

**FRIDAY, JANUARY 12**  
**5:15 p.m. – 6:30 p.m.**  
**POSTER SESSION 2 (#119-206)**

**Group 1 Medical**  
**Group Color: Blue**

**#129 A National Description of the Use of Continuous Positive Airway Pressure in the Prehospital Setting**

Rebecca Cash, Remle Crowe, Jeremiah Kinsman, Madison Rivard, Dave Bryson, Gamunu Wijetunge, Ashish Panchal, National Registry of Emergency Medical Technicians

**#142 Reducing 9-1-1 Over-utilization through a Targeted Community Paramedic Hospice Referral Program**

Peter Antevy, Kenneth Schepke, Juan Cardona, Susan Toolan, Sharon Maraj, Frank Babinec, Julie Corona, Paul Pepe, Memorial Healthcare System

**#153 Complications with Use of a Transport Ventilator with a King-LTD Based on Peak Airway Pressure**

Leonard Weiss, Gabriel Diamond, Thomas Segerson, Justin Talarico, Francis Guyette, Christian Martin-Gill, University of Pittsburgh Department of Emergency Medicine

**#159 A Descriptive Analysis of Patients Administered Naloxone by Prehospital Providers**

Eric Cortez, Kaitlin Bowers, Judd Shelton, Andrew Little, Robert Lowe, Sam Kotran, Ohio Health Doctors Hospital

**#160 Can Grip Technique and Bag Size Improve Volume Delivered with a Bag-Valve-Mask by EMS Providers?**

Melissa Kroll, Jyotirmoy Das, Jeffrey Sielger, Washington University/ Barnes-Jewish Hospital

**#161 Retrospective Refinement and Validation of a Hypoglycemia Decision Tool for Paramedics**

Julie Sinclair, Michael Austin, Shannon Leduc, Zachary Cantor, Richard Dionne, Penny Price, Justin Maloney, Andrew Reed, Andrew Willmore, Valerie Charbonneau, Christian Vaillancourt, Regional Paramedic Program for Eastern Ontario

**#162 Fall Risk Inventory by Paramedics Predicts Future Hospitalization and ED Utilization by Elders**

Ryan Carter, Joanne McGovern, James Dziura, Fangyong Li, Geliang Gan, David Cone, Sandy Bogucki, Yale University

**#176 A Descriptive Analysis of Patients Transported Via Ground and Air Critical Care Teams On Extracorporeal Membrane Oxygenation (ECMO)**

Matthew Sztajnkrzyer, Ryan Sherden, Meghan Lamp, Kathleen Berns, David Claypool, Mayo Clinic

**#177 Does Prehospital Mode of Arrival Influence Women's Decisions to Participate in Research?**

Madeline Karafanda, Martina Anto-Ocrah, Vivian Lewis, Todd Jusko, Jeff Bazarian, Edwin van Wijngaarden, Courtney Jones, Department of Environmental Health

**#180 Is Door-to-Needle Time Reduced for EMS Transported Stroke Patients Routed Directly to the CT Scanner on ED Arrival?**

Bryan Sloane, Nichole Bosson, Jeffrey Saver, Nerses Sanossian, Marianne Gausche-Hill, Harbor-UCLA Medical Center

**Group 2 Student, Resident, Fellow**  
**Group Color: Dark Green**

**#119 Evaluating the Incorporation of a Journal Club Series into Paramedic Initial Education**

Lauren Maloney, Paul Werfel, Robert Marshall, Scott Johnson, Stony Brook University Department of Emergency Medicine

**#131 Paramedics Providing Palliative Care at Home: Management of Pain and Breathlessness**

Brianne Robinson, Alix Carter, Judah Goldstein, Michelle Harrison, Marianne Arab, Dalhousie University

**#132 Ketamine Indications in Statewide Treatment Protocols**

Christie Fritz, Christina Loporcaro, David Schoenfeld, Beth Israel Deaconess Medical Center/Harvard Medical School

**#133 Manual Syringe Aspiration and Administration of Epinephrine by Emergency Medical Technicians for Prehospital Treatment of Anaphylaxis**

Andrew Latimer, Sofia Husain, Jonathan Nolan, Vinod Doreswamy, Thomas Rea, Michael Sayre, Mickey Eisenberg, University of Washington Department of Emergency Medicine

