News of the Buckeye’s football championship victory reached across the world to Mumbai, India. Celebrating at the H3C Conference in Mumbai are (left to right) Dr. Michael Drake, president of The Ohio State University; Dr. Chandan Sen, professor of surgery and vice chair of research; Ratnesh Bhattacharya, director of the OSU India Gateway; and Brent Toto, administrative director of the Center for Regenerative Medicine and Cell-Based Technologies. Learn more about this international collaboration beginning on page 2

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Plus more
INTERNATIONAL COLLABORATION

Dr. Sen co-chairs India conference

On January 15-17, 2015, Ohio State’s Office of International Affairs and Wexner Medical Center, as well as many other business and industry partners, hosted the H3C Health Sciences Innovation Conference and Trade Show in Mumbai, India. The conference focus was on building global partnerships in order to share innovative and life-saving medical research, explore new funding opportunities and recruit international students.

The Ohio State University president Dr. Michael Drake participated in the conference, along with Ohio State colleagues in the health sciences and other international experts in medicine and science. Conference co-chairs were Dr. Chandan K. Sen, professor of surgery and associate dean in the College of Medicine; and Dr. William Brustein, vice provost for Global Strategies and International Affairs in the Office of Academic Affairs. The OSU Global Gateway office in Mumbai, India, directed by Ratnesh Bhattacharya, provide logistical support for the event. OSU Surgery faculty in attendance included Drs. Gail Besner, Christopher Breuer, Savita Khanna, Raphael Pollock, Cameron Rink, and Sashwati Roy and Plastic Surgery faculty Drs. David Dean and Gayle Gordillo.

The conference was sold-out with attendance exceeding capacity. The three-day event hosted forty sessions, over 25 industry sponsors, and more than 100 speakers. From over 200 submissions, over 110 abstracts were selected for

See India continued on page 3

OSU president Dr. Michael Drake (left) addresses the audience
India (continued from page 2)

poster presentation. The conference was held at the historic Taj Palace Hotel, the country’s first Indian-owned five-star hotel. The Conference title, H3C, refers to Health Care, Careers and Commerce. Presenting these three aspects together “is a very powerful thing,” said Dr. Sen.

“Opening of the main H3C conference by Indian Health Minister Hon’ble J.P. Nadda escalated the event to national prominence. The Health Minister invited our partnership and assured government resources,” wrote Dr. Sen. “The presence of president Dr. Michael Drake made a critical difference with

See India continued on page 4
India (continued from page 3)

the highest level of leadership representation and the presence of the highest ranking U.S. government official in Mumbai, Consulate-General Thomas Vajda, demonstrated clear commitment of both governments to support the proposed co-operation between OSU and India.”

In the week following the H3C Conference, President of the United States Barack Obama visited India as the official “chief guest” at India’s Republic Day parade. President Obama is the first U.S. president to attend this event, signaling a growing partnership between India and the United States. During his visit the president pledged $4 billion in investments and loans, calling the partnership between the U.S. and India “uptapped potential.”

Pre-conference meetings were held in the cities of Kolkata and Delhi. “The pre-conferences were instrumental in forging new wound care partnerships with the Peerless hospital in Kolkata, which is now committed to developing a chronic wound care facility. This opens up new opportunities for business for our visiting industry leaders,” explained Dr. Sen. In the city of Delhi Dr. Sen was honored as the inaugurator of the first National Facility for Regenerative Medicine, established under the framework of the All India Institute of Medical Sciences (AIIMS), India’s premier institution for health care and research.

Dr. Chardan Sen, (center) unveils a plaque commemorating him as the inaugurator of the first National Facility for Regenerative Medicine in India

If you are interested in learning more about the conference please contact Brent.Toto@osumc.edu
RESEARCH

Pelotonia funded project creates patented surgical guidance system

“It’s like a GPS for surgeons,” is how Dr. Edward Martin, Jr. describes a patented imaging system being developed at Ohio State. “This system will remove all guesswork,” explains Martin. He is referring to a novel guidance system that pinpoints target locations with a very high degree of precision, allowing surgeons to see where a tumor ends and healthy tissue begins. Funds from a two-year, $50,000 per year, Pelotonia Idea Grant are supporting the initial development of the system.

The proposed system will utilize pre-operative imaging that is processed by the guidance system’s software to construct a three-dimensional topographic map of the surgical site that is specific for each patient. During an operation the patient’s vein is injected with a dye that contains a cancer-targeting peptide attached to a fluorescent molecule. A host computer connected to an intra-operative fluorescent camera combines the targeting dye signal with the topographic map and projects the result to a Google Glass worn by the surgeon. Looking through the eyepiece the surgeon will be able to see the exact location and margins of a tumor. Additional cameras and fiducial marks permit the surgeon to view the location of surgical instruments relative to the tumor. Thus, the surgeon will see a true 360 degree, 3-D image. The Google Glass projection is in real time and adjusts to the patient’s respiration and positioning.

“The system will improve surgical outcomes and patient care quality by reducing reoperation due to residual cancer tissue left behind,” explains principle investigator Dr. Alper Yilmaz. An additional benefit of this system is the reduction of radiation exposure in clinicians and imaging technicians. “Our goal is to completely eliminate the use of radiation for imaging,” said Dr. Martin. Surgeons will also be able to receive intra-operative feedback via visual, haptic or tactile, and audio signals.

