

GENERAL SURGERY RESIDENCY UPDATE

Winter 2016

Applicant Interviews Concluded in January

Applicant interviews are over and we would like to say thanks to everyone in the Department for participating in this critical aspect of our program. No matter what part you played—it was important to us! The final faculty meeting will be held on **February 11, 2016** in Moore Auditorium, WUSM at 5pm. Match Day is **March 18, 2016**. We look forward to another very successful Match!



Top Gun Competition Coming This Week! “Top Gun”, will be held again this year on **February 10, 2016**. All residents will be competing during the conference/skills lab block 7-11AM in the WISE Lab, 1st floor CSRB. Residents compete in FLS skills with the winner of the competition being sent to compete nationally at the SAGES Annual Meeting in Boston, March 16-19, 2016. Please join us in the lab to cheer on the residents!

Mark your calendars & Save-the-Dates !

Wednesday, March 9, 2016 - The Resident Retreat be held from 7AM-5PM. While the full schedule is pending, it will start in Holden Auditorium, FLTC with later sessions in small group rooms and then reconvening in the King Center, Becker Library. Other afternoon team building events are being planned.

Wednesday, May 4, 2016 – The City Wide Mock Orals will be held on the St. Louis University campus this year. All PGY4s and PGY5s will be taking the exam. We are still needing faculty to participate as examiners. If you are interested/willing, please contact Dr. [Amy Cyr](#), Dr. [Paul Wise](#) or call the Surgery House Staff Office at 362-8028.

End-of-the-Year Events:

Saturday, June 11, 2016 - Intern Welcoming Picnic-, Kirkwood Park

Friday, June 17, 2016 – The 2015-2016 Chief Residents’ Dinner Banquet will be held in the **Starlight Room at the Chase Park Plaza Hotel**.

Upcoming Visiting Professor Lectures

Wednesday April, 6, 2016 – The Hepatobiliary Surgery visiting Professor lecture with [Dr. Sharon Weber, Chief Surgical Oncology, University of Wisconsin School of Medicine](#). Dr. Weber will be speaking at the St. Louis Surgical Society and will be giving Department of Surgery Grand Rounds.

Wednesday, April 20, 2016 – The Vascular Surgery Visiting Professor Lectureship with [Dr. Frank J. Veith, Professor of Surgery, and Chair of Vascular at Cleveland Clinic and New York University Medical Center](#).

April 26 & 27, 2016 - The 19th Samuel A. Wells, Jr. Resident Research Day Competition and the Evarts A. Graham Visiting Professor Lecture with [Dr. Valerie W. Rusch, Chief Thoracic Service, Memorial Sloan-Kettering Cancer Center](#).

Tuesday, May 3, 2016 – The Jessie L. Ternberg, MD, Ph.D Pediatric Surgery Lectureship with Visiting Professor [Henri R. Ford, MD, Vice President and Surgeon-in-Chief, Children’s Hospital Los Angeles](#).

Congratulations Dr. Jennifer Leinicke

Congratulations to Dr. Leinicke who completed her residency on December 31, 2015, not long after delivering her second child, Vivienne! She will join the section of Acute and Critical Care Surgery through July 2016 after which she will begin a fellowship in Colorectal Surgery at Case Western Reserve University in Cleveland, Ohio.

We wish her the best of luck in all of her future endeavors!



Chief Resident Fellowships

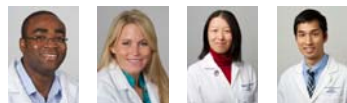
Congrats to our 2016 finishing chiefs in their future training destinations! In addition to Dr. Leinicke mentioned above, their fellowships are as follows:

[Dr. Richard Chen](#) – ACCS/Trauma, Wash U; [Dr. Haniee Chung](#) – Colorectal Surgery, Wash U; [Dr. Ruben Nava](#) – CT, Wash U; [Dr. Jason Robertson](#) – Peds Critical Care, U Michigan; [Dr. Katie Rowland](#) – Peds Surgery, Oregon Health Sci U; [Dr. Lindsey Saint](#) – CT, Wash U; [Dr. Lauren Steward](#) – ACCS/Trauma, U Colorado

Six Months of Resident Awards and Accomplishments



Dr. Coen Klos will be joining the General Surgery Residency as a categorical PGY3 in June 2016! Dr. Klos has worked hard for the past two years with us as a preliminary PGY1 and PGY2 after having spent time doing research with the Section of Colorectal Surgery. Many congratulations to Dr. Klos!



