Dr. Susan Moffatt-Bruce (standing) guides women medical students during a cardiac wet lab. Story on page 4.

IN THIS ISSUE:

Page 2  Dr. Higgins to lead at Johns Hopkins, Dr. Steinberg named interim chair
Page 3  Center for Surgical Outcomes Research
Page 5  Trauma training for Army Reservists
Page 6  Dr. Pollock joins televised panel
Page 7  Comorbidity-polypharmacy score validated

Plus more
Leadership

Dr. Higgins to lead at Johns Hopkins

by E. Christopher Ellison, MD, Interim Dean and Distinguished Professor, College of Medicine

Johns Hopkins Medicine has named Robert S. D. Higgins, MD, MSHA, the William Stewart Halsted Professor of Surgery, director of the Department of Surgery at the Johns Hopkins University School of Medicine and surgeon-in-chief of the Johns Hopkins Hospital. He will assume these positions on July 1.

While this is an excellent and prestigious opportunity for Dr. Higgins, we will certainly miss his leadership, his surgical expertise and his commitment to the academic medicine mission here at Ohio State. Dr. Higgins joined Ohio State in 2010 as professor and director of the Division of Cardiac Surgery and as executive director of the Comprehensive Transplant Center. He also holds the John H. and Mildred C. Lumley Medical Research Chair. In 2013, Dr. Higgins was named the chair of Surgery and surgeon-in-chief at the Wexner Medical Center.

Accomplishments that Dr. Higgins led and supported during his time here include recruiting nationally recognized physician scientists in areas of transplant, heart and cancer surgery; adding lung and islet cell transplant programs; and leading the Cardiac Surgery team in the successful implantation of an artificial heart at the Ross Heart Hospital. Dr. Higgins and his team also performed a groundbreaking six-way kidney transplant, the largest single institution transplant chain performed in Ohio.

Finally, and most importantly, Dr. Higgins was a surgical leader in OSUWMC’s efforts to improve quality and patient safety. He clearly built a culture around innovation, quality and teamwork.

Please join me in congratulating Dr. Higgins on his new role and in thanking him for all he’s done to improve people’s lives here at Wexner Medical Center over the past five years.

Dr. Steinberg named interim chair

Steven M. Steinberg, MD, professor of surgery, vice chair for clinical affairs, Department of Surgery, and chief of the Division of Trauma, Critical Care and Burn (TCCB) has been selected as interim chair of the Department of Surgery effective July 1. Dr. Steinberg earned his medical degree and completed his general surgery residency at The Ohio State University. Under his leadership TCCB has developed and grown programs in surgical critical care, trauma, burns, and acute care surgery.

A key achievement of Dr. Steinberg’s is the leadership of a statewide coalition to revise Ohio’s trauma system legislation. He has also helped to develop the Trauma Go Team, a collaboration between OSUWMC, Grant Medical Center, and Columbus Division of Fire to provide an on-site trauma surgeon in the event that a trauma patient cannot be safely extricated from a scene without surgical intervention. His specialty interests include general surgery, hemodynamic assessment and resuscitation, surgical infection, and organ failure. He is board certified in surgery and surgical critical care.

Dr. Steinberg is a fellow of the American College of Surgeons. He is actively involved in improving surgical quality and patient safety and serves on numerous national committees. He is listed on U.S. News & World Report’s “Best Doctors in America” and is frequently recognized for excellence in teaching.
Patient/parent-centered pediatric care

Led by Katherine J. Deans, MD, MHSc and Peter C. Minneci, MD, MHSc, the Center for Surgical Outcomes Research (CSOR) at the Nationwide Children’s Hospital is a clinical research laboratory with the mission of improving surgical outcomes and patient satisfaction. “We aim to incorporate the patient/parent perspective in our work, aligning their preferences with the best treatment options,” remarks Minneci.

The CSOR provides a “toolbox” of research methodologies to practicing clinicians. “Surgeons can come to the CSOR with a clinical question and from it we can create a research question, identify an optimal methodology, execute a study, and assist in reporting results,” explains Deans. Drs. Deans and Minneci currently lead more than 50 ongoing clinical research studies. In addition to NIH and AHRQ funding, Deans and Minneci were awarded a $1.6 million research grant in 2013 from the Patient-Centered Outcomes Research Institute (PCORI) to study the use of technology in improving shared decision-making.

One example of their studies on shared decision-making is with the management of appendicitis. They completed a pilot study demonstrating that antibiotic therapy is a feasible alternative to surgery for children with uncomplicated acute appendicitis. They are now studying the effects of engaging parents in the decision of whether their child should receive antibiotics alone or surgery. Working with local software companies, Deans and Minneci created an iPad app that parents can use to learn more about the diagnosis and treatment options. By incorporating patients as active participants in their care, they hope to improve postoperative outcomes, decisional efficacy, quality of life, and healthcare satisfaction.

Many CSOR projects utilize stakeholder groups which Deans and Minneci believe are impactful in the success and generalizability of surgical research. These groups have vested interests in the design and outcome of the research and consist of patients, families, patient educators, payers, nurses, and physicians of various disciplines. “Involving stakeholders is an invaluable way to broaden your view and shape the research study so that it is patient-centered,” says Deans.

