



Monday, October 25, 2021

10:30 – 11:30 am

Abstract Session: Disaster Medicine/EMS

BCEC 152

- 3 The Updated NYC EMS Acute Stroke Triage Protocol Reduces Interfacility Transfers and Time to Endovascular Thrombectomy for Large Vessel Occlusion Patients - *Morey, J, Icahn School of Medicine at Mount Sinai*
- 4 Outcomes Following Consultation with On-Line Medical Control During Out-of-Hospital Cardiac Arrest in the Portland Metropolitan Area - *Zimmerman, T, Department of Emergency Medicine, Oregon Health and Science University*
- 7 Impact of a Hospital Cyberattack on EMS Arrivals at Neighboring Emergency Departments - *Dameff, C, University of California San Diego Department of Emergency Medicine*
- 8 What's Taking So Long – A Retrospective Review of Factors Influencing Bedside Time in Interfacility Transfer - *Berkowitz, J, Northwell Health, New York*

Abstract Session: Education

BCEC 154

- 9 Are there positive deviant providers in the speed of ordering antibiotics for sepsis? - *Sarani, N, Kansas University Medical Center*
- 10 Resident Confidence Ratings Reinforce High Proportions of Pediatric and HALO events in an Emergency Medicine Simulation Curriculum - *Paddock, D, Rush Medical College*
- 11 What Medics Want: Analysis of Feedback and Patient Follow-up Requests from Prehospital Providers at an Academic Emergency Department- *McGuire, S, Mayo Clinic*
- 14 Is Coaching Using Video Laryngoscopy Superior to Traditional Method for Improving Pediatric Intubation Skills? - *Yang, C, University of Utah*

Abstract Session: Public Health/Injury/Illness Prevention

BCEC 157

- 15 Physician Assistant Malpractice Trends in Emergency Medicine - *Wu, F, University of California San Francisco (UCSF) – Fresno*
- 16 Characteristics of traumatic and non-traumatic ophthalmic presentations to United States Emergency Departments - *Wang, P, Cleveland Clinic Lerner College of Medicine, Case Western Reserve University, Cleveland, Ohio*

Content up to date as of 9/30/2021. Please check the ACEP21 conference app for the most up-to-date information.

- 18 Workplace Violence Reporting Behaviors in Emergency Departments across a Health System - *McGuire, S, Mayo Clinic*
- 19 A Comparative Analysis on Fertility Success Among Physician Specialties - *Pfennig, C, Prisma Health Upstate/ University of South Carolina School of Medicine Greenville*
- 20 The Effect of Peer Recovery Coaches on Emergency Department Utilization by Patients with Substance Use Disorders - *Lukacs, T, Good Samaritan Hospital*

11:30 – 12:30 pm

Abstract Session: Neurology

BCEC 152

- 24 Route of administration and drug class are correlated with length of stay in primary headache emergency department visits - *Wang, P, Cleveland Clinic Lerner College of Medicine, Case Western Reserve University*
- 25 Incidence of Clinically Significant Aneurysm Requiring Neuro-intervention in Patients Who Received Computed Tomography Angiography For Stroke Like Symptoms - *Vigh, N, Good Samaritan Hospital*
- 26 AHORA: A Spanish Language Stroke Symptom Identification Tool - *Weech, M, Lakeland Regional Medical Center*

Abstract Session: Geriatrics/Palliative

BCEC 154

- 27 Thromboelastography May Help Identify Anticoagulant or Antiplatelet Effects in Geriatric Traumatic Brain Injury Patients - *Solano, J, Florida Atlantic University*
- 28 Geriatric emergency department accreditation accelerates integration of geriatric care at the Veterans Health Administration - *Mcquown, C, Louis Stokes Cleveland VA Medical Center*
- 29 Comparison of Risk Factors and Outcomes for Blunt Trauma Patients on Anticoagulants or Antiplatelet Agents Evaluated in Urban and Suburban Settings - *Beyer, M, Henry Ford Hospital*
- 30 Characteristics of Patients Restrained in the Emergency Department and Evaluation for Disparities in Care - *Stillman, K, Cedars-Sinai Medical Center*
- 31 Identifying and Responding to Elder Mistreatment in the Emergency Department: Results from a Multi-Site Feasibility Study - *Lees Haggerty, K, Education Development Center*
- 32 Validation of the Admission for Geriatric patients in the Emergency Department (AGED) Algorithm - *Serina, P, Northwestern University*