From the lab of Dr. Brad Warner: **Dr. Bola Aladegbami, Dr. Lauren Barron, Dr. Pamela Choi and Dr. Raphael Sun**

Accelerated Hepatic Steatosis is Induced by Small Bowel Resection and Prevented by Oral Vancomycin. L. K. Barron, C. R. Erwin, C. P. Gayer, B. W. Warner

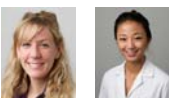
mTOR Signaling is Required for Adaptation and Epithelial Cell Proliferation after Bowel Resection. R. C. Sun, J. Guo, B. W. Warner

EGFR Signaling modulates HIF1 α expression in intestinal epithelial and endothelial cells. B. Aladegbami, J. Guo, B. W. Warner

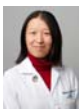
Pediatric Trauma Patients at Risk for Coagulopathy: Blood Product vs. Crystalloid Resuscitation Bola Aladegbami, MD, Pam Choi, MD, Yan Yan, MD, PhD, Philip C. Spinella, MD, Martin S. Keller, MD and Adam M. Vogel, MD



The Washington University Chapter of Alpha Omega Alpha has announced that Administrative Chief Resident, **Dr. Kathryn Rowland**, was selected to AOA! Dr. Rowland will be honored at the annual AOA Initiation Banquet this spring. Congratulations on this well-deserved award!



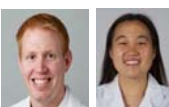
Dr. Kathryn Rowland and Dr. Linda Jin. Management of the Parathyroid Glands During Preventive Thyroidectomy in Patients With Multiple Endocrine Neoplasia Type 2. Moley JF, Skinner M, Gillanders WE, Lairmore TC, Rowland KJ, Traugott AL, Jin LX, Wells SA Jr. *Ann Surg.* 2015 Oct;262(4):641-6.



Dr. Pamela Choi. P.M. Choi, C. Hong, S. Bansal, A. Lumba, C.M. Fitzpatrick, M.S. Keller. "Gun Violence in the Pediatric Population: A Tale of One City." *J Trauma Acute Care Surg.* 2016; 80(1):64-69. (interviewed by NPR for this study)

"Missed Injuries and Unplanned Readmissions in the Pediatric Trauma Population." P.M. Choi, J. Yu, M.S. Keller. *Pediatric Trauma Society, Scottsdale, AZ. November 7, 2015.*; "Early Impact of American College of Surgeons at a Level-1 Pediatric Trauma Center." P.M. Choi, C. Hong, S. Woods, B.W. Warner, M.S. Keller. *American Academy of Pediatrics Oral Presentation. Washington, DC. October 26, 2015.*

Drs. Darren Cullinan, Tim Nywening, and Roheena Panni. Cullinan DR, Nywening T, Panni T, Fields RC, Belt B, Hawkins W, D.C. Linehan. Vaccination enhances anti-tumor immunity in pancreatic adenocarcinoma Following Repolarization of the Tumor Microenvironment with CCR2 Blockade. *Society of Surgical Oncology (SSO). Boston, MA. March 2016.*



Drs. Darren Cullinan and Jennifer Yu have both received the (SERF) Surgical Education Research Fellowship sponsored by the Association for Surgical Education. This is a one year fellowship designed to equip investigators with the skills and knowledge needed to plan, implement and report research studies in the field of surgical education. Congratulations to both of them!



Dr. Leisha Elmore presented "A Multi-Institutional Survey of Burnout in US General Surgery Residency" at American College of Surgeons and presented "Gender Differences in Burnout during Surgical Training: A Multi-Institutional Survey" at the education plenary at the Academic Surgical Congress. This is to be featured by the ACS.