This technology is the result of an international and inter-college collaboration led at The Ohio State University by Alper Yilmaz, PhD, associate professor, Department of Civil, Environmental and Geodetic Engineering; Edward Martin, Jr., MD, professor of surgery, Division of Surgical Oncology; and Ronald Xu, PhD, associate professor of Biomedical Engineering. Other OSU collaborators include: Charles Hitchcock, MD, PhD, associate professor,

See Patent continued on page 6
Patent (continued from page 6)

Pathology; Enver Ozer, MD, associate professor, Otolaryngology; Stephen Povoski, MD, associate professor of surgery, Surgical Oncology; and Michael Tweedle, PhD, professor, Radiology. Drs. Martin and Yilmaz, with the assistance of the OSU Technology Commercialization Office, have applied for a full U.S. patent of this technology.

Dr. Alper Yilmaz (left) and Dr. Edward Martin, Jr., with a functioning model of the guidance system

Dr. Yilmaz created the 3-D modeling and orientation algorithms that are utilized in the surgical guidance system. The technology was originally conceived to achieve greater efficiencies in the construction industry and also as a targeting system for the U.S. Department of Defense and NASA. A meeting with Dr. Ronald Xu led Dr. Yilmaz to explore medical uses. Dr. Yilmaz’s research interests includes computational models for the understanding of 2-D and 3-D visual information.

See Patent continued on page 7
An initial system prototype based on a murine model is nearing completion. Drs. Martin and Yilmaz and their team are currently investigating guidance algorithms for the precise delivery of epidural pain management and for forearm venous access procedures for which accurate injection is critical, such as adjuvant chemotherapy.

Rendering of the guidance system utilizing Google Glass for the delivery of pain management
QUALITY AND PATIENT SAFETY

Measuring surgical costs and quality

The Ohio State University Wexner Medical Center has a proven record of advancing quality of care. However, in today’s healthcare marketplace, we need to develop additional tools to help us maintain the highest level of quality while addressing the challenges of cost reduction.

Michelle C. Nguyen, MD, general surgery resident, has worked to develop the tools to analyze the impact of surgical costs on quality of care and patient outcomes. Her efforts recently received national recognition when she was honored with a 2014 Association of American Medical Colleges (AAMC) Learning Health System Pioneer Research Award. Only five such awards were given nationally (see story on page 17). Dr. Nguyen’s project is part of her work toward a Master of Public Health degree.

Quality Measures

Quality and outcome measures for surgery have already demonstrated their value. Recent emphasis has been placed on the measurement of surgeon-specific and procedure-specific performance related to treatment quality and patient outcomes. Through the advancement of standardized metrics, we have increased our ability to compare and analyze performance, identify best practices, and implement on a broader scale the practices that positively impact care. As a result, better quality care is received by a larger number of patients.

Dr. Nguyen and her faculty adviser Susan Moffatt-Bruce, MD, PhD, chief Quality & Patient Safety Officer and associate dean of Clinical Affairs and Quality & Patient Safety, utilized the Clinical Skills Center simulation lab to measure neurocognitive stress responses of trainees during simulated medical crises. They developed crisis checklists and measured responses with and without the lists. The checklists may become available in the operating room, or even projected to Google Glass worn by physicians, to improve stress responses during emergency situations. “The stress responses could also be used to optimize surgical team composition by creating the best team for individual procedures,” said Dr. Moffatt-Bruce.

There’s evidence that quality improvement efforts are paying off. In October 2014, Ohio State’s Wexner Medical was ranked third among 104 academic medical centers by the University HealthSystem Consortium (only NYU Langone Medical Center and Mayo Clinic Hospital – Rochester ranked higher). Ohio State was one of only 12 medical centers of the 104 evaluated to receive a Quality Leadership award based on quality, safety, efficiency and patient-centered care.

See Quality continued on page 9
Factoring in Costs
While the quality and outcome measurements we employ now are good, they could be made even better. At a time when we are being asked to lower costs in all areas, it’s important to understand the impact cost-saving measures might have on quality and outcomes.

“These metrics do not address the issue of reducing cost. Currently, there is no standard methodology to establish variations in surgeon cost and the intended impact on patient outcomes,” explains Dr. Nguyen. Her project set out to establish that methodology. “Our institution has demonstrated tremendous potential impact within the Department of Surgery through our preliminary initiative at calculating surgeon cost. We have collaborated with both internal and external resources to establish an intelligent platform that can extract data from our existing electronic medical record to provide an integrated operation profile for review of detailed patient variables, surgeon practices and costs,” says Dr. Nguyen.

Her program examines comparisons of a full range of cost, quality and utilization measures. These will be analyzed for variation among surgeons and their related outcomes via existing databases (National Surgical Quality Improvement Program (NSQIP) and Society of Thoracic Surgeons (STS)).

“The goal is to develop a real-time reporting system targeting cost initiatives, while also tracking outcomes. This will introduce opportunities for health system improvement by identifying what processes to scale and which to reduce,” says Dr. Nguyen.

Model for Others
“If this database proves successful at defining metrics, providing simple data extraction and transformation, we will be able to expand and focus not only to surgeons but to other healthcare providers within other departments,” Dr. Nguyen adds. It’s anticipated this new level of information will yield collaborative initiatives among multidisciplinary providers with an end goal of process improvement and cost reduction across the health system.