Abstract Session: COVID

BCEC 157

- 33 Forecasting Daily Patient Arrivals during COVID-19 in Emergency Departments: A Deep Learning Approach - *Miller, J, Henry Ford Hospital*
- 34 Prolonged N-95 Mask Use Did Not Result in Carbon Dioxide Retention or Clinically Significant pH Changes in One Cohort of Health Care Workers - *Radio, J, University of Nebraska Medical Center*
- 35 Impact Of COVID-19 On Surgical Cases Referred from the ED In A Tertiary County Hospital in the US - *Kim, S, University of Texas at Southwestern*

Content up to date as of 9/30/2021. Please check the ACEP21 conference app for the most up-to-date information.

- 36 Emergency Department Visits for Pulmonary Embolism and Deep Venous Thrombosis After the Arrival of Covid-19. - *Eskin, B, Morristown Medical Center*
- 284 An Analysis of a Novel Telemedicine Intervention to Decrease ED visits in a County Hospital System - *Rogg, J, McGovern Medical School at UTHHealth*
- 290 A Novel Triage and Evaluation Process During the COVID-19 Pandemic - *Leubitz, A, Good Samaritan Hospital*

12:30 – 1:30

Brooks F. Bock Lecture and Abstract Session

BCEC 253 ABC

AFFIRMing our Lane: The Tole of Emergency Physicians in Preventing Firearm Injury Ranney, M, Brown University

- 1 Gunshot Wound Case Clustering and Response/Transport Time Variation in an Urban EMS System: A Geospatial Analysis *Gangidine, M, Denver Health Medical Center*
- 2 Training Emergency Physicians for Mass Casualty Triage during Mass Shooting Events: A New York City-based Pilot Curriculum *Reilly, M, New York Medical College*

Abstract Session: Resuscitation/Critical Care

BCEC 152

- 39 The Impact of Comorbidities on Mortality in Pre-Shock Sepsis *Shawver, L, Wayne State University School of Medicine*
- 41 The Need for Speed- Rapid Infusion Catheters versus Central Venous Catheters for large volume infusions: a preliminary study and literature review. *Greer, C, University of Kentucky*
- 42 Improving Patient Selection in International Pediatric ECPR Cohorts *Sood, N, Medical College of Georgia*
- 43 The Importance of Intraosseous (IO) Placement Location on Infusion Rates and Infusion Pressures in a High Bone Density Humerus and Sternum Cadaveric Swine (Sus Scrofa) Model *Gehrz, J, Naval Medical Center San Diego*
- 211 Long Term Effects of Mobile Health and Augmented Social Support on Emergency Department Patients With Diabetes *Burner, E, University of Southern California*
- 292 First Pass Success in Adverse Events in the Emergency Intubation of Children *McCormick, T, Denver Health*

Abstract Session: International/Global

BCEC 154

- 45 The Effect of Language on the Management of Appendicitis *Chang, K, New York Presbyterian Queens*
- 46 External Validation of a Singapore Electronic Health Record Based Emergency Department Admission Prediction Model in a North American Setting *Davis, C, Duke University School of Medicine*
- 47 Building a Virtual Community of Global Emergency Medicine Mentorship and Learning - ACEP & EMRAs' Global Emergency Medicine Student Leadership Program (GEMS-LP) *Pickering, A, University of Maryland School of Medicine, Department of Emergency Medicine*
- 49 Telemedicine at Sea: What information is helpful beyond voice and text? *Haile-Mariam, T, George Washington University*

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- 166 Predicting Food Insecurity among Older Adults in the Emergency Department *Mehta, A, University of North Carolina at Chapel Hill*