**#134 Timely Treatment of Tiny Tummys: The Use of Oral Ondansetron in the Prehospital Environment**

Kelly Meehan-Coussee, Abhijit Srungavarapu, MS, John Martel, MD, PhD, FACEP, Michael Bohanske, MD, J. Matthew Sholl, MD, MPH, FACEP, Tania Strout, PhD, RN, MS, Maine Medical Center Emergency Medicine Division of EMS, Tufts University

**#135 Use of a Community Paramedicine Program to Address High Utilizers of the 911 System**

Thomas Grawey, Mario Colella, Steven Riegg, Michael Wright, Medical College of Wisconsin

**#141 Heat Index Is the Main Factor Influencing Rates of Patient Presentation at East Carolina University Football Games**

An Truong, Stephen Taylor, Roberto Portela, Kori Brewer, Brody School of Medicine at East Carolina University

**#146 Can Prehospital Providers Correctly Triage Patients to Freestanding Emergency Departments?**

Charles Hwang, Desmond Fitzpatrick, Jason Jones, University of Florida Department of Emergency Medicine

**#157 Incidences of Adverse Reactions Secondary to the Administration of Hydroxocobalamin for Suspected Cyanide Poisoning in the Prehospital Setting**

Albert Arslan, Doug Isaacs, Pamela Lai, Matthew Melamed, Glenn Asaeda, David Prezant, Fire Department City of New York & Northwell Health EMS Fellowship

**#167 Paramedics Can Successfully Perform Cardiac Ultrasonography Utilizing the Parasternal Long Axis Approach**

John Reynolds, Juan March, Roberto Portela, Steven Taylor, Bryan Kitch, Department of Emergency Medicine, Division of EMS, Brody School of Medicine, East Carolina

## **Group 3 Professional/Student, Resident, Fellow**

### **Group Color: Fuchsia (Dark Pink)**

#### **#126 Community Paramedic Point of Care Blood Analysis: Validity and Usability Testing of Two Commercially Available Devices**

Ian Blanchard, Ryan Kozicky, Dana Dalgarno, Stacy Goulder, Suzanne Snozyk, Karen Leaman, Susan Biesbrook, Lenore Page, Lyle Redman, Keith Spackman, Tyler Williamson, Eddy Lang, Christopher Doig, Gerald Lazarenko, Alberta Health Services/University of Calgary

#### **#151 Development and Validation of Reality-Based Training Scenarios Simulating Violent EMS Encounters**

Mallory DeLuca, Donald Garner, Jr., Remle Crowe, Rebecca Cash, Madison Rivard, Jefferson Williams, Ashish Panchal, Jose Cabanas, Wake County EMS

#### **#192 Social Connectedness and Coping Styles in EMS Workers and Their Association with Burnout and Perceived Stress**

Lori Boland, Pamela Mink, Jonathan Kamrud, Jessica Jeruzal, Russell Myers, Charles Lick, Andrew Stevens, Allina Health Emergency Medical Services

#### **#193 Impact of the Implementation of a Critically Ill Patient Bundle of Care on the Performance of Key Medical Interventions for Respiratory Distress Patients by Paramedics in the Field**

Mark Pinchalk, Mark Tomassi, Roth Ronald, Jeffery Reim Jr., James Dlutowski, Simon Taxel, Thomas Goode, City of Pittsburgh EMS

#### **#169 A Qualitative Study of Emergency Medical Technician and Patient Perspectives on the Transport PLUS program**

Hayley Neher, Ksenia Gorbenko, Nadir Tan, Diana Grigoriou, Hugh Chapin, Lynne Richardson, Ula Hwang, Kevin Munjal, Icahn School of Medicine at Mount Sinai

#### **#170 Am I Awake: Lack of Sedation Protocols for Intubated Patients during Transport in Statewide Treatment Protocols**

Christina Loporcaro, David Schoenfeld, Beth Israel Deaconess Medical Center/Harvard Medical School

#### **#171 The Prevalence of Recurring Patient Encounters that Require Administration of Prehospital Naloxone: A Retrospective Chart Review**

Thomas Dykstra, Jen Knapp, Patrick Dugan, Rhees Nickel, City of Fort Wayne, EMS Foundation Chair

#### **#172 Pharmacologic Opioid Alternatives for Pain Control in Statewide Treatment Protocols**

Christie Fritz, Christina Loporcaro, David Schoenfeld, Beth Israel Deaconess Medical Center/Harvard Medical School

#### **#184 Most Civilian Prehospital Care Providers Require Additional Wound Packing Training and Protocols**

Mark Liao, Daniel O'Donnell, Thomas Lardaro, Indiana University

#### **#189 Assessment of Emergency Medical Services Provider Research Literacy and Involvement**

Lauren Maloney, Robert Marshall, Henry Thode Jr, Adam Singer, Scot Johnson, Stony Brook University Department of Emergency Medicine

