila Zirkle, administrator of Transplantation and Elmahdi Elkhammas, MD, professor of clinical surgery, Transplantation attended the ceremony.

Dr. Laura Boomer, pediatric surgical critical care fellow, was selected by the American Academy of P Section on Surgery to receive the Rosenkrantz Clinical Research Award for her study “Does delay in appendectomy affect surgical site infections in children with appendicitis?”

David C. Evans, Assistant Professor, accepted an invitation to join the Editorial Board of the International Journal of Critical Illness and Injury Science in the capacity of Editorial Expert. Dr. Evans has also been appointed to the Leadership Council of the American Society for Parenteral and Enteral Nutrition (ASPEN) Research Section.

The Center for FAME’s Faculty Leadership Institute (FLI) received 44 applications for 30 seats in the 2014-2015 class. Leadership Development committee members selected candidates for the second cohort. All applicant resumes and applications were reviewed by multiple individuals and scores were averaged in a transparent process. At the November 13th meeting, additional considerations such as appropriate departmental representation, candidates likely to benefit the most from this offering and diversity were all taken into account.

The 2014-2015 class is 43% women and 33% are minorities. The Faculty Leadership Program starts April 2014. Representing the Department of Surgery are:

- William Cirocco, MD – Colon and Rectal Surgery
- David Evans, MD – Trauma, Critical Care and Burn
- Sabrena Noria, MD – General and Gastrointestinal Surgery
- Kyle Perry, MD – General and Gastrointestinal Surgery
- Chittoor Sai-Sudhakar, MD – Cardiac Surgery
- Carl Schmidt, MD – Surgical Oncology
- Bryan Whitson, MD – Cardiac Surgery

Completing the 2013-2014 Faculty Leadership Institute are Surgery faculty members Dr. Vimal Narula and Dr. Bradley Needleman. Congratulations to all!
**Dr. Michael Go**, assistant professor of surgery, Division of Vascular Diseases and Surgery, was recognized for FY13 High Performing Physicians – 183 attending physicians are in the top 10% of physicians nationally for patient satisfaction. Physicians received replies to at least 20 surveys and were at or above 90% nationally for ambulatory surgery areas or in-house HCAHPS.

**Tonia Harper**, administrator of the Division of General and Gastrointestinal Surgery completed her master of business operational excellence degree, with a healthcare track, in December 2013. Tonia earned her MBOE at the OSU Fisher College of Business. In addition to her masters she received a Lean Sigma Blackbelt Certification. Congratulations Tonia.

On November 21 **Dr. Mounir Haurani**, assistant professor of surgery, Division of Vascular Diseases and Surgery, implanted the first drug eluting superficial femoral artery stents at Ohio State, and on November 14th Dr. Barry George, Cardiology Medicine and Dr. Haurani implanted the first fenestrated aortic stent graft for repair of an abdominal aneurysm.

**Dr. Larry Jones**, associate professor of clinical surgery and director of the Burn Center served as a poster judge at the American Physician Scientists Association’s Midwest Regional Meeting, The Ohio State University, Columbus, Ohio, November 9, 2013.

**Dr. David E. Lindsey**, associate professor of surgery, Division of Trauma, Critical Care and Burn, was appointed a Harvard-Macy Scholar to attend the Program For Educators in Healthcare Professionals at Harvard, Cambridge, Massachusetts.

**Dr. Sidney Miller**, professor of surgery and director of Burn Research and Development, Division of Trauma, Critical Care and Burn, has been appointed to the editorial board of the Austin Journal of Surgery and to the Prevention Committee of the American Association for the surgery of Trauma. Dr. Miller has also been appointed to the Prevention Committee of the American Association for the Surgery of Trauma and has been appointed to the Data Monitoring Committee for new multi-center Novartis Study.

**Dr. Raphael Pollock**, chief of the Division of Surgical Oncology was also invited as the Mansour lecturer at Case Western Reserve Medical Center on October 24 and the Cahill lecturer at Georgetown University Medical Center on November 5. In October, Dr. Pollock was also asked to serve as Chairman of the AJCC (American Joint Committee on Cancer) Sarcoma Committee for a four year term (2013-2017).
Congratulations to Dr. Sashwati Roy, associate professor of surgery and Amitava Das, graduate research associate, for their article in the January 15 issue of The Journal of Immunology is being featured by the “In This Issue” section. “In This Issue” highlights articles considered to be among the top 10% of articles published in the journal. In addition, a corresponding ImmunoCast of the “In This Issue” section is produced for each issue, and can be found on The Journal of Immunology web site at: http://www.jimmunol.org/rss/jipodcast.xhtml.