Abstract Session: Wellness

BCEC 157

- 50 Depression in Emergency Department Healthcare Workers During the COVID-19 Outbreak in Brooklyn, NY *Gao, H, Temple University*
- 51 Shift Happens: Emergency Physician Perspectives on Fatigue and Shift Work *Hirsh, E, Prisma Health*
- 52 Is Working in the Emergency Department Hazardous to your Health? Psychological and Physical Features of Emergency Staff during the COVID-19 Pandemic *Chang, B, Columbia University*
- 53 Continued Resident Depression, Anxiety and Stress Despite Declining Covid Numbers and Increasing Vaccination Rates *Mekaeil, V*
- 55 Faculty and Resident Wellness After a Difficult Year *DeLong, C*

1:30 – 2:30

State-of-the-Art I: The continuum from opioid deprescribing to managing opioid use disorder in the ED
BCEC 157

Lagina, A, Nelson, L, Perrone, J

2:30 – 3:30

Plenary Session I: Late Breaking Research in Emergency Care

BCEC 157

- 57 EMBED: A pragmatic trial of user-centered clinical decision support to implement Emergency department-initiated Buprenorphine for opioid use Disorder *Melnick, E, Yale School of Medicine*
- 58 Using Machine Learning to Predict Hospital Disposition with Geriatric Emergency Department Innovations Intervention *Bunney, G, Northwestern University*
- 59 Artificial intelligence occult sepsis detection in the emergency department: A large, multicenter real world data study *Peacock, W, Baylor College of Medicine*
- 60 Telemedicine Critical Care for Rural Hospitals During the COVID-19 Pandemic *Lyon, M, Augusta University*

3:30 – 4:30

Abstract Session: Trauma

BCEC 152

- 62 Comparative Analysis of Digital Camera Systems for the Documentation of Anogenital Injuries Following Sexual Assault *Jones, J, Spectrum Health - Michigan State University Emergency Medicine Residency Program, Grand Rapids*
- 63 Topical use of Tranexamic Acid in the Emergency Department *Collier, C, Amita Health Resurrection Medical Center*

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- 65 External Validation And Comparison Of Three Predictive Tools To Identify Low-Risk Patients With Isolated Subdural Hematomas *Rogers, A, Northwestern University Department of Emergency Medicine*
- 66 Prediction of Hospitalization and Mortality Based on Emergency Medical Services-Recorded Criteria from the 2011 Centers for Disease Control and Prevention Guidelines for Field Triage of Injured Patients *Fernandez, A, ESO*
- 182 A Multi-center Randomized Trial of Capsule Endoscopy to Reduce Admissions in ED Patients with Low Risk Upper GI Bleed *Meltzer, A, George Washington University School of Medicine and Health Sciences*

Abstract Session: Toxicology/Pharmacology/Social Determinants of Health

BCEC 154

- 67 Risk Based Assessment of the Opioid Crisis in Philadelphia, Pennsylvania Utilizing Global Information Systems (GIS) as a Template for Public Health Reform *Ford, J, Philadelphia College of Osteopathic Medicine*
- 68 High First Dose Buprenorphine to Accelerate Induction in Emergency Department Opioid Use Disorder Patients *Herring, A, Alameda Health System--Highland Hospital*
- 69 Initiation of an Emergency Department Buprenorphine Induction and Medication-Assisted Treatment Referral Program in the COVID-19 Pandemic *Lewandowski, D, Henry Ford Hospital*
- 70 Improving Access to Naloxone and Opioid Resources through the Emergency Department *Steenblik, J, University of Utah*
- 71 Adulteration of Illicit Drugs in ED Patients with Acute Opioid Overdose: A Multicenter Cohort *Levine, M, University of California, Los Angeles*
- 72 Orally Dissolving, Thin Film Dexmedetomidine (BXCL501) Demonstrates Significant Reduction in Agitation Across a Range of Agitation Severity in Patients with Schizophrenia and Bipolar Disorder *Zeller, S, Vituity*

Abstract Session: Wilderness Medicine/EMS

BCEC 157

- 74 Patient Perceptions of Drive Through Medical Treatment Facilities during the COVID-19 Pandemic *Mandichak, S, Naval Medical Center Portsmouth*
- 75 Impact of lighting conditions of procedural competence with emergency cricothyrotomy *Treager, C, Naval Medical Center Portsmouth*
- 76 Most Rattlesnake Envenomation Patients Receive Multiple Doses of Antivenom *Lavonas, E, Rocky Mountain Poison and Drug Safety*
- 77 Using Mobile Integrated Health and Telehealth to Support Transitions of Care among Heart Failure Patients: Mighty Heart Study Protocol *Daniels, B, Weill Cornell Medicine*
- 78 Physiologic Monitoring For Central Nervous System Oxygen Toxicity In Working Divers *Ellis, M, Duke University Hospital*