A core area of interest for Deans and Minneci is researching radiation exposure from diagnostic imaging and examining how to quantify the amount of radiation that a pediatric patient receives from CT scans. Deans and Minneci are currently collaborating with Daniel Lodwick, MD, MS, a general surgery resident at Ohio State, who has a Master’s degree in Medical Physics. The team is creating, implementing, and evaluating a novel process that merges clinical patient level data from the electronic medical record with patient and organ specific radiation dose data. This allows the team to measure and monitor radiation exposure long-term. “Patients may receive multiple CT scans during their treatment, and the risk of radiation exposure is additive with repeated scans. Previously, nobody was able to quantify how much radiation patients received,” noted Lodwick. Their method utilizes advanced patient modeling and then simplifies the process by utilizing pre-tabulated radiation exposures that are scaled to an individual’s imaging parameters. The result is age and gender matched, and scaled to patient body size and composition.

“Ultimately every procedure in medicine comes with risk and we cannot tell families that we have no estimate of that risk. We owe it to them to study the medical use of radiation and quantify the radiation burden to each patient to give our best knowledge of that risk,” states Lodwick. It is their unique combination of knowledge of radiation physics from Dr. Lodwick with the focus on clinical research methodology from Drs. Deans and Minneci that has made this research possible. Of his training at the CSOR Lodwick says, “It’s incredible to be able to work with mentors that understand how to create this system and have the passion and commitment required to build it.” Learn more by visiting http://www.nationwidechildrens.org/surgical-services-research-innovation
Association of Women Surgeons host lab

The Association of Women Surgeons held a cardiac surgery wet lab on Tuesday, April 7th in the Ross Heart Hospital. St. Jude Medical graciously provided the porcine hearts for dissection, prosthetic valves and sutures for participants to practice their valve repair skills, along with an introductory didactic session on cardiac anatomy. The event also provided an excellent opportunity to network with surgeons from the Wexner Medical Center. Susan Moffatt-Bruce, MD, PhD, associate professor of surgery, serves as the group’s advisor.

The Ohio State University Chapter of the Association of Women Surgeons (AWS) is a new organization focused on introducing female medical students to the dynamic careers within general surgery and various surgical subspecialties. As a branch of the American College of Surgeons, the AWS is dedicated to connecting OSU College of Medicine’s female medical students with surgery mentors, opportunities in research, and clinical skills labs oriented toward the practices of various areas of surgery. Sara Adelman, MD candidate, is the OSU Chapter president.

This event marks the chapter’s first clinical skills lab, held in conjunction with the Department of General Surgery and St. Jude Medical. Female medical students were guided through a cardiac wet lab, complete with porcine hearts, interactive dissection alongside cardiac surgeons, and valve replacement demonstrations. Students were also given the opportunity to practice valve replacement, thanks to the guidance of cardiac surgeons Dr. Gregory Rushing and Dr. George Christensen. In addition, Dr. Susan Moffatt-Bruce was present to guide the lab and assist students throughout and Department of Surgery chair Dr. Robert Higgins stopped by to meet with students and observe the lab. The event was an incredible success, and is all thanks to the continued support of medical student education as well as our female students aspiring to a career in surgery!
Outreach

Trauma simulation training for Army reservists

Jonathan Groner, MD, associate professor of Surgery in the Division of Pediatric Surgery led a trauma simulation training day with the involvement of the Nationwide Children’s Hospital’s (NCH) departments of Critical Care, Emergency Medicine, Trauma and Burn Programs, Education, and Nursing. The group trained personnel from the 629th Medical Detachment of the Army Reserve based in Ohio. Twenty reservists participated in the all-day training session, including a certified registered nurse anesthetists, several RNs from the OR, ED, and Critical Care, as well as LPNs, Medics, OR Techs, a trauma surgeon with limited pediatric experience, and a Physician. There were also at least two soldiers with no previous medical experience.

The training sessions included lectures, skills practice which include intraosseous needle insertion, endotracheal intubation, tube thoracostomy, defibrillation, and three patient simulation injury scenarios that included both severe trauma and burns.

These Army reservists will soon deploy overseas as a forward surgical team. They will work in the austere environment of a mobile hospital unit and be responsible for performing emergency (“damage control”) operations on wounded soldiers. This includes airway control, mechanical ventilation, fluid resuscitation, and hemorrhage control. Although their first duty is to care for soldiers, the group that deployed to Afghanistan 4 years ago (after spending a day training at NCH) saw pediatric trauma cases on a fairly frequent basis.

In addition to the NCH group, Jeff Adams, simulator coordinator from Mount Carmel Hospital, brought over an adult simulator and set it up as an adult blast victim in need of both resuscitation and extrication.

The 629th expressed a desire to return soon for more experience and some members wondered if there was a way to expand this to other units.

Dr. Groner wishes to recognize the high level of professionalism demonstrated by the soldiers, and also the dedication of the NCH team who spent many hours preparing for this event. “My personal thanks to everyone who helped with the trauma simulation day for the Army Reservists. The soldiers were enthusiastic participants and asked numerous thoughtful questions. It is known from previous deployments that this team is likely to see pediatric trauma when deployed as a forward surgical team,” explain Dr. Groner.

(Photos courtesy of Jon Groner, MD)
Dr. Pollock joins televised panel discussion

On Wednesday, April 1, Raphael Pollock, MD, PhD, professor of surgery and chief of the Division of Surgical Oncology joined James Comprehensive Cancer Center physicians David Carbone, MD and Richard Goldberg, MD and a local representative from the American Cancer Society in a televised panel discussion “The Emperor of All Maladies: A Conversation of Local Impact.” The discussion was inspired by the Ken Burns’ directed PBS documentary, “Cancer: The Emperor of All Maladies” – the last segment of which aired right after this special. The esteemed panel discussed the latest research in the quest for a cure, changes in legislation to assure treatment for patients, and how cancer impacts central Ohio. The panel was hosted by Ann Fisher of WOSU-TV.

