**DEPARTMENT of EMERGENCY MEDICINE**

Research Showcase
R&T Auditorium

May 10th, 2018

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**Incidence of Type II Error in the Emergency Medicine Literature**
Emily Bartlett, MD, MS and Graham Nichol, MD, MPH
Presenter: Emily Bartlett, MD, MS, R2; Mentor- Graham Nichol, MD, MPH

**Beyond Fight or Flight: The Need for Conflict Management Training in Medical Education**
Nan Cochran, MD; Paul Charlton, MD, MA, Virginia Reed, PhD; Peter Thurber, MS; and Elliott Fisher, MD, Annie Chipman, MD, MS
Presenter: Paul Charlton, MD, MA, R4; Mentor- Annie Chipman, MD, MS

**Bioethical challenges for students rotating in the Emergency Department**
Caitlin Schrepel, MD, Joshua Jauregui MD; Jamie Shandro MD, MPH; Jared Strote, MD, MS
Presenter: Caitlin Schrepel, MD, R3; Mentors- Joshua Jauregui MD; Jamie Shandro MD, MPH; Jared Strote, MD, MS

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12:00 to 12:30pm **LUNCH & AWARDS**
7:00 to 7:10am

**INTRODUCTION**

7:10 to 7:25am

**CRITICAL CARE**

ARDS and Low Tidal Volume Ventilation after Out-of-Hospital Cardiac Arrestr Nicholas J Johnson, MD, Ellen Caldwell, MS (Pulmonary), David J Carlborn, MD (Pulmonary), David F Galeski, MD, Matthew E Srekker, MD, MPH (Hennepin County Medical Center), Thomas D Rea, MD, MPH (GIU), Michael Sayre, MD and Terri Hough, MD, MS

Presenter: Nicholas J Johnson, MD

7:25 to 7:40am

Understanding the mechanisms of platelet dysfunction in trauma-induced coagulopathy

Alexander St. John, MD, Junmei Chen, PhD, Nathan White, MD, Jose Lopez, MD.

Presenter: Alexander St. John, MD

7:40 to 7:55am

Systolic function increases in initial hours after brain injury: Transesophageal Echocardiographic findings in a TBI swine model Adeyinka A Adedipe, MD, RDMs, Alexander St. John, MD, MS, Xu Wang, MD, Nathan White, MD, MS, Vijay Krishnamoorthy, MD, Renata Ferreira, MD, Susan Stern, MD

Presenter: Adeyinka A Adedipe, MD, RDMs

7:55 to 8:10am

Inclined position improves first pass success and laryngoscopic view in patients undergoing endotracheal intubation in the prehospital setting

David L. Murphy, MD; Thomas D. Rea, MD MPH; Andrew M. McCoy, MD, MS; Michael R. Sayre, MD; Carol E. Fahrenbruch, MSPh; Lihua Yin, MBA; Benjamin A. Tonelli, BS; Steven H. Mitchell, MD, FACEP

Presenter: David L. Murphy, MD, R3; Mentor- Steve H. Mitchell, MD, FACEP

8:10 to 8:25am

Trends in Emergency Department Lactate Utilization and Prognostic Accuracy

Benjamin T Friedman, MD, Daniel J Henning, MD, MPH, Arvin Akhavan, MD, Karl Jablonowski, MS, M Kennedy Hall, MD, MHS, Nicholas Johnson, MD

Presenter: Benjamin T Friedman, MD, R3; Mentor- Nicholas Johnson, MD

8:25 to 8:40am

The Problem of Excluding Observation Stays from Readmission

Amber Sabbatini, MD, MPH, Brad Wright, PhD and Aniran Basu, PhD

Presenter: Amber Sabbatini, MD, MPH

8:40 to 8:55am

Ultrasound-Guided Nerve Blocks for Painful Hand Injuries: A Randomized Trial

Arvin R. Akhavan, MD; Caitlin Schrepel, MD; Alexandra Pult-Korenberg, MD, MBA

Presenter: Caitlin Schrepel, MD, R3; Mentors- Michael Vrablik, DO; M. Kennedy Hall, MD, MS

8:55 to 9:10am

Violence in the Emergency Department: An Observational Study

Marie C. Vrablik, MD, MCR, Liza Rosenman, MD, Annie Chipman, MD, MS, Nancy Simcox, MS, Megan Moore, PhD, Rosemarie Fernandez, MD

Presenter: Marie C. Vrablik, MD, MCR

9:10 to 9:20am

**BREAK**

9:20 to 9:35am

Aeromedical Ultrasound for the Evaluation of Pneumothorax and Endotracheal Tube Placement

Ryan Mason, MD, Andrew Latimer, MD, Michael Vrablik DO, Richard Utarnachitt MD, MS

