Hello and happy summer!

We are happy to share how our department’s research program has continued to grow over the past year. As always, please let us know if we can help in any way with your projects!

-The EM Research Team

RESEARCH RECOGNITIONS

Congratulations to Dr. Marshall, along with co-investigators Josh Joseph and Art Derse of Harvard Medical School and the Medical College of Wisconsin, for being awarded a two-year, $110,000 grant by the Greenwall Foundation for their project, *Revive, refuse, repeat: informed refusal and the opioid crisis*. The grant is part of Greenwall’s Making a Difference Program, which “supports research to help resolve an important emerging or unanswered bioethics problem in clinical care, biomedical research, public health practice, or public policy.”

We also want to congratulate Nick Pallo, MD on being receiving this year’s Residency Research Award. Dr. Pallo recently worked alongside Drs. Thornton, Whitacre, and Roberts conducting a retrospective review of benzodiazepine withdrawals at KUMC between 2009 and 2016. This work led to an abstract publication in the *Journal of Medical Toxicology*. Congratulations and best of luck to you at Saint Luke’s!

Congrats to Dr. Cannon on being awarded over $190,000 in funding for his upcoming project, *VITROS Immunodiagnostic Products hs Troponin I*, sponsored by Ortho-Clinical Diagnostics. This study will involve serial sample collection from ED patients presenting with signs and symptoms of acute coronary syndrome.
Recent Publications & Presentations

Norvell, JG; Behravesh, B; Templeton, K; Pace, C; Norvell, T; Chalise, P; Unruh, G; and Hammond, J. Addressing Burnout Among Female Residents: Results from 4 Focus Groups. 2018 Coalition for Physician Well-Being. San Antonio, TX. 2 August 2018.

Norvell, JG; Behravesh, B; Templeton, K; Chalise, P; Unruh, G; and Miller, D. Addressing Burnout Among Female Residents: A Multifaceted Approach. 2018 Coalition for Physician Well-Being. San Antonio, TX. 2 August 2018.


Beri, N; Daniels, LB; Jaffe, A; [and 20 others, including Cannon, CM]. Copeptin to Rule out Myocardial Infarction in Blacks versus Caucasians. European Heart Journal: Acute Cardiovascular Care. May 2018.


Norvell, JG; Behravesh, B; Chalise, P; Unruh, G; Hammond, J; and Templeton, K. Addressing Burnout Among Female Residents: Results from a Focus Group. American Medical Women’s Association 103rd Annual Meeting. Philadelphia, PA. 23 March 2018.


Garg, U; Johnson, L; Wiebold, A; Ferguson, A; Frazee, C; and Thornton, SL. False-Positive Carbamazepine Results by Gas Chromatography – Mass Spectrometry and VITROS 5600 Following a Massive Oxcarbazepine Ingestion. Journal of Applied Laboratory Medicine. January 2018.


Thornton, SL; Pallo, N; Whitacre, J; Roberts, N; and Oller, L. In Search of Acute Benzodiazepine Withdrawal: A Retrospective Review of an Academic Medical Center’s Experience. Journal of Medical Toxicology. 2018. Abstract 65.
NEW AND UPCOMING RESEARCH

INVESTIGATOR INITIATED:

PRES: A Case Study
- PI: Bradley Barth, MD
- Co-Investigators: Jordan Hammond, MD; Kenneth Marshall, MD; Nathan Roberts, MD; Samuel Wagner, MD

Revive, Refuse, Repeat: Informed Refusal and the Opioid Crisis
- PI: Ken Marshall, MD

INDUSTRY SPONSORED:

VITROS Immunodiagnostic Products hs Troponin I
- Sponsor: Ortho-Clinical Diagnostics
- PI: Chad Cannon, MD

Multi-Center Performance Evaluation of BD Vacutainer Diomedes Whole Blood Collection Device for Blood Gases, Chemistry and Immunochemistry Determinations using Near-Patients / Point of Care Instruments
- Sponsor: Becton, Dickinson and Company
- PI: Chad Cannon, MD