“Cancer: The Emperor of All Maladies” is a three-part, six-hour major television event from preeminent documentary filmmaker Ken Burns, in partnership with WETA Public Television. Based on the 2010 Pulitzer Prize-winning book The Emperor of All Maladies: A Biography of Cancer by Dr. Siddhartha Mukherjee, the series is the most comprehensive documentary on a single disease ever made.

(Photos with permission from WOSU and Ray LaVoie, ©2015)
Patients experiencing severe injuries are on average older than ever, but not every older patient is the same. A patient, for instance, who is 55 years old but has diabetes, heart disease, and high blood pressure, and is on a slew of daily medications may be considered “physiologically older” than a healthy 65-year-old. That’s the basis behind the Comorbidity-Polypharmacy Score, or CPS, developed by doctors at The Ohio State University Wexner Medical Center and first described in 2013.

The score calculation is easy: simply add the number of pre-injury medical problems to the number of pre-injury medications, and the result is the CPS. CPS was designed as a basic method for evaluating the “frailty” of patients over 45 and was quickly established as a good indicator of patient outcomes; older patients with higher CPS had more complications, longer stays in the hospital, and were more likely to be discharged to a skilled nursing facility or extended care facility than those of the same age but a lower CPS, even with the same severity of injuries.

The Ohio State University Wexner Medical Center Division of Trauma, Critical Care and Burn treats hundreds of patients over 45 each year for injuries, and the surgeons in the division along with anesthesiologists and pharmacists from the surgical intensive care unit developed the CPS. The greatest weakness of the formula, however, was that it was only in use at OSU and only evaluated using OSU patients. Other institutions have compared it with similar formulas, but no other academic center had evaluated the CPS system in its own patients to demonstrate its reliability.

That’s changed, now that Stanislaw Stawicki, MD, has published “Comorbidity–Polypharmacy Score as Predictor of Outcomes in Older Trauma Patients: A Retrospective Validation Study” in the March issue of World Journal of Surgery. Stawicki, part of the original team developing CPS at OSU, moved to St. Luke’s University Hospital in Bethlehem, Pennsylvania, to become chair of the Department of Research & Innovation there in 2014. He then led a team to evaluate the impact of CPS on patient outcomes, reviewing the records of over 5,000 patients and confirming that patients with higher CPS had longer hospital stays, more complications, and were more likely to be discharged somewhere other than home.

This is the first study to validate CPS as an important contribution of the OSU Division of Trauma, Critical Care and Burn to the wide treatment of injured patients. More evaluations of CPS are expected from OSU and from other centers as the average age of trauma patients continues to climb.

“I will be riding 50 miles in Pelotonia to support cancer research at The James.”

– Doreen M. Agnese, MD, associate professor of surgery and leader of Team Buckeye – OSU Surgical Oncology and Friends.

Read about Dr. Agnese’s ride at www.pelotonia.org/doreensride

If you wish to donate, please follow the link: https://www.mypelotonia.org/team_profile.jsp?MemberID=48838&SearchStart=0&PAGING
The Wound Care Big Data Summit was held March 30 at the NIH National Heart, Lung and Blood Institute in Bethesda, Maryland. Co-host by NIH, OSU CRMCBT and Stanford Medicine. Co-chaired by Dr. Chandan Sen, professor and associate dean, Summit speakers included experts from NIH, U.S. universities and industry. The goals of the summit were to determine how most effectively to build upon patient databases to answer questions of critical importance to the bioinformatics, healthcare economics, and clinical communities. Ohio State University presenters included Gayle Gordillo, MD, associate professor, Plastic Surgery; Peter Embi, PhD, associate professor, Biomedical Informatics; Sashwati Roy, Ph.D, associate professor, Surgery; and Chandan Sen, PhD. Sponsorship for the summit was provided by Healogenics, Inc., an industry leader in bioinformatics and disease management.

Sentinel studies find new microcurrent generating wound dressing effective in disrupting bacterial biofilms

Procellera® from Vomaris Innovations, Inc., a microcurrent generating wound dressing, has been found to significantly disrupt bacterial biofilms, according to two new published research studies in PLoS ONE and the Journal of Wound Care.

Studies conducted at The Ohio State University (OSU) Wexner Medical Center, and The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc. (HJF) and its Diagnostics and Translational Research Center (DTRC) both confirmed significant anti-biofilm efficacy of Procellera Technology. Bacterial biofilms are complex networks of microorganisms bound together and covered with a slimy protective barrier. They can be found in living tissues, indwelling medical devices, and implants. Biofilm-associated bacteria are extremely resistant to antibiotics and have been implicated in wound infections, resulting in delayed healing, poor clinical outcomes and significant healthcare costs.

In the OSU study, researchers evaluated the effects of Procellera / JumpStart technology to better understand its antimicrobial properties, particularly related to the disruption of Pseudomonas aeruginosa. This bacterial species is often present in chronic wound infections and readily forms biofilm, making it extremely difficult to treat effectively with available antibiotics.

