ACTIVE RESEARCH PROJECTS

Clinical Trials

**BEST:** Trial to compare the best endovascular versus best surgical therapy in patients with critical limb ischemia. K. Taubman, PR Nelson, K. Kempe, H. Kim.


Faculty Research Projects

The Center for Neuroscience-based Mental Health Assessment and Prediction (NeuroMAP), Center of Biological Research Excellence (CoBRE) – Research Core, Sponsored by NIH/NIGMS. TK Teague (Site PI), JH Marino (Supporting Investigator).

Center for Integrative Research on Childhood Adversity (CIRCA). Sponsored by NIH/NIGMS. TK Teague (Site PI).

The role of glutamatergic sensory neurons in the initiation of and response to colitis. Sponsored by OCAST. TK Teague (Co-Investigator).

Inflammation and kynurenine metabolites in the acute sequelae of concussion. Sponsored by NIH/NIMH. TK Teague (Co-Investigator).


Establishing Vascular Access by Native AV Fistula and Evaluating Outcomes in Hemodialysis Patients K Kempe (PI); W. Jennings, PR Nelson, H. Kim.

National Variation in Hospital Costs and Charges for Laparoscopic Cholecystectomy. CA Howard (PI); Z Khorgami.

Analysis of the State of Cholangiocarcinoma Care in Oklahoma. N. Royall (PI).
Resident Research Projects

*Morphometric Profile Predicts Outcome in Trauma Patients with Blunt and Penetrating Injuries.*
B. Hui.
Faculty: N. Royall.

*Geriatric Traumatic Brain Injury: Outcomes of falls in the elderly from within the community vs facility residents.*
H. Tran.
Faculty: CA Howard, TK Teague.

*Resident Usage of Communication Modalities for Inpatient Care Among Surgical Residents.*
C.E. Welch.
Faculty: N. Royall.

*Outcomes of Traumatic Aortic Transection in a Rural State.*
T. Jackson.
Faculty: PR Nelson.

*Student Preparedness for the Operating Room and the Need for Student-Centered Resources.*
CE Welch.
Faculty: G. Chow.

*Resident Perception and Prescribing Patterns of Pain Medications for Outpatient Laparoscopic Cholecystectomy.*
W. Li.
Faculty: N. Royall.

*Case Series Poster Presentations as a New Method of Surgical Education and Residency Preparation of Fourth Year Medical Students.*
Z. Shakir, J. Nigh.
Faculty: G. Chow.

*Retrospective Review Examining the Incidence of Prescribing Renin-Angiotensin-System Inhibitors Status-Post Infrainguinal Revascularization.*
R. Mendelsberg, T. Jackson, O. Wright, J. Chitwood.
Faculty: P. Nelson, K. Taubman.

*Compliance with guidelines for the management of blunt injury of the liver and spleen in the state of Oklahoma.*
J. Davis.
Faculty: N. Royall, Z. Khorgami.

*Cardiac Complications after Bariatric Surgery.*
J. Sahawneh, T. Jackson
Faculty: G. Chow, Z. Khorgami.

*Open Abdominal Aortic Surgery in Morbidly Obese Patients.*
P. Lau.
Faculty: K. Taubman, CA Howard, Z. Khorgami.

*Predictors of Mortality after Elective Ventral Hernia Repair: An Analysis of National Inpatient Sample.*
B. Hui.
Faculty: G. Chow, Z. Khorgami.
Faculty: CA Howard, Z Khorgami.

Emphysematous Gastritis: A Case Report and Review of the Literature. N. Alamiri, H-V Tran
Faculty: G. Chow.

Retrospective Review of Investigator Experience with Arteriovenous Fistula (AVF) Creation. A. Heiman.
PR Nelson (PI); K. Kempe, W. Jennings.

PUBLICATIONS

Faculty - peer-reviewed journal articles (2018-2019)


8 Khorgami Z, Lau P, Howard CA, Malgor R, Taubman KE. Morbid Obesity as an Independent Risk Factor of Mortality in Open Abdominal Aortic Surgeries: a Retrospective


**Book chapters or books published by faculty**


**Patents (faculty)**

Other peer-reviewed publications (Residents and non-OU-Tulsa Surgery faculty)

1. Alamiri NN, Bruns S. Spontaneous appendicocutaneous fistula after inguinal hernia repair with mesh. *Oklahoma State Medical Journal*. Accepted.


Surgery Department Abstracts/Presentations

2018


7 Davis JM, Shakir ZF, Royall NA. Recurrent Acute Pancreatitis Secondary to Post-necrotic Pancreatic Duct Stricture. Presented at: Clinical Vignette Symposium, May 16, 2018; Tulsa, OK.

8 Shakir ZF, Davis JM, Royall NA. Necrotizing Fasciitis of the Retroperitoneum Related to Group A Streptococcus. Presented at: Clinical Vignette Symposium, May 16, 2018; Tulsa, OK.

9 Fleischer WJ, Mettler KL, Hanner WA, Royall NA. Retroperitoneal Approach to a Retroperitoneal Liposarcoma. Presented at: Clinical Vignette Symposium, May 16, 2018; Tulsa, OK.


2019


9  Theresa Jackson, MD, Cici Zhou, MS, Diane Jackson, DVM, Vaidehi Agrawal, PhD, Kevin Taubman, MD, Peter Nelson, MD, Michael S. Truitt, MD. Traumatized Residents – It’s not surgery. It’s medicine. Presented at: OU-Tulsa Research Forum, April 3, 2019; Tulsa, OK.

10 Jessica Heard MS4, Kerry Swanson MS4, Zhamak Khorgami M.D., Geoffrey Chow M.D. Student OR Preparation – Does Intended Specialty Matter? Presented at: OU-Tulsa Research Forum, April 3, 2019; Tulsa, OK.

11 KA Swanson, JC Heard, CE Welch, Z Khorgami, CA Howard, GS Chow. Medical Student Preparation for the OR in 2018: Where are we? Presented at: OU-Tulsa Research Forum, April 3, 2019; Tulsa, OK.


13 Tyler Dulworth; Krista Kezbers, PHD; Heather McIntosh, MS, CRA, LSSGB; Peter Nelson, MD; Theresa Jackson, MD; Michael Truitt, MD. Is The Grass Always Greener? An Analysis Of Resident And Physician Career Choice. Presented at: OU-Tulsa Research Forum, April 3, 2019; Tulsa, OK.


16 Mitchell McCain, Nasser Alamiri, Justin Atherton. Intramuscular Myxoma of The Lower Extremity: Diagnosis And Treatment Of Rare Pathology. Presented at: Clinical Vignette Symposium, May 22, 2019; Tulsa, OK.


27 James McClintic, Ranan Mendelsberg, Hyein Kim, Kelly Kempe, Peter Nelson, Kevin Taubman. Endovascular Repair of Complex Type III Endoleak. Presented at: Clinical Vignette Symposium, May 22, 2019; Tulsa, OK.


30 Rosemarie Zanabria, Ranan Mendelsberg, Vernon Horst, Kelly Kempe, Hyein Kim, Peter Nelson, Kevin Taubman. Percutaneous Transcaval Embolization in Persistent Type II Endoleak Post EVAR. Clinical Vignette Symposium, May 22, 2019; Tulsa, OK. **CVS Oral Presentation Winner**


32 Jessica Heard, Ranan Mendelsberg, Vernon Horst, Peter Nelson, Kevin Taubman, Kelly Kempe, Hyein Kim. Snorkeled In The (S)EVAR. Presented at: Clinical Vignette Symposium, May 22, 2019; Tulsa, OK.