#### **#194 Tracking Violations of Newly Implemented Behavioral Emergency Treatment Protocol**

Timothy Lynch, Christie Fritz, David Schoenfeld, Beth Israel Deaconess Medical Center / Harvard Medical School

## **Group 4 Medical/Operations, Quality, Safety Systems**

### **Group Color: Light Green**

#### **#195 Emergency Physician Telehealth Dispositions of Low-Acuity 911 Patients**

Michael Gonzalez, David Persse, Guy Gleisberg, Karen DuPont, Andrew Kincannon, Houston Fire Department

#### **#204 Change in the Utilization of Emergency Care after Establishment of Emergency Centre in Yaoundé, Cameroon: A Before and After Cross-sectional Analysis**

So Yeon Kong, Sang Do Shin, Young Sun Ro, Yun Jeong Kim, Joong Sik Jeong, Dae Han Wi, Seoul National University Hospital

#### **#205 Prehospital Push Dose Epinephrine In Hypotension**

Mark Merlin, Navin Ariyakarai, Amundee Tagore, Matthew Harris, Andrew Parrish, Josh Schwarzbaum, Alex Torres, Michael Carr, Susmith Koneru, Newark Beth Israel Medical Center/RWJBarnabas-MONOC

#### **#206 Accuracy of Stroke Dispatch by a Large Urban EMS Dispatch System**

Thomas Lardaro, Dustin Holland, Tom Arkins, Dan O'Donnell, Indiana University School of Medicine

#### **#122 Supraglottic Airway Utilization vs. Endotracheal Intubation Pre/Post Deployment of the i-gel LMA in a Large Ground and Air-based EMS Service**

John Lyng, Michael Perlmutter, Alex Trembley II, Marc Conterato, Michaela West, North Memorial Health Ambulance and Air Care

#### **#123 I Love My Community Paramedic: Patients Report Overwhelming Satisfaction with Community Paramedic Program**

Tia Radant, Paula Miller, Joseph Pasquarella, Ann Majerus, Jennifer Murphree, Stephen Bloomstrand, Aaron Burnett, Regions Hospital EMS

#### **#47 Simple Feedback Form Improves Quality of Out-of-Hospital CPR**

Ben Weston, Jamie Jasti, Melissa Mena, Jackson Unteriner, Kelly Tilotson, Ziyang Yin, Mario Colella, Tom Aufderheide, Medical College of Wisconsin

#### **#127 Characteristics of Paramedic Graduates Who Retest after an Unsuccessful Attempt on a National Cognitive Examination**

Ashley Larrimore, Rebecca Cash, Remle Crowe, Madison Rivard, William Krebs, Jeremy Miller, Ashish Panchal, Department of Emergency Medicine, The Ohio State University Wexner Medical Center

#### **#136 Understanding How Transactional Stress Relates to Stress Reactions and Safety Outcomes**

Elizabeth Donnelly, Paul Bradford, Cathie Hedges, Matthew Davis, Doug Socha, Peter Morassutti, University of Windsor

#### **#148 Randomized Trial of a Shear Reduction Surface in Ambulance Transport**

Kathleen Berns, Ann Tescher, Lucas Myers, Patrick Koehler, Kip Salzwedel, Heather McCormack, Marianne Russon, Josh Burton, Christine Lohse, Jay Mandrekar, Evan Call, Scott Zietlow, Mayo Clinic

## **Group 5 Cardiac/Operations, Quality, Safety Systems**

### **Group Color: Orange**

#### **#179 Removal of Left Bundle Branch Block from Prehospital ST-Elevation Criteria Decreases Number of Unnecessary Cath Lab Activations**

Rachel Semmons, Elizabeth Mannion, Andrew Thomas, Quinn Frier, Jason Wilson, Cory Thomas, Tampa Fire Rescue, University of South Florida

#### **#186 Early Double Sequence Defibrillation Improves Outcomes in Refractory Ventricular Fibrillation**

Matthew Harris, Ronald Klebacher, Joshua Schwarzbaum, Andrew Parrish, Michael Carr, Andrew Torres, Navin Ariyakalai, Amundep Tagore, Eric Wasserman, Bauter Robert, Mark Merlin, Newark Beth Israel Medical Center