Use of Methylene Blue in Acquired Methemoglobinemia: Prospective Observational Registry (metHb)
- Sponsor: Hospital Quality Foundation
- PI: Chad Cannon, MD

CURRENT RESEARCH

INVESTIGATOR INITIATED:

Clinical Characteristics and Outcomes of Patients Diagnosed with Benzodiazepine Withdrawal
- Stephen Thornton, MD

Coaches’ Perception in Academic Learning Societies
- Bradley Barth, MD

Coaching the High Performing Student to Excel
- Bradley Barth, MD

Defining the Coaches’ Role in Academic Coaching
- Bradley Barth, MD

Does Past Benzodiazepine Dosing Predict Future Needs in Repeat Acute Ethanol Withdrawal?
- Bradley Jackson, MD

Implications of Cultures Before vs. After First Antimicrobial Dose in Septic Patients (CX-FAD Study)
- Vincent Cascone, PharmD; Rose Cohen, PharmD; Nicholas Dodson, PharmD; Chad Cannon, MD

Incidence of Bacteremia on Out of Hospital Cardiac Arrest: A Retrospective Study
- Chad Cannon, MD
Lactate as a Predictor of Mortality in Patients Presenting to the Emergency Department with Gastrointestinal Hemorrhage

- Chad Cannon, MD; Bryan Imhoff, MD; Seth Atchison, MD; Nicholas Dodson, PharmD; Kelly Howe, RN; Alexandria Larson, DO; Brandon Ricke, MD; Evan Slanczka, DO; Edric Wong, PharmD

Predicting Mortality Using Serum Lactate Levels and Age

- Chad Cannon, MD and Ross Miller, MD

Results and Utility of Methanol and Ethylene Glycol Levels Reported to a Poison Control Center

- Stephen Thornton, MD

Surveillance of Novel Psychoactive Substance Intoxications Using Enhanced High Resolution Mass Spectrometry-Based Drug Screening and Confirmation

- Stephen Thornton, MD

Students’ Perception in Academic Learning Societies

- Bradley Barth, MD

Systematic Review of Age Adjusted D-Dimer

- Bradley Barth, MD; David Lisbon, MD; Daniel Gallagher, MD; Danielle Miller, MD

Time to Pee: A Retrospective Review of Urinalysis and Point-of-Care Urine Pregnancy Testing Time-to-Collection and Time-to-Result in Relation to ER Turn-Around-Time

- Jonathan Wilcher, MD; Carolyn Clark, MD; Adam Condra, MD; Armand Heyns, MD; Timothy Olatunde, MD

Thorazine Use in the ED

- Bradley Barth, MD

Willingness of Baby Boomers to be Screened for Hepatitis C in the Emergency Department

- David Lisbon, MD and Chad Cannon, MD

**Industry Sponsored:**

An Evaluation of the Alere NT-proBNP for ARCHITECT in an Emergency Department Setting for Heart Failure (ANTARES-HF)

- Sponsor: Abbott
- PI: Chad Cannon, MD

International Collaborative of NT-proBNP Re-evaluation of Acute Diagnostic Cut-Offs in the Emergency Department (ICON-RELOADED)

- Sponsor: Roche Diagnostics
- PI: Chad Cannon, MD

International Registry to Assess Medical Practice with Longitudinal Observation for Treatment of Heart Failure (REPORT-HF)

- Sponsor: Novartis
- PI: Chad Cannon, MD

Safety of Oral Anticoagulants Registry: A National, Hospital-Based, Sentinel Surveillance Study of the Clinical and Economic Impact of Bleeding and Bleeding Concerns due to the Use of Oral Anticoagulants (SOAR)

- Sponsor: Hospital Quality Foundation
- PI: Chad Cannon, MD