“This work presents clear evidence that this wireless electroceutical dressing disrupts bacterial biofilm,” said Chandan K Sen, Ph.D., Professor of Surgery and Director of the Comprehensive Wound Center at OSU Wexner Medical Center. “Our findings introduce the option of a new affordable technology platform to fight chronic wound infection in which bacterial biofilms are abundant.”

PLoS One study co-authors included Jaideep Banerjee, Piya Das Ghatak, Sashwati Roy, Ph.D., Savita Khanna, Ph.D., Craig Hemann, Jay L Zweier, M.D., and Daniel Wozniak, Ph.D. of The Ohio State University. The study was supported in part by the National Institutes of Health: Grant Numbers GM077185, GM069589 and DOD W81XWH-11-2-0142 to CKS; NIH NR013898 to CKS and DJW; and in part by NIH DK076566 to SR and NIH R01AI097511 to DJW.

Dr. El Sayed joins faculty of Vascular Diseases and Surgery

Hosam El Sayed, MD, PhD, has been appointed as assistant professor of surgery in the Division of Vascular Diseases and Surgery. He joins us from Methodist DeBakey Heart & Vascular Center for The Methodist Hospital, Houston, Texas. Dr. El Sayed earned his medical degree from the University of Cairo in Egypt. He completed a general surgery residency at The Ohio State University and a vascular surgery fellowship at Eastern Virginia Medical School. He has a strong interest in resident and fellow training, previously collaborating in the training interventional cardiology fellows in peripheral endovascular interventions. He has also been actively involved with clinical research and has published multiple peer reviewed articles in the field of vascular and endovascular therapy. Dr. El Sayed is a member of a number of societies including the Society for Vascular Surgery, the Society of Clinical Vascular Surgery, the American College of Surgeons, the American Medical Association, the Peripheral Vascular Surgery Society and the European Society for Vascular Surgery. His research interest includes improved limb salvage techniques, robotic aortic surgery and development of new devices for treatment of aortic diseases. Dr. El Sayed maintains board certification in both General and Vascular Surgery.

Surgery faculty graduate from leadership institute

Congratulations to the following Department of Surgery faculty on graduating the College of Medicine’s Faculty Leadership Institute (FLI): Dr. William Cirocco, professor of surgery; Dr. David Evans, assistant professor; Dr. Sabrena Noria, assistant professor; Dr. Kyle Perry, assistant professor; Dr. Carl Schmidt, associate professor and Dr. Bryan Whitson, assistant professor. The FLI is a 12-month program to enhance leadership skills among the College’s faculty by strengthening engagement and retention, improving collaboration and, ideally, enhancing the delivery of high quality patient care. Dr. Bhagwan Satiani, professor of surgery, Division of Vascular Diseases and Surgery is the FLI course director. Course participants were divided into six teams and assigned a course-long team project. Dr. Christopher Ellison, Distinguished Professor and Interim Dean of the College of Medicine presented certificates to the graduating faculty members.
Faculty News

Promotion and Tenure

The following Department of Surgery faculty have been recommended by the Provost for promotion and/or tenure and reappointment:

- **Renata Fabia, MD, PhD**, promotion to the rank of Associate Professor-Clinical, effective June 5, 2015

- **Michael Go, MD**, promotion to the rank of Associate Professor with the award of Tenure, effective June 5, 2015

- **Larry Jones, MD**, promotion to the rank of Professor-Clinical, effective June 5, 2015, and reappointment effective September 1, 2016

- **Savita Khanna, PhD**, promotion to the rank of Associate Professor with the award of Tenure, effective June 5, 2015

- **Marc Michalsky, MD**, promotion to the rank of Professor-Clinical, effective June 5, 2015, and reappointment effective September 1, 2016

- **Dean Mikami, MD**, award of Tenure at current rank of Associate Professor, effective June 5, 2015

- **Kyle Perry, MD**, promotion to the rank of Associate Professor with the award of Tenure, effective June 5, 2015

- **David Renton, MD**, promotion to the rank of Associate Professor-Clinical, effective June 5, 2015, and reappointment effective September 1, 2016

- **Cameron Rink, PhD**, promotion to the rank of Associate Professor with the award of Tenure, effective June 5, 2015

The following faculty have been recommended for reappointment effective September 1, 2016.

- **Mounir Haurani, MD**

- **Pei-Hui Lin, PhD**

- **Amer Rajab, MD, PhD**
An alumni of OSU’s general surgery residency program, Gary A. Birken, MD is a renowned, highly skilled, fulltime pediatric surgeon. He is also an accomplished fiction writer, having recently completed his fifth novel. Dr. Birken is Surgeon-In-Chief and Chief of Pediatric Trauma, and Vice Chief of Staff at Joe DiMaggio Children’s Hospital and Memorial Healthcare System in Hollywood, Florida, near Miami.

Dr. Birken earned his medical degree at Chicago Medical School. He completed a research fellowship in pediatric surgery and in 1984 a general surgical residency at The Ohio State University Hospitals. He then completed a pediatric surgical fellowship at Columbus Children’s Hospital.

Dr. Birken’s five novels are all set in medical environments. With his writing he strives to entertain as well as educate readers in particular areas of medicine, often using a contemporary issues as the basis for stories of suspense and conspiracy. His latest novel is titled “Code 15”, a term for preventable medical mistakes. The book is the story of Dr. Morgan Connolly, the chief of emergency medicine at Dade Presbyterian Hospital, who is plagued by sudden, seemingly random deaths of family members and patients. As she becomes suspicious that the deaths were not random at all, she begins to uncover a conspiracy that could threaten her own life.