(continued from page 9)

Quality

“Our institution has demonstrated tremendous potential impact...”
Endovascular aortic repair shortens hospital stay

Traditionally, the surgical repair of abdominal aortic aneurysms required a major, open procedure. Vascular surgeons at Ohio State’s Wexner Medical Center are now able to offer a safer, minimally invasive treatment with shorter hospital stays, according to Mounir Haurani, MD, assistant professor, Division of Vascular Diseases and Surgery. Dr. Haurani is the director of the Division’s fenestrated aortic endograft program. “We are one of a handful of sites in Ohio that perform this procedure and have one of the largest patient volumes in the state, and largest in Central Ohio,” explained Dr. Haurani.

Fenestrated aortic endografts are implanted percutaneously and typically do not require ICU admission. “The patient’s stay is much shorter, two days for an endograft versus one week for open surgery,” explained Dr. Haurani. This endovascular procedure may also be an option for patients who are elderly or a high-risk, and therefore not eligible for traditional open surgery, thus increasing patient eligibility. Endovascular surgery has lower mortality and morbidity rates than open surgery.

Aortic aneurysms are a life-threatening disease caused by the weakening of the aortic wall which then balloons under pressure forming the aneurysm. In the 1990s stent grafts were a treatment option, however they could not be placed in aneurysms near or involving the renal arteries. Fenestrated aortic endografts are custom-made per patient using 3D imaging so that fenestrations, or holes, align with the arteries that branch off from the aorta, permitting more complex aortic repairs. Producing a patient-specific fenestrated aortic endograft takes four to six weeks. The next generation of fenestrated endografts are in development with the goal of creating an off-the-shelf graft that accommodates a wider range of anatomy.

At The Ohio State University Wexner Medical Center endovascular aortic repairs are performed by Dr. Haurani, Dr. Barry George, Dr. Michael Go, and Dr. Jean Starr.
MINIMALLY INVASIVE SURGERY

OSU partners with “Get Well Sooner” campaign

Raising awareness among patients about the benefits of MIS and promoting the adoption of MIS techniques among health care providers is the goal of a partnership between The OSU Center for Minimally Invasive Surgery and the Society of American Gastrointestinal and Endoscopic Surgeons (SAGES).

SAGES has launched the “Get Well Sooner” campaign, an educational health initiative aimed at improving the overall value of patient care through enhanced adoption and access to minimally invasive surgical and endoscopic techniques. Jeffrey Hazey, MD, interim chief of the Division of General and Gastrointestinal Surgery, is featured in the “Get Well Sooner” public service announcement videos.

The campaign includes a brochure and press release, social media, and e-mail messages. In addition, TV spots about the “Get Well Sooner” program and the benefits of minimally invasive surgery aired for two weeks commencing the week of November 24th. A national airing took place during primetime on CNBC. Regional commercial airings also took place in the top 100 designated market areas, the geographic areas in the United States in which local television viewing is measured by The Nielsen Company. A six-minute segment aired as part of the award-winning “Breakthroughs” series hosted by Martin Sheen on public television affiliates nationwide.

The goals of our education initiative are to: increase adoption rate in safe and effective MIS procedures; increase awareness among referring physicians of minimally invasive therapeutic options; and enlighten and educate the public about benefits of MIS, what happens during a minimally invasive procedure, common MIS procedures and additional resources such as SAGES patient brochures.
LEADERSHIP

Dr. Ellison named interim dean

E. Christopher Ellison, MD, has been appointed as interim dean of the College of Medicine. His appointment was effective November 15.

Dr. Ellison has a long and distinguished career as a clinician, educator, researcher and senior leader at The Ohio State University College of Medicine and the Wexner Medical Center. He currently serves as senior associate vice president for Health Sciences, CEO of the Faculty Group Practice and vice dean of clinical affairs in the College of Medicine and will remain in these roles while also serving as interim dean.

Dr. Ellison received his undergraduate degree from the University of Wisconsin and his medical degree from the Medical College of Wisconsin. He completed his training in general surgery at The Ohio State University and joined the faculty in 1993. He served as the Robert M. Zollinger Chair of Surgery for 13 years and then became CEO of the Faculty Group Practice.

A highly respected physician-scientist, Dr. Ellison has been named a College of Medicine Distinguished Professor and Professor of the Year, and is consistently included on the “Best Doctors in America” list. He continues to practice general surgery, and his research and clinical interests include pancreatic disease, hepatic cancer, wound healing and Zollinger-Ellison Syndrome.

His work has been published in more than 140 peer-reviewed articles, and he is co-author, with Robert M. Zollinger Jr., of Zollinger’s Atlas of Surgical Operations, 9th Edition, published in 2010. In addition, he serves on the editorial board of the American Journal of Surgery and as a deputy editor for the Journal of the American College of Surgeons. He is also an invited reviewer for Journal of Obstetrics and Gynecology, Archives of Surgery and Annals of Surgery.