Residents in the Cardiothoracic Surgery Laboratories:

Melby, SJ; Saint, LL; Balsara, K; Itoh, A; Lawton, JS; Maniar, HS; Pasque, MK; Damiano, RJ; Moon, MR. "Complete Coronary Revascularization Improves Survival in Octogenarians." *Annals of Thoracic Surgery.* In press.; Henn MC, Cupps BP, Kar J, Kulshrestha K, Koerner D, Braverman AC, Pasque MK. "Quantifying "normalized" regional left ventricular contractile function in ischemic coronary artery disease." *J Thorac Cardiovasc Surg.* 2015 Jul;150(1):240-6.; Miller JR, Boston US, Epstein DJ, Henn MC, Lawrance CP, Kallenbach J, Simpson KE, Canter CE, Eghtesady P. "Pediatric Quality of Life while Supported with a Ventricular Assist Device." *Congenit Heart Dis.* 2015 Jul-Aug;10(4):E189-96.; Henn MC, Henn LW. "Spontaneous rupture of an aortocoronary saphenous vein graft aneurysm." *Tex Heart Inst J.* 2015 Aug 1;42(4):405-6.; Henn MC, Janjua MB, Zhang H, Kanter EM, Makepeace CM, Schuessler RB, Nichols CG, Lawton JS. "Diazoxide Cardioprotection is Independent of Adenosine Triphosphate-Sensitive Potassium Channel Kir6.1 Subunit in Response to Stress." *J Am Coll Surg.* 2015 Aug;221(2):319-25.; Henn MC, Janjua MB, Kanter EM, Makepeace CM, Schuessler RB, Nichols CG, Lawton JS. "Adenosine Triphosphate - Sensitive Potassium Channel Kir Subunits Implicated in Cardioprotection by Diazoxide." *J Am Heart Assoc.* 2015 Aug 24;4(8); Lawrance CP, Henn MC, Damiano RJ Jr. "Concomitant Cox-Maze IV Techniques During Mitral Valve Surgery" *Ann Cardiothorac Surg.* 2015 Sep;4(5):483-6.; Henn MC, Lawrance CP, Kar J, Cupps BP, Kulshrestha K, Koerner D, Joseph S, Ewald G, Pasque MK. "Dilated Cardiomyopathy: Normalized Multiparametric Myocardial Strain Predicts Contractile Recovery" *Ann Thorac Surg.* 2015 Oct;100(4):1284-91.; Henn MC, Lawrance CP, Sinn L, Miller JR, Schuessler RB, Maniar HS, Damiano RJ. "The effectiveness of surgical ablation in patients with atrial fibrillation and aortic valve disease." *Ann Thorac Surg.* 2015 Oct;100(4):1253-60.; Henn MC, Lancaster TS, Miller JR, Sinn LA, Schuessler RB, Moon MR, Melby SJ, Maniar HS, Damiano RJ. "Late outcomes of the Cox-Maze IV procedure for atrial fibrillation." *J Thorac Cardiovasc Surg.* 2015 Nov;150(5); Miller JR, Epstein DJ, Henn MC, Guthrie T, Schuessler

RB, Simpson KE, Canter CE, Eghtesady P, Boston US. "Early Biventricular Assist Device Use in Children: A Single Center Review of 31 Patients." *ASAIO J*. 2015 Nov-Dec;61(6):688-94. ; Kazui T, [Henn MC](#), Watanabe Y, Kovacs SJ, [Lawrance CP](#), Greenberg JW, Moon MR, Schuessler RB, Damiano RJ. "The Impact of Six Weeks of Atrial Fibrillation on Left Atrial and Ventricular Structure and Function." *J Thorac Cardiovasc Surg*. 2015 Dec;150(6):1602.; [Miller IR](#), Deeken CR, [Ray S](#), [Henn MC](#), [Lancaster TS](#), Schuessler RB, Damiano RJ, Melby SJ. "PTFE For Chordae Replacement: Preventing Knot Failure" *Ann Thorac Surg*. 2015 Dec;100(6):2325-9.; Damiano RJ, [Lawrance CP](#), [Saint LL](#), [Henn MC](#), Sinn LA, Kruse J, Gleva MJ, Maniar HS, McCarthy PM, Lee R. "Detection of atrial fibrillation following surgical ablation: conventional versus continuous monitoring." *Ann Thorac Surg*. 2016 Jan;101(1):42-8.; [Henn MC](#), Zajarias A, Lindman BR, Greenberg JW, Wittenberg AM, Lawler C, Damiano M, Melby SJ, Quader N, Lasala JM, Moon, MR, Lawton JS, Damiano RJ, Maniar HS. " Preoperative Pulmonary Function Tests Predict Mortality After Surgical or Transcatheter Aortic Valve Replacement." *J Thorac Cardiovasc Surg*. 2016 Feb;151(2):578-586.