Despite a very busy schedule Dr. Birken makes time to write during weekends and while vacationing. His other novels include “Embolus”, “Plague”, “Final Diagnosis”, and “Error in Judgement.”
Education

Dr. Brathwaite awarded first place for presentation

Shayna Brathwaite, MD, general surgery resident, won first place in the Ohio Valley Society of Colon and Rectal Surgeons annual resident/fellow research presentations. The title of her talk is “Targeting glucose transporters in colon carcinogenesis”.

Dr. Brathwaite’s mentors are Ching-Shih Chen, PhD and Christina Wu, MD. Dr. Brathwaite research is currently supported by Dr. Michael Caligiuri’s NIH T32 Oncology Training Grant.

26th Annual Columbus Surgical Society Presidential Symposium

The 26th Annual Columbus Surgical Society Presidential Symposium was held on Saturday, February 28th. Eleven of the 14 abstracts selected for presentation were submitted by OSU residents and fellows, and of those 3 out of 4 were selected for awards:

26th Annual Presidential Symposium Abstract Winners

- Bronze – “Accuracy of Radiographic Estimation of Small Bowel Dimensions in Pediatric Patients with Short Bowel Syndrome” – Daniel Lodwick, MD, general surgery resident

- Silver – “Appendicitis in the Age of Frequent Hospital Transfers” – Daniel Leberer, MD (Riverside)

- Gold – “Initial Surgical Experience with Gene Expression Classification of Thyroid Nodules” – Neil Saunders, MD, surgical oncology fellow

Congratulations to general surgery residents Eliza Beal, MD (mentors Sylvester Black, MD, PhD and Carl Schmidt, MD), Christopher McQuinn, MD (mentors Greg Lesinski, PhD and Mark Bloomston, MD), Ekene Onwuka, MD (mentor Christopher Breuer, MD), and Taehwan Yoo, MD (mentors Cameron Rink, PhD and Mounir Haurani, MD) on each being awarded an NIH/NIAID Advance Training in Immunology for Surgery Trainees (ARTIST) T-32 grant. The awarding of these prestigious grants demonstrates the quality and diversity of Ohio State’s surgical trainees. Trainees selected for the program receive NIH Postdoctoral Fellow Stipend & Benefits including training expenses, tuition and course fees, and travel funds.

Ginny L. Bumgardner, MD, PhD, COM associate dean for Research Education, professor of surgery and DOS Research Training Program director is the grant awardee.

The goal of the ARTIST program is to train and inspire a unique cadre of surgeon-scientists to translate astute observations at the bedside, in the operating room, and in the clinic into novel hypotheses that can be interrogated through immunology-focused translational research. Ultimately these surgeon-scientist research programs will accelerate the movement of discoveries in Immunology for development of immune-based diagnostics, prognostics and/or therapeutics. “The thematic areas of research supported by this T32 are relevant to surgeons who work with tissues daily in the operating room and who are uniquely qualified to identify the important surgical problems and potential solutions when tissues are insufficient or damaged through disease or surgery,” explains Dr. Bumgardner. These research areas include: immune mechanisms of tissue injury, immune mechanisms of tissue repair & regeneration, and applied immunology: diagnostic/prognostic biomarkers or immunotherapeutics.
Recognitions

J. Kevin Bailey, MD, associate professor of surgery, Division of Trauma, Critical Care and Burn, has been appointed to the Scientific Staff of Shriner’s Hospital for Children, Cincinnati, Ohio.

Gail Besner, MD, professor of surgery and chief of Pediatric Surgery reports that the pediatric surgery residency program has received the status of “Continued Accreditation” by the ACGME during the recently concluded annual review. The Surgery Residency Review Committee commended the NCH program “for its demonstrated substantial compliance with the ACGME’s Program Requirements and/or Institutional Requirements without any new citations.”

David Evans, MD, assistant professor of surgery, Division of Trauma, Critical Care and Burn, has been named Chair-Elect, Research Section, for the American Society for Parenteral and Enteral Nutrition (A.S.P.E.N.). The Chair-Elect term is 2015-2017 followed by Chair from 2017-2019.

Dr. Evans’ talk at the Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo (FNCE) was the featured highlight session of the meeting in Today’s Dietitian “The Best Highlights of FNCE” December 2014 Issue. By Densie Webb, PhD, RD. Vol. 16 No. 12 P. 10.


Alan E. Harzman, MD, has been chosen as the recipient of the 2015 Leonard Tow Humanism in Medicine Award presented by The Arnold P. Gold Foundation. This award recognizes Dr. Harzman’s compassion in the delivery of care to patients and their family members. The award will be presented at the Gold Humanism Honor Society induction ceremony on Thursday, February 26, 2015 in the Blackwell Ballroom on the campus of The Ohio State University. Dr. Harzman is assistant professor of clinical surgery in the Division of Colorectal Surgery and the General Surgery Residency Program director and the Clerkship Director. Learn more about The Arnold P. Gold Foundation by visiting http://humanism-in-medicine.org/

Mounir J. Haurani, MD, assistant professor of surgery, Division of Vascular Diseases and Surgery, was appointed an Ad Hoc reviewer for Annals of Vascular Surgery, March 2015.