Dr. Ellison has served in leadership roles with many local and national medical organizations, including as past president of the Central Surgical Association, chair of the American Board of Surgery, chair of the Advisory Council for General Surgery and Advisory Councils for the Surgical Specialties of the American College of Surgeons and secretary for the American Surgical Association. He is the current president of the James IV Association of Surgeons.
NEW FACULTY

Amy Rushing, MD

Amy Page Rushing, MD, FACS, has been appointed as assistant professor of surgery in the Division of Trauma, Critical Care and Burn. She earned her medical degree from Eastern Virginia Medical School. Dr. Rushing completed her general surgery residency at the Eastern Virginia Medical School, completed the surgical critical care fellowship at University of Maryland Medical Center and completed her acute care surgery fellowship at Johns Hopkins University School of Medicine, where she stayed on as a faculty member for 2 years. She is coming to The Ohio State University Wexner Medical Center from Wellspan Medical Group. Dr. Rushing is a recent recipient of the Silver Scalpel Award for Clinical and Academic Teaching. She will be assuming a leadership position in Ohio State University Wexner Medical Center’s Acute Care Surgery Program.

Gregory Rushing, MD, MS

Gregory D. Rushing, MD, MS, has been appointed as assistant professor of surgery in the Division of Cardiac Surgery. He earned his medical degree from University of South Florida College of Medicine and has been in practice for 2 years, most recently at the Wellspan Medical Group. Dr. Rushing completed a general surgery residency at Eastern Virginia Medical School, a cardiothoracic residency at The Johns Hopkins Hospital, and an aortic fellowship at The Cleveland Clinic. He also earned a Master of Science degree in microbiology at the University of South Florida. He specializes in adult cardiac and thoracic surgery and diseases of the aorta.

Dr. Vermilion retires

Blair Vermilion, MD, associate professor, has retired after more than 25 years of service to The Ohio State University Department of Surgery. A graduate of the OSU College of Medicine, Dr. Vermilion specialized in vascular surgery. In addition to his clinical practice with the Division of Vascular Diseases and Surgery, he also served as medical director of utilization management for the Wexner Medical Center. In his spare time Dr. Vermilion is an accomplished pianist and could be found entertaining patients and their families on the piano in the Ross Heart Hospital lobby. ♦
NATIONAL MEETINGS

OSU Surgery presentations at the ACS

The OSU Department of Surgery had a very robust presence at the American College of Surgeons 100th Clinical Congress 2014, San Francisco, CA, October 28, 2014. Below is a list of faculty presentations:

• Besner GE. Co-Moderator: At the Tipping Point: A Decade of High-Impact Research from Jacobson Promising Investigator Awardees
• Ellison EC. Moderator: Excelsior Surgical Society/Churchill Lecture by Dr. Norm Rich
• Ellison EC. Co-Moderator: 10 Hot Topics in General Surgery
• Harzman A. Moderator, video session: Colon and Rectal Surgery II
• Hazey JW. Flexible Endoscopy for General Surgeons – Dilation, Flexible Endoscopy for General Surgeons Postgraduate Course
• Hazey, JW. Laparoscopic Inguinal Hernia Repair is Superior to Open Repair, Ten Hot Topics in General Surgery
• Meara MP, Hazey J, Perry K. Per Oral Endoscopic Resection of a Benign Esophageal Tumor.
• Moffatt-Bruce, SD, Mekhjian H, McGee J, McAlearney J. What is the Return on Investment for Culture Change at an Academic Medical Center.
• Moss RL. Co-Moderator: Optimal Resources for Children’s Surgical Care: What it Means to Surgeons Who Operate on Children
• Nwomeh BC. Co-Chair: Social Media for Surgeons.
• Pollock R. Moderator: Soft-Tissue Sarcoma: What the General Surgeon Needs to Know”.
• Pollock R. Setting the Stage: Natural History, Staging, Prognosis.
• Ross P. Current Standards for Pulmonary Resection.
• Schmidt C. Meet the Expert Lunch: Gastric Cancer – Current Techniques and Controversies
• Bryan A. Whitson, MD, PhD, was inducted into the ACS as a fellow.

Academic Surgical Congress

In 2014 Department of Surgery faculty and trainees had seven abstracts accepted at the Academic Surgical Congress. An even larger number of abstracts from OSU Surgery personnel will be presented at the 2015

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Academic Surgical Congress held in Las Vegas in February. Below are the 13 abstracts co-authored by OSUWMC Surgery members. (Click abstract title for full text)

- Schwartz JS, Meara MP, Hazey JW, Perry KA. Per Oral Endoscopic Myotomy (POEM) Improves Patient Symptoms and Quality of Life.
- Shirley LA, Swanson B, Frankel W, Bekaii-Saab T, Bloomston M, Chen C. Increased Stromal Integrin-Linked Kinase Expression in IPMN is Associated with Worse Survival.
- Housley BC, Kelly NJ, Baky FJ, Stawicki SP, Evans DC, Jones C. Comorbidity-Polypharmacy Score Predicts Readmission in Older Trauma Patients.
- Bennett SC, Tripathi R, Kilic A, Flores A, Papadimos T, Hayes D, Higgins RSD, Whitson BA. Use of Bicaval Dual-Lumen Cannula Improves Survival to Decannulation in Venovenous ECMO.
- Ademuyiwa AO, Bode CO, Nwomeh BC. Epidemiology of Paediatric Surgery Disorders: Implications for Developing Undergraduate Curriculum.
SURGICAL EDUCATION

Women’s visiting professor lecture series

Department of Surgery chairman Robert Higgins, MD, MSHA announced the Women’s Visiting Professor Lecture series at the November 20th Surgery Grand Rounds. Karyn Butler, MD, professor of surgery and chief of the Division of Surgical Critical Care at the University of Connecticut/Hartford Hospital presented the inaugural lecture “Simulation-Based Training in Critical Care: Does Practice Make Perfect?”