Dr. Benjamin Sigmond disclosed that he was admitted to the hospital during the holidays and wishes to thank the individuals took excellent care of him. “I want to recognize and thank the folks for their hard work taking care of me while I was an inpatient last week at East… Thank you,” said Sigmond. He listed his caregivers as:

Michelle Ross, RN (ED)  Anna Vayntraub, RN (E8T)
Kathy Myers, RN (E8T)  Jalata Hunde, PCA (E8T)
Wendy Morton, RN (E8T)  Katrina Strawser, PCA (E8T)
Amy Klupp, RN (E8T)  Karen Maguire, PCA (E8T)

Dr. Stanislaw P. Stawicki, Associate Professor, has accepted an invitation to join the Editorial Board of the World Journal of Gastrointestinal Endoscopy. Dr. Stawicki was also appointed to the Ohio State University Senate Research Committee; and appointed the Chair of the Subcommittee on Research Collaborations.

Dr. Patrick Vaccaro completed his MBA degree from The Ohio State University Fisher College of Business and graduated December 17.
Lunchtime Concert Features Jazz Physicians

Not all physicians play golf in their spare time. The Medicine and the Arts lunchtime concert featured two OSU physicians and their jazz piano teacher performing and discussing the role of music in their lives on Friday, January 24. “Off the Page and Out of the Box” will feature Mark King, MD, in the Division of Diagnostic Radiology; Blair Vermilion, MD, associate professor of clinical surgery and associate medical director of Utilization Management; and Bradley Sowash, BM.

This event was made possible through a collaboration of the OSU College of Medicine, the OSU College of Medicine Alumni Society, the OSU College of Medicine Music in Medicine and the Medicine and the Arts Board of the OSU Wexner Medical Center. Learn more at medicine.osu.edu/humanism/arts.

Bradley Sowash (left) and Dr. Blair Vermilion perform at “Off the Page and Out of the Box.”
Book Chapters


Publications


Go MR. IVC Filter complications common, retrieval rare. Vascular Specialist 2013 November;9(6)1.


Leskovan JJ, Justiniano CF, Bach JA, **Cook CH, Lindsey DE, Eiferman DS**, Papadimos TJ, **Steinberg SM**, Bergese SD, **Stawicki SP, Evans DC**. Anion gap as a predictor of trauma outcomes in the older trauma population: Correlations with injury severity and mortality. *Am Surg.* 2013 Nov;79(11):1203-1206.


Moldovan L, Batte KE, **Trgovcich J**, Wisler J, Marsh CB, Piper M. Methodological Challenges in Utilizing miRNAs as Circulating Biomarkers *Journal of Cellular and Molecular Medicine.* 2013; [in press]


**Satiani B.** Health Care Update: Hospital Employment or Private Practice? *Perspect Vasc Surg Endovasc Ther.* November 20, 2013


**Abstracts**


International Presentations


National Presentations


Moffatt-Bruce SD, Cook CH, Steinberg SM, Stawicki SP. Risk factors for retained surgical items: A meta-analysis and proposed risk stratification system. Podium presentation at the 9th Annual Academic Surgical Congress, San Diego, CA, February 4-6, 2014.

Moffatt-Bruce SD, Stawicki SP. System-wide implementation of the safe surgical checklist: Productive not disruptive. Quick Shot presentation at the 9th Annual Academic Surgical Congress, San Diego, CA, February 4-6, 2014.

Local Presentations


Bing M, Jiang J, Xie J, **Miller, SF.** A Novel Tissue Engineering Strategy with Combination of Multiple Nanostructured Cues and Microskin Grafts with Extensive Skin Expansion for Skin Regeneration. Presented at the 41st Annual Eastern Great Lakes Burn Study Group, Dayton, OH, October 24-25, 2013.


**Coffey R:** Instructor, Advanced Burn Life Support Course, Nationwide Children’s Hospital, Columbus, OH, November 14, 2013.

**Elkhammas EA.** Speaker, Transplantation in 2013: Review of Best Practices: Case Presentation, Columbus, OH, October 25, 2013.


**Go MR.** Surgical excision is the only way to treat a graft infection. Controversies in Vascular Disease, The Ohio State University Wexner Medical Center, Columbus, OH, November 1, 2013.

**Go MR.** Medical management is still the Gold Standard! Controversies in Vascular Disease, The Ohio State University Wexner Medical Center, Columbus, OH, November 1, 2013.

**Go MR.** Radial artery imaging pre-CABG/cath. 6th Annual Vascular Noninvasive Testing Symposium, The Ohio State University Wexner Medical Center, Columbus OH, November 2, 2013.

**Haurani MJ.** Rib resection can be delayed or even dispensed with! Controversies in Vascular Disease, The Ohio State University Wexner Medical Center, Columbus, OH, November 1, 2013.