Dr. Haurani was also in The Ohio State University Wexner Medical Center Attending Physician Top 25% Patient Satisfaction Communicating Test Results for the first six months of fiscal year 2015

Zhiwei Hu, PhD, assistant professor of surgery, Division of Surgical Oncology, co-authored two articles that have been recently accepted for publications in Carcinogenesis. These papers are part of the Halifax Project. More information about the Project can be found by visiting: http://www.gettingtoknowcancer.org/taskforce_environment.php

David Lindsey, MD, associate professor of surgery, Division of Trauma, Critical Care and Burn, has been selected for induction into Alpha Omega Alpha. Each year, the Gamma chapter of Alpha Omega Alpha at the Ohio State University College of Medicine accepts nominations from current students for house staff, faculty, and alumni to be elected to the chapter membership. Dr. Lindsey was honored for his achievements and contribution to the college of medicine at the Alpha Omega Alpha Spring Banquet, held April 23 at the Ohio Union.

continued on page 15
Bhagwan Satiani, MD, MBA, professor of surgery, Division of Vascular Diseases and Surgery, has been appointed to the board of the Ohio Commission on Minority Health. The Commission distributes grants from available funds to community based health groups for the purpose of health promotion and disease prevention among members of minority groups. The diseases and conditions on which the Commission focuses are: cardiovascular, cancers, diabetes, infant mortality, substance abuse and violence. Dr. Satiani was elected Secretary of the Ohio Minority Health Commission for 2015.

Dr. Satiani was also select to serve on the editorial board of the journal Vascular Specialist for 2015.

Chandan Sen, PhD, professor of surgery and vice chair of research in the Department of Surgery has been selected to receive the 2015 Lumley Interdisciplinary Research Award by the OSU College of Engineering in recognition of his outstanding contributions. The award was presented at the College’s 18th annual Distinguished Faculty Awards held April 23 in the Blackwell Ballroom. Heather Powell, PhD, assistant professor in the Department of Biomedical Engineering was also selected for the Lumley Award. Drs. Powell and Sen are both members of the faculty of the Center for Regenerative Medicine and Cell Based Therapies, of which Dr. Sen serves as director.

In the news

Doreen Agnese, MD, associate professor of surgery in the Division of Surgical Oncology is interviewed on her roles as the only known specialty-trained cancer geneticist and surgical oncologist in the United States in the article “Navigating the Complex World Of Breast Cancer Genetics” in General Surgery News, March 2015, Vol 42:03 http://mg.generalsurgerynews.com/Article.aspx?id=In+the+News&d_id=69&i=March+2015&i_id=1154&a_id=30732


Larry Jones, MD, associate professor of surgery and director of the OSU Burn Center was featured in a WBNS 10TV news story on using tissue plasminogen activator (TPA) to treat frost bite. Originally used as a ‘clot bluster’ for heart attack patients, TPA also maintains blood flow in frostbitten extremities, decreasing the possibility for amputation. http://www.10tv.com/content/stories/2015/02/20/columbus-ohio-new-frostbite-treatment-in-columbus-saves-mans-feet.html

Jean Starr, MD, associate professor of surgery in the Division of Vascular Diseases and Surgery appeared on the February 25 WCMH-TV NBC4 program Matters Of The Heart. Dr. Starr discussed vascular disease and treatment options. Viewers with questions about heart and/or vascular disease were able speak with Dr. Starr by calling in during the broadcast.

“Organ Donation: Your Gift, Their Hope” Thursday, April 2, WCMH-TV NBC4

Bryan Whitson, MD, PhD was quoted in the February 2015 issue of ACS Surgery News article “Lungs donated after drowning remain viable.” Dr. Whitson was quoted explaining, “Asphyxiation or drowning as a donor continued on page 16
cause of death should not automatically exclude the organ from transplant consideration.” Dr. Whitson is an assistant professor of surgery in the Division of Cardiac Surgery and co-director of the Collaboration for Organ Perfusion, Protection, Engineering and Regeneration (COPPER) Laboratory. The COPPER Laboratory is dedicated to the development of extended ex-vivo donor organ perfusion that will serve as a platform for organ assessment, repair and modification to further improve transplant outcomes and donor organ utilization. Drs. Ahmet Kilic and Mitchell Henry also appeared on the program.

ERRATA
In the February 2015 issue of Surgery Today Kyle A. Perry, MD, assistant professor of surgery, Division of General and Gastrointestinal Surgery achieved board certification by the National Board of Physician Nutrition Specialists”). This certification was actually presented to David C. Evans, MD

Grants

Gail E. Besner, MD, professor and chief of the Division of Pediatric Surgery, has been awarded a new NIH grant starting on January 12, 2015. This will mark 21 years of continuous funding from the NIH for Dr. Besner. The new grant is titled: “Exosomes and HB-EGF in Stem Cell-Mediated Therapy for Necrotizing Enterocolitis.” National Institutes of Health Grant # 1 R01 GM113236, PI: Gail E. Besner, funding period: January 12, 2015 – December 31, 2018, amount: $1,136,200

“I received my first grant from the NIH in 1995 and have had continuous NIH funding ever since. I have always held between 2 and 3 R01 grants at a time. After being hired in 1991, I received funding from a Bremer Foundation Research Grant, an OSU Seed Grant, an OSU DOS Medical Research and Development Fund Grant, an OSU Davis Medical Research Grant, and Columbus Children’s Hospital Research Foundation Grants. I consider my early funding from OSU to have been instrumental in my eventual funding success from the NIH,” explained Dr. Besner

Christopher Breuer, MD, professor, Division of Pediatric Surgery, has been awarded two new R01 grants.