The lecture series has the goal of increasing inclusion and diversity in surgical education and to encourage women and under-represented populations to pursue a career in surgery. The series also honors the memory of Olga Jonasson, MD (1934-2006). Dr. Jonasson served as the Department of Surgery chair at Ohio State from 1987 to 1992 and was the first women in the U.S. to chair an academic surgery department.

Dr. Higgins commented, “We are honored to welcome Dr. Butler as the inaugural Women’s Visiting Professor. Her insightful talk on simulation demonstrated that we have much to learn from women in surgical leadership positions around the country. This was an extraordinary testament to Dr. Jonasson’s legacy as the first woman to hold an academic chair in surgery. I hope that this will be a stimulus to our best and brightest medical students and residents that surgery is a rewarding career.”

Future lecturers include Nancy Ascher, MD, chair of the Department of Surgery at the University of California-San Francisco on March 26th and Donna Caniano, MD, emeritus chief of the OSU Division of Pediatric Surgery and currently ACGME accreditation field representative on June 11th.
SURGICAL EDUCATION

MMSP News

Nguyen selected for AAMC Pioneer Research Award
Michelle Nguyen, MD, general surgery resident, been selected as a recipient of the 2014 Association of American Medical Colleges (AAMC) Learning Health System Pioneer Research Award. Her project proposal was titled “The Cost of Quality: How Do We Calculate Value-Based Care and was co-authored by Dr. Nguyen’s academic advisor Dr. Susan Moffatt-Bruce. A scientific peer review committee selected Pioneer awardees from among the submitted proposals. The reviewers noted that Dr. Nguyen’s proposal indicated a significant amount of program development and they recommended that her proposal be awarded through the Pioneer program. The award includes a $10,000 grant to fund travel in support of peer-to-peer learning opportunities. The OSUWMC was one of only five institutions to receive this award. Dr. Nguyen and Dr. Moffatt-Bruce will join a cohort of four other 2014 Pioneer awardees that seek to build capacity in bridging connections between research, clinical care, and education. Pioneer and Champion winners will meet at the AAMC headquarters in Washington, DC on February 12th for the LHS Research Award kick-off meeting. At this meeting Champion winners will speak about their projects and connect with Pioneer winners who may be interested in a follow-up learning site visit at the Champion winner’s institution. Pioneer awardees will then plan peer-to-peer learning site visits.

Ekene Onwuka, MD, general surgery resident and MMSP candidate has been elected to serve as the Candidate member on the Association for Academic Surgeons (AAS) Global Affairs Committee. This is a two year service position that requires participation in conference calls as well as attendance to at least one national meeting per service year. Dr. Ekene’s term begins February 2015. “At the AAS conference I was motivated to get more involved with the organization. It was a great conference,” said Dr. Onwuka.

Sylvester Osayi, MD, MS general surgery resident, presented his poster “Determination of the Personality Traits Common among Hepato-Pancreato-Biliary Surgeons and Their Relationship to Job Satisfaction” (Osayi S, Yu L, Drosdeck J, Ellison EC, Bloomston M, Schmidt C, Dillhoff M, Weber S, Muscarella P) at the 2014 Fall Celebration of Scholarship held November 19, 2014. The event theme was “Advances in Health Science Education” and was sponsored by The Office of Evaluation, Curricular Research and Development in The Ohio State University College of Medicine. Dr. Osayi’s poster was one of eight selected for presentation. This was an oral presentation.

Dr. Osayi graduated the Master of Medical Science Program in December 2014. Dr. Osayi previously received awards from the Ohio Division of the American College of Surgeons (1st prize) and The Columbus Surgical Society (2nd prize) for his personality research.
EDUCATION OUTREACH

Med students mentor at high school

Several Ohio State University College of Medicine students were joined by Dr. Robert Higgins, professor and chair of the Department of Surgery, to mentor at risk students at Columbus South High School. They visited the school on January 18. The medical students shared their experiences and achievements. Dr. Higgins shared some of the state-of-the-art surgical therapies for cardiac disease.

The South High students were engaged, asking many questions. Many other students requested to attend a future mentoring session. The group is also planning a visit to the OSU Wexner Medical Center.

South High School students with their OSU medical student mentors and Dr. Robert Higgins (far right)
IN BRIEF

In the News


Bonfire Safety

Dr. Larry Jones, associate professor of surgery and director of the OSU Burn Center was interviewed about burn injuries suffered when people use accelerants to light bonfires. The interview aired November 6 on WTTE-TV/28 and WSYX-TV/6 news broadcast.