#### **#190 Can Heart Rate Variability Risk Stratify Patients with Undifferentiated Non-traumatic Chest Pain?**

Juan March, Carmon Russoniello, Nicholas Murray, Walter Robey, East Carolina University Department of Emergency Medicine Division of EMS

#### **#191 Correlation of EEG-based Brain Resuscitation Index and End tidal CO<sub>2</sub> in Porcine Cardiac Arrest Model**

Dongsun Choi, Hee Jin Kim, Taehan Kim, Ki Jeong Hong, Young Sun Ro, Kyoung Jun Song, Hee Chan Kim, Shin Sang Do, Seoul National University Hospital, Department of Emergency Medicine

#### **#203 Relationships between Right Atrial and Aortic Pressures and Jugular and Carotid Flows Respectively in a Swine Model of Asphyxial Pseudo-Pulseless Electrical Activity**

Norman Paradis, Karen Moodie, Sarah Crockett, Jeffrey Gould, Christopher Kaufman, Dartmouth-Hitchcock Medical Center

#### **#174 A Nationwide Quality e-Registry for Dispatcher-assisted Cardiopulmonary Resuscitation (DACPR) of Out-of-Hospital Cardiac Arrest (OHCA) – the Design for Structured Measurement**

Patrick Chow-In Ko, Mei-Fen Yang, Kah--Meng Chong, Hui-Chih Wang, Chien-Hsin Lu, Chih-Hao Lin, Yen-Bing Chen, Yen-Ho Yang, Ming--Shian Lee, Wen-Chih Chou, Chih-Chiang Cheng, Wen-Long Chen, National Taiwan University, College of Medicine, Department of Emergency Medicine

#### **#201 Association of Case Volume Per Ambulance Station with Outcome of Out-of-Hospital Cardiac Arrest (OHCA)**

Tae Han Kim, Sang Do Shin, Kyoung Jun Song, Ki Jeong Hong, Young Sun Ro, So Yeon Kong, Seoul National University Hospital, Department of Emergency Medicine

#### **#130 Association between BMI and Return of Spontaneous Circulation in Out-of-Hospital Cardiac Arrest**

Caitlin Howard, Jeremy Allen, David Wampler, Hattie McAviney, Justin Smith, David Miramontes, Joan Polk, United States Army and UTHSCSA

#### **#166 Paramedics' Perceptions of Focused Point of Care Cardiac Ultrasound**

John Reynolds, Juan March, Roberto Portela, Steven Taylor, Bryan Kitch, Department of Emergency Medicine, Division of EMS, Brody School of Medicine, East Carolina

#### **#182 Association between BMI and Prehospital Selection of Advanced Airway in Out-of-Hospital Cardiac Arrest**

Caitlin Howard, David Wampler, Jeremy Allen, Hattie McAviney, Justin Smith, David Miramontes, Joan Polk, United States Army and UTHSCSA

## **Group 6 Pediatric/Student, Resident, Fellow**

### **Group Color: Pink**

#### **#163 Factors Associated with a Good Outcome Following Pediatric Out-of-Hospital Cardiac Arrest in the Years Following the 2010 Resuscitation Guidelines**

Paul Banerjee, Paul Pepe, Amninder Singh, Latha Ganti, Polk County Fire Rescue, Polk County, FL

#### **#164 Adherence to Quality CPR Principles during the EMS to ED Handoff in Simulated Pediatric Cardiac Arrest**

Ariel Cohen, Jen Anders, Jordan Duval-Arnould, University of California, San Diego

#### **#165 Factors Associated with Pediatric Interfacility Transfer from Emergency Departments**

Ali Aledhaim, Jon Mark Hirshon, Jennifer Fishe, Jennifer Anders, University of Maryland Department of Emergency Medicine

#### **#178 Pediatric Bypass: Characteristics and Effects on EMS Resources**

Jennifer Fishe, Kevin Psoter, Kyle Fratta, Carla Tilchin, Jennifer Anders, University of Florida College of Medicine - Jacksonville

#### **#188 Quantifying EMS Resource Allocation for Pediatric Transports**

Jennifer Anders, Jennifer Fishe, Kevin Psoter, Carla Tilchin, Kyle Fratta, Johns Hopkins University School of Medicine

#### **#198 The Variability of California Local EMS Agencies' Pediatric Respiratory Distress Protocols and Their Corresponding Level of Evidence**

Jennifer Farah, J. Joelle Donofrio, Nicholas Aldridge, University of California, San Diego