[Lawrance CP](#), [Henn MC](#), Damiano RJ Jr. "Surgical Treatment of Arrhythmias" Sabiston and Spencer Surgery of the Chest, 9th Edition; 2015 (August).; [Henn MC](#), Zajarias A, Maniar HS. "Transfemoral: Upcoming Valves" Catheter Based Valve and Aortic Surgery; 2015.

[Henn MC](#), Janjua MB, Zhang H, Kanter EM, Makepeace CM, Schuessler RB, Nichols CG, Lawton JS. Myocytes with Gain-of-Function of Adenosine Triphosphate-Sensitive Potassium Channel Subunit Kir6.1 have Altered Response to Stress of Hyperkalemic Cardioplegia." The American College of Surgeons 2015 Clinical Congress, Chicago, IL, October 5, 2015.

[Henn MC](#), Janjua MB, Zhang H, Kanter EM, Makepeace CM, Schuessler RB, Nichols CG, Lawton JS. Genetic Deletion of Adenosine Triphosphate-Sensitive Potassium Channel Subunit Kir6.2 Paradoxically Confers Increased Tolerance to Myocyte Stress." Accepted for podium presentation The American College of Surgeons 2015 Clinical Congress, Chicago, IL, October 5, 2015.

[Henn MC](#), Percival T, Zajarias A, Melby SJ, Lindman BR, Quader N, Damiano RJ Jr, Moon MR, Lasala JM, Rao R, Bell J, Damiano MS, Maniar HS. "Learning Alternative Access Approaches for TAVR: Implications for New TAVR Centers." Southern Thoracic Surgical Association 62nd Annual Meeting, Orlando, FL; November 6, 2015.



Congrats to the multitude of residents and faculty in completing and publishing the 7th Edition of the Washington Manual of Surgery in 2015! Edited by: Mary E. Klingensmith, Chandu Vemuri, Lola Fayanju, Pamela P. Samson, Jason O. Robertson, Dominic E. Sanford with foreword by Timothy J. Eberlein



Dr. Kerri Serecky-Ohman "Nutritional Adequacy and Outcome in Neonatal and Pediatric Extracorporeal Life Support." Ohman KA, CreveCouer T, Vogel AM. Academic Surgical Congress, February 2016, Jacksonville, Florida and "Targeted Therapy in Pancreatic Cancer Utilizing the Novel Small Molecule Drug Conjugate SW V-49 in Combination with Standard Chemotherapy." Ohman KA, Vangveravong S, Spitzer D, Hawkins WG. SSO Annual Symposium, March 2016, Boston, MA



Dr. Michael Onwugbutor received the Society of Thoracic Surgeons (STS) Looking To The Future Scholarship Award. Funded by the STS and its members, this scholarship covered expenses at the Society of Thoracic Surgeons 52nd Annual Meeting this past month in Phoenix, Arizona.



In September **Dr. Pamela Samson** was awarded the J. Maxwell Chamberlain Memorial Paper presented to the top-ranked general thoracic surgery abstract submitted to the Society of Thoracic Surgeons. On behalf of Dr. Samson, Dr. Varun Puri presented "Quality Measures in Clinical Stage I Non-Small Cell Lung Cancer: Improved Performance is Associated with Improved Survival" at the annual meeting in Phoenix, AZ.