WTTE-TV/28
WSYX-TV/6 online

Inaugural pediatric trauma meeting held

The first national meeting of the Pediatric Trauma Society (PTS) was held November 14-15, 2014 in Chicago, Illinois. Several Division of Pediatric Surgery faculty members including Dr. Katherine Deans, Dr. Jon Groner, Dr. Brian Kenney, and Dr. Peter Minneci, and residents/fellows including Dr. Laura Boomer, Dr. Justin Mahida, Dr. Jason Nielsen, and Dr. Mehul Raval presented papers or posters. The PTS was established in 2011, organized by leaders in pediatric trauma care, with the mission of improving pediatric trauma outcomes and the goals of leading in care guidelines, education, research and advocacy. The second annual meeting will be held November 6-7 in Scottsdale, Arizona. [http://pediatrictraumasociety.org/meeting/program.cgi](http://pediatrictraumasociety.org/meeting/program.cgi)

Recognitions

Burn Center Re-certified

Dr. Larry Jones, professor of surgery, AEP Foundation Chair in Burn Care, and director of the OSU Burn Center received official notice that the Burn Center program has been re-verified by the American College of Surgeons Committee on Trauma and the American Burn Association for the maximum period of three years. There were no deficiencies and several program strengths noted in the report. A site visit was conducted on September 9-10, 2014. “As the medical director of the Burn Center, I am very proud of our team and the extreme dedication they have for our patients,” said Dr. Jones. “I am also grateful for the strong support each of you has provided to me and the program these past 3.5 years. That dedication and support translates

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into not only this re-verification, but into the highest standard of care our patients receive every day."

The American Burn Association (ABA) Burn Center Verification Committee’s approval enables both the American Burn Association and the American College of Surgeons Committee on Trauma to extend the combined re-verification as an adult burn center. The Ohio State University Wexner Medical Center Burn Unit is committed to excellence in providing quality burn care to its patients.

**Courage to Teach Award**

**Ginny Bumgardner, MD, PhD**, professor of surgery, director of the MMSP, and associate dean of Medicine Administration was inducted into the OSU Courage to Teach membership on Wednesday, October 29, 2014 with the reception and program following. The event was held the Ross Auditorium. A total of 10 physicians were inducted from OSU, Nationwide, Ohio Health and Mt. Carmel. This prestigious group is selected by the OSU College of Medicine to honor faculty members who are dedicated and passionate leaders in medical education. It is part of the College’s Humanism in Medicine initiative and includes all teaching hospitals in the Columbus area.

**Mounir J. Haurani, MD**, assistant professor of surgery, Division of Vascular Diseases and Surgery, was appointed to the membership of the Columbus Medical Association.

**Jones to receive SAGES award**

**Edward L. Jones, MD, MS**, clinical assistant professor of surgery and advanced therapeutic endoscopy fellow, has been selected to receive the SAGES 2015 Researcher in Training award at the upcoming Annual Meeting in held in Nashville, Tennessee on April 15, 2015. This award is designated for a young member of SAGES (Society of American Gastrointestinal and Endoscopic Surgeons) who is currently in a residency or fellowship program and who shows great promise for a career in academic GI/endoscopic practice and the potential for significant contributions to the advancement of minimally invasive or endoscopic surgery. Only one awardee is selected each year from among the more than 140 general surgery fellows within the fellowship council. The award includes a $1,000 grant for the recipient. Congratulations to Dr. Jones.

**Peter Lee, MD, PhD, MPH, MS**, assistant professor of surgery in the Division of Cardiac Surgery, successfully defended his PhD dissertation on December 5, 2014. Dr. Lee will receive his PhD from Brown University, Division of Biology & Medicine, Pathobiology Graduate Program. The title of his dissertation is “Skeletal Muscle Atrophy in Bioengineered Skeletal

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Muscle: A New Model System.” A formal graduation ceremony will be held in May 2015.

Dr. Lee earned his 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’s St. Elizabeth Medical Center, a cardiothoracic surgery residency at UCLA, and a heart/lung transplant & VAD fellowship at Stanford University.

Dr. Lee is board certified by the American Board of Thoracic Surgery and the American Board of Surgery, and is a Fellow of the Aerospace Medical Association. In addition to surgery, he has extensively studied the effects of microgravity on cardiac and skeletal muscle and the cardiovascular system, and has had experiments on NASA’s zero gravity airplane, the space shuttle, and the International Space Station. His clinical interests include heart and lung transplantation, and mechanical circulatory support.

Please join us in congratulating Dr. Peter Lee.

**Benedict C. Nwomeh, MD**, professor of clinical surgery, Division of Pediatric Surgery, completed the College of Medicine Faculty Teaching Scholars Certification Program. The program is offered to faculty who are interested in becoming educational leaders and making education a career focus. Scholars participate in mentored projects and workshops in educational research, scholarship and teaching, and complete a scholarly research project with the ultimate goal of presentation and publication. Members of The Office of Evaluation, Curriculum Research & Development (OECRD) assist FTSP scholars with their research projects. Scholars can identify projects based on their research interests and/or collaborate with Medical Education Research Groups (MERGs) on ongoing research projects. Dr. Nwomeh received his certificate at the College of Medicine 2014 Fall Celebration of Educational Scholarship held November 19. (see photo on page 22)

**David C. Evans, MD**, assistant professor of surgery, Division of Trauma, Critical Care and Burn achieved board certification by the National Board of Physician Nutrition Specialists.

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Patient Satisfaction

Congratulations to these Wexner Medical Center surgical providers who are in the top 10 percent of providers nationally for patient satisfaction. During FY14, all physicians listed received back at least 20 surveys and were at or above the 90th percentile nationally for one or more of the Clinician and Group Consumer Assessment of Healthcare Providers and Systems, outpatient oncology, emergency department, ambulatory surgery, inpatient Hospital Consumer Assessment of Healthcare Providers and Systems or inpatient rehabilitation surveys.