## **Group 7 Operations, Quality, Safety Systems**

### **Group Color: Purple**

#### **#149 Sleep Disorders Are Common Risk Factors for Occupational Injury**

Matthew Weaver, Jason Sullivan, Conor O'Brien, Salim Qadri, Charles Czeisler, Laura Barger, Brigham and Women's Hospital and Harvard Medical School

#### **#152 Paramedics Providing Palliative Care at Home: An Evaluation of Paramedic Comfort and Confidence in Providing Palliative Support**

Alix Carter, Judah Goldstein, Marianne Arab, Michelle Harrison, Wilma Crowell, Katherine Houde, Jan Jensen, Mireille Lecours, James Sullivan, Carolyn Villard, Kathryn Downer, Dalhousie University

#### **#156 The Use of Airway Simulation Scenarios to Augment Systemic Quality Improvement Initiatives in a Fire-Based EMS Agency**

Eric Cortez, Tyler Smith, Andrew Little, Rich Latham, William Krebs, James Davis, David Keseg, Ohio Health Doctors Hospital

#### **#173 The Heavy Lift: Impact of a Regional Bariatric Transport Program**

Gerald Wydro, Larry Loose, Alvin Wang, Aria Jefferson Health Department of Emergency Medicine

#### **#185 Transport Determinates for Continuing Care Residents Assessed by an EMS Urgent Response Team: A Retrospective Observational Study**

Kevin Lobay, Robyn Palmer, Lorissa Mews, Robert Sharman, Brian Boswell, Priya Jaggi, University of Alberta Department of Emergency Medicine

**#187 Prehospital Online Medical Oversight (PROMO) An Analysis of the Interaction between Emergency Room Physicians and Paramedics**

Jason Prpic, Alicia Violin, Sylvie Michaud, Nicole Sykes, Paul Myre, Health Sciences North Centre for Prehospital Care

**#196 A Novel Measure to Capture Transactional Stress in Paramedic Services**

Elizabeth Donnelly, Paul Bradford, Cathie Hedges, Matthew Davis, Doug Socha, Peter Morassutti, University of Windsor

**#197 Review of Emergency Medical Services (EMS) Transports to a Freestanding Emergency Department (FSED)**

Matthew Chinn, Brittany Farrell, M. Riccardo Colella, Medical College of Wisconsin

**#199 Early Impact of an Emerging MIH Program for 9-1-1 High Utilizers**

Jon Ehrenfeld, Ashley Clayton, Catherine Counts, PhD, MHA, Michael Sayre, MD, Seattle Fire Department

**#200 Urban Law Enforcement Naloxone Deployment for Treatment of Suspected Out-of-Hospital Opioid Overdoses: A Pilot Program**

Eric Cortez, David Keseg, James Davis, Kenneth Kuebler, Ashish Panchal, Ohio Health Doctors Hospital

**Group 8 Cardiac  
Group Color: Red**

**#120 Double-Sequential Defibrillation: Efficacy and Risk of Defibrillator Damage Are Highly Dependent on the Choice of Shock Timing and Shock Vectors**

Tyson Taylor, Sharon Melnick, Fred Chapman, Gregory Walcott, Physio-Control, Inc.

**#125 The Effect of Transport Time Interval on Neurological Recovery after Out-of-Hospital Cardiac Arrest in Patients without a Prehospital Return of Spontaneous Circulation**

Jeong Ho Park, Yu Jin Kim, Young Sun Ro, Sola Kim, Sang Do Shin, Kyung Jun Song, So Yeon Kong, Ki Jeong Hong, Sun Young Lee, Department of Emergency Medicine, Seoul National University Hospital

**#128 Interaction Effect between Bystander Cardiopulmonary Resuscitation and Community Urbanization Level on Outcomes after Out-of-Hospital Cardiac Arrest**

Jeong Ho Park, Young Sun Ro, Sang Do Shin, Kyung Jun Song, Ki Jeong Hong, So Yeon Kong, Dong Sun Choi, Gwan Jin Park, Department of Emergency Medicine, Seoul National University Hospital

**#139 Development of a Hypoxic Asphyxial Model of Pseudo-Pulseless Electrical Activity in Swine**

Norman Paradis, Sarah Crockett, Jeffrey Gould, Christopher Kaufman, Karen Moodie, Dartmouth-Hitchcock Medical Center

**#140 Characteristics of Acute Myocardial Infarction Cases Coded as Low-Acuity at Dispatch**

Marie Gardett, Greg Scott, Chris Olola, Meghan Broadbent, International Academies of Emergency Dispatch