The primary goals of this proposal are to evaluate methods for optimizing tissue engineered vascular graft performance in a low pressure high flow circulation by optimizing cell seeding, scaffold design, and pharmacological modulation of host macrophage function.

2. “Computational Model Driven Design of Tissue Engineered Vascular Grafts.” 1R01HL128602-01, PI: Christopher Breuer, funding period: July 1, 2015 – June 30, 2019, total direct support: $1,305,347, total support $2,046,598

The primary goal of this proposal is to use computational modeling to rationally design an improved tissue engineered vascular graft for use in the arterial circulation.

David C. Evans, MD, assistant professor, Division of Trauma, Critical Care and Burn has been awarded to following grants:


2. NHLBI Prevention and Early Treatment of Acute Lung Injury (PETAL) Network—Ohio Consortium Clinical Center Site. NIH 1U01HL123023-01 Research Project, Terndrup TE (co-PI), Ali NA (co-PI), Evans DC (sub-I).

Edward L. Jones, MD, MS, clinical assistant professor of surgery and advanced therapeutic endoscopy fellow, received a SAGES (Society of American Gastrointestinal and Endoscopic Surgeons) research grant for 2015 in the amount of $29,940. This award was made possible through a grant from SAGES. Awardees are required to submit an abstract to the SGAES Scientific Session and to submit a manuscript on the investigation and its findings to the journal “Surgical Endoscopy”. Research grant winners will be announced during the SAGES Foundation Awards Lunch during the Annual Meeting scheduled for Wednesday, April 15, 2015. Dr. Jones will receive the finding following the SAGES Annual Meeting. Dr. Jones has also been selected to receive the SAGES 2015 Researcher in Training award, which includes a $1,000 grant.

Lawrence A. Shirley, MD, assistant professor, Division of Surgical Oncology has been awarded funding by the Richard P. & Marie R. Bremer Medical Research Fund and William H. Davis Endowment for Basic Medical Research through The Ohio State University Center for Clinical & Translational Science (CCTS) Pilot Program and The Ohio State University College of Medicine Office of Research. Dr. Shirley’s study “Determining the Role of Novel Therapeutic Target continued on page 17
Integrin-Linked Kinase in Tumor Growth and Metastasis of Aggressive Thyroid Cancers” will receive the amount of $50,000 for the period of June 1, 2015 through May 31, 2016. The Bremer Medical Research Fund provides support for physician-scientists early in their academic careers to work within new multidisciplinary research groups to address integrated solutions to complex clinical and translational problems.

Bryan A. Whitson, MD, PhD, assistant professor, Division of Cardiac Surgery, was awarded of a Thoracic Surgery Foundation for Research and Education (TSFRE) Research Grant for his investigation entitled “M53 Mitigation of Ischemia-Reperfusion Injury in Lung Transplantation: Mechanisms of action in Ex-Vivo Lung Perfusion.” Dr. Whitson is co-director of Ohio State’s Collaboration for Organ Perfusion, Protection, Engineering and Regeneration (COPPER) Laboratory. Dr. Whitson provides excellence in clinical care to his heart and lung transplant patients while maintaining a robust research effort. To learn more about the COPPER Lab please visit http://surgery.osu.edu/copper/

Publications


Pollock, RE: Contemporary issues in soft tissue sarcoma. Fondazione IRCCS Istituto Nazionale Dei Tumore (NCI). Milan, Italy. February 16-17, 2015


Rink C. Prosthesis Design and Residual Limb Health. Pre-Conference Workshop on Chronic Wound Care, Kolkata, India, January 17, 2015

Rink C. Tocotrienol Vitamin E Induces Arteriogenesis and Protects Against Ischemic Stroke Brain Injury. H3C Health Sciences Innovation Conference, Mumbai, India, January 17, 2015

Rink C. Session Chair for track titled Tocotrienol Vitamin E. H3C Health Sciences Innovation Conference, Mumbai, India, January 17, 2015

Rink C. Discussant for track titled Vitamin E Supplements. H3C Health Sciences Innovation Conference, Mumbai, India, January 17, 2015


Abstracts


International Presentations

National Presentations

Beal, EW; Bennett, SC; Jaik, NP; Phillips, GS; Black, SM; Pesavento, TE; Higgins, RSD; Whitson, BA. Impact of Cardiac Intervention on Graft and Overall Survival In Abdominal Transplant Recipients. Presented to the Academic Surgical Congress, Las Vegas, NV, February 3-5, 2015. Abstract to be published in Journal of Surgical Research.


Masterson LL, Vaccaro PS, Go MR. Axillary Femoral Bypass May Provide Inadequate Distal Perfusion Compared to In-Line Large Diameter Aortic Reconstruction presented at Vascular Endovascular Surgical Society meeting, Vail CO, January 29, 2015 – February 1, 2015.