Patient satisfaction has always been of utmost importance at Ohio State’s Wexner Medical Center, and now even more so in today’s healthcare environment. Our goal is to reach the 90th percentile in patient satisfaction this year. We congratulate these providers who have achieved this.

Please congratulate and thank these providers for positively impacting our patients and their family members. They are a great example of the amazing things we do every day to improve people’s lives.

Cardiac Surgery
Dr. Juan Crestanello
Dr. Ahmet Kilic
Dr. Bryan Whitson

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General and Gastrointestinal Surgery
Dr. E. Christopher Ellison
Dr. Dean Mikami

Surgical Oncology
Dr. P. Mark Bloomston
Dr. William Farrar
Dr. John Howard
Dr. Carl Schmidt
Dr. Alicia Terando
Dr. Lisa Yee

Thoracic Surgery
Dr. Vincent Daniel

Transplant Surgery
Dr. Ronald Pelletier
Dr. Amer Rajab

Vascular Diseases & Surgery
Dr. Jean Starr

Grants

Raphael E. Pollock, MD, PhD, Ohio State Comprehensive Cancer Center. Reactivating of apoptosis: a potential therapeutic target for desmoid tumors with CTNNB1 S45S mutation. Sponsor: Desmoid Tumor Research Foundation

Publications


**James IA**, Moukalled A, Yu E, Tulman DB, Bergese SD, **Jones CD**, Stawicki SP, **Evans DC**. A systematic review of the need for MRI for the clearance of cervical spine injury in obtunded blunt trauma patients after normal cervical spine CT. *J Emerg Trauma Shock* 2014;7:251-5


**International Presentations**


**National Presentations**

Bailey, JK. Purple Monkeys and “I don’t know.” Visiting Professor/Grand Rounds, University of Missouri-Columbia, Columbia, Missouri, December 3, 2014.


Eley SA, Stewart TL, Steinberg SM, Jones C, Evans DC. Performance Improvement Efforts to Reduce Trauma Patient Admissions to Non-Surgical Services. Trauma Quality Improvement Program (TQIP) 2014 Annual Scientific Meeting Chicago, IL, November 9-11, 2014.


Henry ML. The P’s of Pancreas Transplantation. 8th Annual Surgical Fellows Symposium, American Society of Transplant Surgeons, San Diego CA, October 17, 2014.

Henry ML. Panelist, Pancreas & Immunology Case Discussions. 8th Annual Surgical Fellows Symposium, American Society of Transplant Surgeons, San Diego CA, October 17, 2014.


Henry ML. Speaker, Basilic Vein Transposition using One Stage or Two Stage Techniques. VEITHsymposium, 41st Annual Symposium on Vascular and Endovascular Issues, New York, NY., November 22, 2014.


Local Presentations

Bailey JK. Examiner, Mock Oral Board Exam, Riverside Methodist Hospital, Columbus OH, October 14, 2014.


Bailey, JK. Burns for Dummies: Pitfalls, Controversies and Consensus, presentation to SICU staff, The Ohio State University Wexner Medical Center, Columbus OH, October 30, 2014.

Bigley A. Burn Care. Presented at Genesis Good Samaritan Hospital, Zanesville, OH, December 2, 2014.

Coffey R. Initial Care of the Burn Patient presented at Trauma Tactics, Doctors Hospital, Columbus OH, November 7, 2014.

Coffey R. Burn Care Lecture for Junior Nursing Students, Ohio State University College of Nursing, Columbus OH, November 12, 2014.

Coffey R. Initial Care of the Burn Patient presented at Trauma Tactics, Doctors Hospital, Columbus OH, December 5, 2014.

Elkhammas E.A. Surgical Complications of Liver Transplant. GI Fellows Conference, OSUWMC, Columbus OH, October 9, 2014.

Evans DC. OSU Medical Dietetics graduate student class. MD 6350 - Critical Care Nutrition. Columbus OH, November 17, 2014.


Go MR. Medical management of visceral segment aortic dissections remains the gold standard. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus OH, November 7, 2014.

Go MR. New approaches to limb salvage. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus OH, November 8, 2014.

Go MR. Statistics for the Vascular Surgeon. The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus OH, November 10, 2014.
Go MR. Limb Salvage Program. The Ohio State University, Ross 5th Floor In-Service, Columbus OH, November 19, 2014.

Go MR. Peripheral Artery Disease. The Ohio State University MedNet21 CME Webcast, Columbus OH, November 21, 2014.

Go MR. Level One Heart and Vascular Emergency Program Update. The Ohio State University Heart and Vascular Center Grand Rounds, Columbus, OH, December 5, 2014.

Go MR. Carotid Stenosis. The Ohio State University Wexner Medical Center - UHE, Division of Vascular Disease & Surgery, Vascular Grand Rounds - UHE, Columbus, OH, December 10, 2014.

Haurani MJ. Aortic rupture should be treated rapidly in an open fashion. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus OH, November 7, 2014.

Haurani MJ. Utility of ultrasound guided access of peripheral vessels. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus OH, November 8, 2014.