Southern Thoracic Surgical Association (Orlando, FL November 2015): Oral Presentation: Clinical T2N0 Esophageal Cancer: When is Induction Therapy Indicated? PI: Traves Crabtree

Society of Thoracic Surgeons (Phoenix, AZ January 2016): Oral Presentation: Quality Measures in Clinical Stage I Non-small Cell Lung Cancer: Improved Performance is Associated with Improved Survival. PI: Varun Puri; Oral Presentation: Adhering to Quality Measures in Esophagectomy Improves Overall Survival in All Stages of Esophageal Cancer. PI: Traves Crabtree; Oral Presentation: Quality of Lymphadenectomy is Associated with Improved Overall Survival in Esophageal Cancer Patients. PI: Traves Crabtree; Poster Presentation: Defining the Ideal Time Interval Between Planned Induction Therapy and Surgery for Stage IIIA Non-Small Cell Lung Cancer. PI: Varun Puri

Samson P, Robinson CG, Bradley J, Lee A, et al. The National Surgical Quality Improvement risk calculator does not adequately stratify risk for patients with clinical stage I non-small cell lung cancer. *J Thorac and Cardiovasc Surg* 2015; Samson P, Puri V, Robinson C, Lockhart C, et al. Clinical T2N0 Esophageal Cancer: Identifying Pretreatment Characteristics Associated with Pathologic Upstaging and the Potential Role for Induction Therapy. *Ann Thorac Surg* 2016; Accepted for publication.


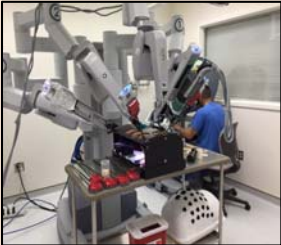



Dr. Matthew Strand. Presented at the American Society of Clinical Oncology-Gastrointestinal Cancers Symposium. January 22, 2016 "Precision Cancer Therapy through Nanoparticle Delivery of siRNA Against KRAS".

Drs. Jesse Davidson, Linda Jin, and Brad Krasnick also presented at the Symposium!



Dr. Nicole Wilson. Wilson NA, Wakeman D, Utterson EC, Vogel AM. Intraoperative endoscopic treatment of Mirizzi syndrome in a pediatric patient. *J Ped Surg Case Reports*. 2016 Feb(5):8-11

<p>New Additions to the Surgery Residency Family</p>	<p>The surgery residency “family” has increased since our last newsletter! Congratulations to Drs. Kerri & Westley Ohman, Dr. Joshua Balderman, Dr. Thomas Desmarais, and Dr. Jennifer Leinicke on the births of their new babies.</p>
<p> System for Improving & Measuring Procedural Learning</p>	<p>As a reminder the SIMPL study is to improve measurement and feedback on resident performance and independence in the operating room by using a software-based application that will enable faculty to provide real-time feedback at the end of an OR case. The study is well underway and the android app is available. If you missed the training sessions, please contact Debbie Tiemann, RN or Dr. Paul Wise. REMEMBER: it’s SIMPL...use the SIMPL app on EVERY CASE to do resident operative performance assessments.</p>
<p>News from WISE</p> 	<p>The Washington University Institute for Surgical Education has a newly released WISE Website. – Please take the time to check out the new website at http://wise.wustl.edu/. There are listings of the different simulators that are available, labs that are offered, and convenient links for educational resources and for scheduling FLS, FES and FUSE exams. The new daVinci Si surgical system arrived in December. Both the robot and the robot simulator are being used for skills labs, research and self-directed practice before going to the OR. Contact Angie or Debbie if you would like to learn more or reserve some time to practice,</p>
<p>Follow us on:</p> 	<p>On FB: Washington University General Surgery Residents On Twitter: @WUSTLsurgres</p>

General Surgery Residency Alumni and Prior Faculty!

Do you wish to receive this and other news about the Department of Surgery at Washington University in St. Louis via email? Or do you have any news or information that you would like to share? If so, please send your name, current position, and preferred contact information to AskSurgery@wustl.edu, in addition to the news you wish to share. We hope to create an Alumni section for this newsletter in the future.

We’d love to hear from you!

The Office of Surgical Education