Pollock RE: Contemporary issues in soft tissue sarcoma. University of New Mexico, Department of Surgery Grand Rounds. Albuquerque, NM, February 27, 2015.


continued on page 20

Local Presentations

Bailey JK. Judge, Denman Undergraduate Research Forum, Ohio State University, Recreation and Physical Activity Center, Columbus, OH, March 25, 2015

Bailey JK. Burns for Dummies: Pitfalls, Controversies and Consensus, presentation to SICU staff, The Ohio State University Wexner Medical Center, Columbus, OH, January 27, 2015

Bailey JK. ICU Issues for Burns, presentation to Division of Neurocritical Care and Stroke, The Ohio State University Wexner Medical Center, Columbus, OH, February 25, 2015

Bailey JK. Burn Cases: Let’s Set the Bar High!, presented at the 2015 ITLS Ohio Emergency Care Conference, Columbus, OH, February 28, 2015

Bigley A. Burns Seldom Seen, presentation to Knox Community Hospital, EMS, providers and nursing staff of Knox Community Hospital and EMS catchment area, Mt. Vernon, OH, March 17, 2015

Coffey R. Initial Management of the Burn Patient. Violet Township Fire Department, Pickerington, OH, February 25, 2015

Coffey R. Initial Management of the Burn Patient. Trauma Tactics. The Ohio State University Wexner Medical Center, Columbus, OH, February 24, 2015

Coffey R. Initial Management of the Burn Patient. Trauma Tactics. The Ohio State University Wexner Medical Center, Columbus, OH, March 24, 2015

Coffey R. Initial Management of the Burn Patient. Trauma Tactics. Doctors Hospital, Columbus, OH, March 27, 2015

Evans DC. Protein Requirements and Novel Lipids. Speaker, Nutrition Support Rounds, Columbus, OH, January 5, 2015

Evans DC. Resuscitation of the Bleeding Patient--Massive Transfusion Protocols and Other Treatments. Marietta Memorial Hospital, Marietta OH. February 26, 2015

Evans DC. Parenteral Nutrition: Pitfalls, Challenges and Opportunities. Invited speaker, Ohio Society for Parenteral and Enteral Nutrition Dinner with the Expert Series, Toledo, OH, March 5, 2015

Evans DC. Trauma Case Review. Invited speaker, Air Evac Lifeteam 101 and Basil Township Fire, Baltimore, OH, March 18, 2015


Go MR. Statistics for the Vascular Surgeon. The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus, OH, March 16, 2015

Go MR. Peripheral Artery Disease. The Ohio State University Wexner Medical Center, University East Hospital, Grand Rounds, Columbus, OH, January 16, 2015

Haurani MJ. Vascular Diseases. The Ohio State University Wexner Medical Center, Department of Surgery, Med III Small Group Lecture, Columbus, OH, January 20, 2015

Masterson L, Go MR, Veerman B, Satiani B. Inaccurate coding of non-invasive tests may call into question clinical and policy recommendations based on administrative databases. Columbus Surgical Society, Columbus, OH, February 28, 2015

Oriowo B. Peptide Growth Factors. The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus, OH, February 16, 2015

Pollock RE. Contemporary perspectives in leiomyosarcoma research. National Leiomyosarcoma Foundation. Columbus, OH, April 24, 2015

Pollock RE. Contemporary issues in soft tissue sarcoma. University of Cincinnati, Department of Surgery Grand Rounds. Cincinnati, OH, April 29, 2015

Ryan CP, Mouawad NJ, Vaccaro PS, Go MR. First rib resection effectively treats venous thoracic outlet syndrome with or without preoperative thrombolysis and also improves symptoms in cases of venous congestion without deep venous

continued on page 21
thrombosis. Columbus Surgical Society, Columbus, OH, February 28, 2015

Starr, JE Peripheral Vascular Disease. The Ohio State University Wexner Medical Center, Family Medicine Grand Rounds, Columbus, OH, January 7, 2015

Starr, JE. Vascular Diseases. The Ohio State University Wexner Medical Center, Department of Surgery, Med III Small Group Lecture, Columbus, OH, January 20, 2015

Starr, JE. Peripheral Arterial Disease. The Ohio State University Wexner Medical Center, Department of Surgery, Basic Science Conference, Columbus, OH, February 12, 2015

Starr JE. Endovascular AAA repair. American Surgical Technologist Conference, Columbus, OH, March 7, 2015

Satiani, B. Chronic venous insufficiency evaluation. The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus, OH, February 9, 2015

Satiani B. Seminar in Practice Management: Prioritizing Use of Insurances: Life, Disability, and Health. The Ohio State University Wexner Medical Center, Columbus, OH, April 16, 2015

Strosberg DS, Henry JC, Corbey T, Masterson L, Starr JE. Perioperative antiplatelet therapy and surgical outcomes in emergent and major elective general surgical thoracic and vascular procedures. Columbus Surgical Society, Columbus, OH, February 28, 2015

Vaccaro, P. Vascular (Aortic & Cerebral Arterial) Diseases. The Ohio State University Wexner Medical Center, Department of Surgery, Professor Conference, Columbus, OH, February 19, 2015

Vaccaro PS. Ethics. The Ohio State University Wexner Medical Center, Department of Surgery, Professor Conference, Columbus OH, March 26, 2015

Outreach

Wedgewood Golf Course will host the annual burn run this year July 31, 2015. A portion of the proceeds will be donated to the Burn Fund.

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**Guest Professors**

Cabiling D. Lower Extremity Flaps for Management of Challenging Lower Extremity Wounds. The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus, OH, March 2, 2015

DeRubertis B. New use of drug coated balloon therapy for PAD”. The Ohio State University Wexner Medical Center, Mid Ohio Endo Club Meeting, Columbus, OH, March 5, 2015

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**Miscellaneous**


Evans DC. Participant in interviews that form the basis of “A Schwartz Center for Compassionate Healthcare White Paper”. Boston, MA. March 2015.


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Comments may be adressed to Dennis Mathias, publication editor E-mail: dennis.mathias@osumc.edu

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