**Haurani MJ.** Endovascular intervention is the only way to manage acute limb ischemia no matter what the cause. Controversies in Vascular Disease, The Ohio State University Wexner Medical Center, Columbus, OH, November 1, 2013.
Haurani MJ. What’s new in peripheral vascular intervention? 6th Annual Vascular Noninvasive Testing Symposium, The Ohio State University Wexner Medical Center, Columbus OH, November 2, 2013.

Jones LM: “Emergency Burn Management.” Presentation to Emergency Medicine physicians, The Wexner Medical Center East at The Ohio State University, Columbus, OH, November 7, 2013.

Jones LM: “Emergency Burn Management” Emergency Medicine Resident Lecture, The Wexner Medical Center at The Ohio State University, Columbus, OH, October 30, 2013.

Jones LM: Instructor, Advanced Burn Life Support Course, Nationwide Children’s Hospital, Columbus, OH, November 14, 2013.

Masterson L. Histopathology Features of Nonarteriosclerotic Diseases of the Aorta & Arteries. The Ohio State University Wexner Medical Center, Division of Vascular Diseases & Surgery, Vascular Grand Rounds, Columbus OH, November 25, 2013.


Mouawad NJ. Femoral artery pseudoaneurysm management. 6th Annual Vascular Noninvasive Testing Symposium, The Ohio State University Wexner Medical Center, Columbus, OH, November 2, 2013.

Rink C. iGOT Neuroprotection. The Ohio State University Wexner Medical Center, Division of Vascular Diseases & Surgery, Vascular Grand Rounds, Columbus, OH, November 4, 2013.


Satiani B. After hours venous scanning is a waste of time and resources. Controversies in Vascular Disease, The Ohio State University Wexner Medical Center, Columbus, OH, November 1, 2013

Satiani, B. Time management and Panel discussion. The Ohio State University Wexner Medical Center, Faculty School: How to Thrive in Academic Medicine workshop, Columbus OH, November 15, 2013
Satiani B. The future employment picture for General Surgeons. Visiting Professor Medical College of Ohio, Surgical Grand Rounds, Toledo, OH, November 27, 2013.

Satiani B. The business of medicine or change management. Department of Surgery Assistant Professors Group. The Ohio State University Wexner Medical Center, Columbus, OH, January 9, 2014

Starr JE. That thinking is obsolete; there are many ways to salvage a graft! Controversies in Vascular Disease, The Ohio State University Wexner Medical Center, Columbus, OH, November 1, 2013

Starr JE. Chronic visceral ischemia is best treated with open surgical techniques. Controversies in Vascular Disease, The Ohio State University Wexner Medical Center, Columbus, OH, November 1, 2013

Starr JE. Bedside IVC filter placement. 6th Annual Vascular Noninvasive Testing Symposium, The Ohio State University Wexner Medical Center, Columbus OH, November 2, 2013.

Vaccaro PS. Paget Schroetter disease should be managed with immediate Lysis followed by 1st rib resection. Controversies in Vascular Disease, The Ohio State University Wexner Medical Center, Columbus, OH, November 1, 2013

Vaccaro PS. Innominate, Subclavian & Vertebrobasilar Artery Disease. The Ohio State University Wexner Medical Center, Division of Vascular Diseases & Surgery, Vascular Grand Rounds, Columbus OH, December 23, 2013.

Vermilion BD. Thoracic outlet syndrome workup and management. 6th Annual Vascular Noninvasive Testing Symposium, The Ohio State University Wexner Medical Center, Columbus OH, November 2, 2013

Vermilion BD. Structure & Function of the Lymphatic System. The Ohio State University Wexner Medical Center, Division of Vascular Diseases & Surgery, Vascular Grand Rounds, Columbus OH, December 9, 2013.
Outreach

The OSU Burn Team participated in several community outreach events over the fall, including assisting the Columbus Division of Fire in installing smoke detectors and replacing batteries in existing smoke detectors. Burn prevention education was provided to over 1000 persons of all ages at these events.

Coffey R: Instructor, Advanced Burn Life Support Course, Nationwide Children’s Hospital, Columbus, OH, November 14, 2013.

Jones LM: “Emergency Burn Management.” Presentation to Emergency Medicine physicians, The Wexner Medical Center East at The Ohio State University, Columbus, OH, November 7, 2013.

Jones LM: Instructor, Advanced Burn Life Support Course, Nationwide Children’s Hospital, Columbus, OH, November 14, 2013.

Jones LM: “Emergency Burn Management” Emergency Medicine Resident Lecture, The Wexner Medical Center at The Ohio State University, Columbus, OH, October 30, 2013.

Lindsey DE: Advanced Trauma Life Support, course director. Columbus, OH, November 9, 2013.

Stawicki SP: Research Opportunities for Post-Doctoral Researchers in Trauma, Critical Care, and Burn. Columbus, OH, November 22, 2013. ✤