**#147 Outcome Impacts of Community Bystander Defibrillation versus Dispatcher-assisted CPR (DA-CPR) in Out-of-Hospital Cardiac Arrest at Public Locations**

Patrick Chow-In Ko, Shih-Chieh Huang, Yu-Wen Chen, Hong-Yi Hsiao, Matthew Huei-Ming Ma, Chung-Liang Shih, National Taiwan University, College of Medicine, Department of Emergency Medicine

**#154 The Effect of IV Versus IO Access in Prehospital Cardiac Arrest ROSC Rates**

Colby Redfield, Stephen Suarez, Jessica Daniels, Cristina Sanchez, Heidi Siples, Kim Landry, Leon County EMS

**#155 Type of Airway Device Does Not Affect Physiologic Markers in Patients Undergoing Mechanical CPR: The Prehospital Airway and Mechanical CPR Evaluation Study**

Torben Becker, Arjun Prabhu, Aric Berning, Clifton Callaway, Francis Guyette, Christian Martin-Gill, Torben Becker, University of Florida

**#158 BIS: Bispectral Index Monitoring for Patients during Out-of-Hospital Cardiac Arrest**

Ralph Frascone, Jeffrey Anderson, Joseph Pasquarella, Nicholas Loken, Sandi Wewerka, Regions Hospital EMS

**#168 Increasing Cardiac Arrest Survival through a Novel Dispatcher CPR Instruction Program**

Brittany Farrell, E. Brooke Lerner, M. Riccardo Colella, Kenneth Sternig, Lesley Simley, Christine Westrich, Charles Cady, Medical College of Wisconsin

**Group 9 Student, Resident, Fellow/Trauma  
Group Color: Yellow**

**#145 Stop the Bleed: The Effect of Hemorrhage Control Education on Laypersons' Willingness to Respond during a Traumatic Medical Emergency**

Derek Brown, Elliot Ross, Theodore Redman, Julian Mapp, Kaori Tanaka, Chetan Kharod, Craig Cooley, David Wampler, SAUSHEC Military EMS & Disaster Medicine Fellowship

**#121 Biometric Analysis of Thoracolumbar Movement during Ambulance Transport**

David Wampler, Ronald Stewart, Rena Summers, Lawrence Roakes, Mike Shown, Craig Cooley, Chetan Kharod, Tasia Long, Brian Eastridge, The University of Texas Health Science Center at San Antonio

**#138 Validation of a Pre-hospital Falls Risk Assessment Tool**

Allison Infinger, Meghan Wally, Rachel Seymour, Jonathan Studnek, Mecklenburg EMS Agency

**#143 Prehospital Provider Year of Hire Correlates to Time Spent On-Scene in Emergent Trauma**

Clark Smith, Steven Hulac, Spencer Knierim, Zachary McDade, David Edwards, Denver Health and Hospital Authority

**#144 Benchmarking EMS Compass Trauma Scene Times and Traumatic Pain Management Performance Measures Using a National Dataset**

Jeffrey Jarvis, Dustin Barton, Lauren Sager, Nick Nudell, Williamson County EMS

**#150 The Effectiveness of Manual Ventilation in Intubated Helicopter EMS Transported Trauma Patients**

Timothy Lenz, Brett McLachlan, Craig Bilbrey, Keith Mausner, Medical College of Wisconsin

**#175 Pilot Randomized Control Trial of Pelvic Binder Compared to Standard Care in Prehospital Patients with a Suspected Pelvic Fracture**

Jonathan Studnek, Allison Infinger, Meghan Wally, Sarah Pierrie, Malcolm Leirmoe, Joseph Hsu, Rachel Seymour, Mecklenburg EMS Agency



**#183 Development of Modified Trauma and Injury Severity Score Model to Predict Disability for Acute Trauma Patients**

Ki Jeong Hong, Sang Do Shin, Kyoung Jun Song, Young Sun Ro, So Yeon Kong, Tae Han Kim, Jeong Ho Park, Department of Emergency Medicine, Seoul National University Boramae Medical Center

**#202 Resource Utilization and Clinical Outcomes of Older Adult EMS Patients with Traumatic Brain Injury who were Transferred to a Level I Trauma Center**

Courtney Jones, Vasisht Srinivasan, Jeremy Cushman, Julius Cheng, Timmy Li, Suzanne Gillespie, Martina Anto-Ocrah, Nancy Wood, Heather Lenhardt, Ann Dozier, Jeffrey Bazarian, Manish Shah, University of Rochester, School of Medicine and Dentistry