Presenter: Ryan Mason, MD, R4; Mentor-Richard Utarnachitt, MD, MS

9:35 to 9:50am

Wound Care Follow-Up from the Emergency Department Utilizing a Mobile Application: A Feasibility Study

Molly L Tolins, MD, Heathler L. Evans, MD MS, Bill Lober, MD MS, Sophie Morse, Daniel S Hippe, MS, Marie C Vrablik, MD MCR

Presenter: Molly L Tolins, MD, R4; Mentor- Marie C Vrablik, MD, MCR

9:50 to 10:05am

Do you hear what I see? A Randomized trial of phonocardiography to augment cardiac auscultation skills

Bjorn Watsjold, MD, MPH, Jonathan Ilen, MD, MCR, Sandra Monteiro, PhD, Matthew Sibbald, MD, PhD, W. Reid Thompson, MD, Zachary Goldberger, MD, MS, Geoff Norman, PhD

Presenter: Bjorn Watsjold, MD, MPH

10:05 to 10:20 am

**GLOBAL HEALTH**

Impact of a Heat Action Plan on All-Cause Mortality in Ahmedabad, Gujarat, India

Jeremy Hess, MD, MPH, Sahish LM, MS, Kim Knowlton, DrPH, Anjali Jaiswal, JD, Priya Dutta, PhD, Dildeep Malvalankar, MD, PhD

Presenter: Jeremy Hess, MD, MPH

10:20 to 10:35 am

**SOCIAL DETERMINANTS OF HEALTH**

Firearm-Related Injuries Discharged from the Emergency Department: Informing a Social Intervention

David Cheever, MD, MS, Ali Rowhani-Rahbar, MD, PhD, Frederick Rivara, MD, MPH, Jin Wang, PhD, MS, Kevin Haggerty, PhD, Anthony Floyd, PhD, Vivian Lyons, MD, Lauren Whiteside, MD, MS

Presenter: David Cheever, MD, R3; Mentor- Lauren Whiteside, MD, MS

10:35 to 10:50 am

Social Emergency Medicine Symposium: Creating a Curriculum for Physician Advocates

Callan Fockele, MD, MS, David Cheever, MD, Elizabeth Wolpaw, MD

Presenter: Callan Fockele, MD, MS; R2, Mentor- Shane Ruter, MD, Doug Franzen, MD, Med, FACEP and Laura Welsh, MD

10:50 to 11:05 am

**TOXICOLOGY**

Assessing the Prognostic Value of Lactate in the Presence of Ethanol

Arvin Akhavan, MD and Benjamin Friedman, MD, Daniel J Henning, MD MPH; M.Kennedy Hall, MD, MHS; Nicholas J Johnson, MD

Presenter: Arvin Akhavan, MD, R3; Mentors-Daniel J Henning, MD MPH; M.Kennedy Hall, MD, MHS; Nicholas J Johnson, MD

11:05 to 11:10 am

Bayley Dodd

Research Website Update

11:10 to 11:20am

**BREAK (Make your way to Maleng 111-112 for the posters)**

**POSTER SESSION**

Opioid exposures in young children: a retrospective review

Arvin Akhavan, MD, Betty Chen, MD and Matthew Valento, MD

Presenter: Arvin Akhavan, MD, R3; Mentors- Betty Chen, MD and Matthew Valento, MD

Rates of Calls Involving Naloxone to a Single Poison Center

Jake Lebin, MD, Melissa Halliday, MD

Presenter: Jake Lebin, MD, R3; Mentor- Melissa Halliday, MD

Towards a Non-Invasive Cardiac Arrest Monitor

Adeyinka A Adedipe, MD, RDMs, Pierre Mourad, PhD, John Kucewicz, PhD, David Salcido, PhD, Graham Nichol, MD, MPH

Presenter: Adeyinka A Adedipe, MD, RDMs

Damage control resuscitation supplemented with vasopressin in a severe polytrauma model with traumatic brain injury and uncontrolled internal hemorrhage

Nathan J White, MD, J Michael Dickson, B.S., Xu Wang, MD, Alexander E St. John, MD, Esther B Lim, B.S., Susan A Stern, MD

Presenter: J Michael Dickson B.S and Nathan White, MD, MS

Reversal of fibrinolysis by tranexamic acid is dependent upon fibrinogen concentration

Nathan White, MD, MS and Riley Hein

Presenter: Riley Hein and Nathan White, MD, MS

Expanding Screening for Hypoglycemia in the Emergency Department

James Costakis, MD, Nicole Chicoine-Mooney, JD, MD, Patrick Bender, MD, Mesha Thomas, BSN RN, Medley Gatewood, MD

Presenter: Patrick Bender, MD, R3; Mentor: Medley Gatewood, MD

Use of Emergency Medical Services by Law Enforcement

Jared Strote, MD, MS and Riley Hein

Presenter: Jared Strote, MD, MS

Continued on back
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