Haurani MJ. Peripheral Artery Disease. The Ohio State University MedNet21 CME Webcast, Columbus OH, November 21, 2014.

Haurani MJ. Complications of Vascular Therapy. The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus, OH, December 8, 2014.

Henry J. Calf vein/muscular vein DVT is not a serious health threat. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus OH, November 7, 2014.

Henry ML. Discussant, Donors at Increased Risk for Transmission of HIV, HBV and/or HCV. Comprehensive Transplant Conference 2014: Navigating the Immunologic Barriers to Transplant Success- Novel Solutions to Common Clinical Problems. The Ohio State University Wexner Medical Center, Columbus, OH, October 30, 2014.

The Ohio State University Wexner Medical Center, Columbus, OH, October 30, 2014.

**Jones LM.** Course Director, Advanced Trauma Life Support Course, Central Ohio Trauma Systems, Columbus, OH, October 24 & 25, 2014.

**Jones LM.** Course Director, Advanced Trauma Life Support Course, Central Ohio Trauma Systems, Columbus, OH, December 5 & 6, 2014.

**Masterson L.** Vascular lab finances and reimbursement basics. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus OH, November 8, 2014.

**Masterson L.** Response of the Arterial Wall to Injury & Intimal Hyperplasia. The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus OH, November 24, 2014.

**Rink C.** Vitamin E – The Antihero Vitamin? The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus, OH, December 15, 2014.

**Satiani B.** Physiologic LEA Testing. The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus OH, October 27, 2014.

**Satiani B.** Co-Course Director. Vascular Seminar: Controversies in Vascular Diseases. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus OH, November 8, 2014.

**Satiani B.** Case Presentation: Stump the Audience. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus OH, November 8, 2014.

**Starr JE.** Incision site infections and the vascular trial. The Ohio State University Wexner Medical Center, Ross Heart Hospital 5th Floor In-Service, Columbus OH, October 15, 2014.

**Starr JE.** Renal Artery Disease and the basic science of R-V HTN. The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus OH, October 27, 2014.

**Starr JE.** CREST does not support the use of carotid stenting for all. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus OH, November 7, 2014.
Starr JE. CREST does not support the use of carotid stenting for all. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus OH, November 7, 2014.

Vaccaro PS. TASC C and D lesions should be treated with surgery. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus OH, November 7, 2014.

Vaccaro PS. Testing and interpretation of thoracic outlet physiologic studies. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus OH, November 8, 2014.

Vaccaro PS. Arteriovenous Malformations and Arteriovenous Fistula. The Ohio State University Wexner Medical Center, Division of Vascular Disease & Surgery, Vascular Grand Rounds, Columbus OH, October 13, 2014.

Miscellaneous

The Society of Fire Prevention Engineers hosted their annual golf tournament to benefit the OSU Burn Center on October 6. This year’s event was held at the Scioto Reserve Country Club in Powell, Ohio.

Outreach


Bigley A, Coffey C. Violet Township Fire Station Open House for Fire Prevention, Pickerington, OH, October 12, 2014.

Go MR. Diagnosis and Management of VTE. Genesis HealthCare System, Medical Staff Meeting, Zanesville, OH, December 2, 2014.

Guest Lecturers

Attar, T. Renal artery stenting still has a place in HTN management. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus OH November 7, 2014.

Attar, T. Endovascular treatment of long SFA lesions should be first line. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus OH November 7, 2014.
Byrnes, K. AV access imaging fundamentals and use of flow studies. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus OH November 8, 2014.

Byrnes K. Renal and mesenteric imaging … what you need to know. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus, OH, November 8, 2014.

Cornwell, C. Transcranial doppler. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus, OH, November 8, 2014.

Evans, J. Use of ultrasound during endovenous ablation. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus, OH, November 8, 2014.

George, B CREsT. Justifies liberalizing the use of carotid stenting. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus, OH, November 7, 2014.

Gomes, M. Case Presentation: Stump the Audience. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus, OH, November 8, 2014.

Gomes, M. New anticoagulants and their advantages and uses. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus, OH, November 7, 2014.

Gomes, M. Aggressive management of calf/muscular vein DVT is the standard of care. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus, OH, November 7, 2014.

Khabiri, H. Management of acute ileocaval venous thrombosis. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus, OH, November 8, 2014.

Kiser D. Technologist re-accreditation. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus, OH, November 8, 2014.

Kiser, D. Ergonomics of imaging… how to protect yourself from injury. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus, OH, November 8, 2014.
Kupinski, AM. Diagnosing FMD in the vascular lab. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus, OH, November 8, 2014.

Kupinski, AM. Top 10 scanning errors to avoid in the vascular lab. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus, OH, November 8, 2014.

Milner R. Lower extremity intervention… evaluation of stents & grafts. The Ohio State University Wexner Medical Center, 7th Annual Vascular Non-Invasive Testing Symposium, Columbus, OH, November 8, 2014.

Milner, R. Visceral aortic dissection…. The future is here and endovascular management offers the best outcome. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus, OH, November 7, 2014.

Milner, R. Ruptured AAA mandates an endovascular approach. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus, OH, November 7, 2014.

Valentine C. Renal artery stenting has no place in the management of HTN. The Ohio State University Wexner Medical Center, Controversies in Vascular Diseases Seminar, Columbus, OH, November 7, 2014.