4:30 – 6:00

Medical Student and Resident Award Competition

BCEC 157

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- 3 The Updated NYC EMS Acute Stroke Triage Protocol Reduces Interfacility Transfers and Time to Endovascular Thrombectomy for Large Vessel Occlusion Patients *Morey, J, Icahn School of Medicine at Mount Sinai*
- 119 Acute stroke, thrombolytics and litigation: reasons physicians get sued *Kwon, B, Brown University*
- 118 Auscultatory Mapping & Chaotic Reconstruction of Cardiovascular Fluid Dynamics Using Unmodified Cell Phone Recordings *Dickens, J, University of Louisville School of Medicine, Department of Emergency Medicine*
- 122 Haloperidol Plus Lorazepam Versus Droperidol Plus Midazolam for the Treatment of Acute Agitation in the Emergency Department *Javed, J, University of Louisville*
- 115 Estimating the public health impact of sudden cardiac arrest in the United States *Coute, R, University of Alabama at Birmingham*

Tuesday, October 26, 2021

10:00 – 11:00

Abstract Session: Infectious Diseases

BCEC 152

- 79 Specific Bacteremia Cut Off and Elevated Procalcitonin associated with Bacteremia and in Hospital Mortality Regardless of Leukocytosis *Barksdale, A, University of Nebraska Medical Center*
- 80 THROMBOELASTIC PROFILES OF PATIENTS WITH CORONAVIRUS (COVID-19) PNEUMONIA. *Stuart, S, Naval Medical Center Portsmouth*
- 81 Metabolic syndrome is associated with worse outcomes in SARS-CoV-2 positive emergency department patients *Thoppil, J, UT Southwestern Medical Center*
- 82 The Oropharyngeal Microbiome Predicts Need for Respiratory Support Among COVID19 Patients *Bradley, E, University of Massachusetts Medical School*
- 83 Assessment of a cellular host response test as a sepsis diagnostic for patients presenting to the Emergency Department suspected of respiratory infections in the setting of a pandemic *O'Neal, H, LSU Healthcare Network*
- 84 A Randomized Control Trial of a Multiplex Gastrointestinal PCR Panel versus Usual Testing to Assess Use of Antibiotics for Patients with Infectious Diarrhea in the Emergency Department (RAPID) *Meltzer, A, George Washington University School of Medicine & Health Sciences*

Abstract Session: Quality Improvement/Patient Safety

BCEC 154

- 85 Differences in Emergency Department Use Among Cancer Patients Who Have Used an Oncology Urgent Care Clinic *Nguyen, A, UT Southwestern Medical School*
- 86 Comparison of Mortality in Emergency Department Patients with Immediate versus Delayed Hypotension *Makonnen, N, University of Virginia*
- 87 Emergency Radiology Overreads Change Management of Transferred Patients with Traumatic Injuries *Vrablik, M, University of Washington Department of Emergency Medicine*

Content up to date as of 9/30/2021. Please check the ACEP21 conference app for the most up-to-date information.

- 88 PIECES: Performing Interviews With Clinicians Regarding Emergency Shared Decision-making A qualitative analysis of clinicians' use of shared decision-making aids in the ED *Billah, T, Icahn School of Medicine at Mount Sinai*
- 89 Frequency of intubation for acute stroke and associated outcomes among Medicare beneficiaries in the United States *Burke, L, Beth Israel Deaconess Medical Center/Harvard Medical School*
- 90 Potential to Improve Treatment Decision Time with the Early Sepsis Indicator, Monocyte Distribution Width, in Patients Presenting to the Emergency Department with Suspicion of Infection *Benham, M, Baylor Scott & White Medical Center – Temple*

Abstract Session: Social Determinants of Health

BCEC 157

- 91 Access To Care For Emergency Care Sensitive Conditions In Brazil: A Geographic Information System Approach *Isaacson, J, Duke University School of Medicine*
- 93 EMF Understanding the relationship between the ED built environment and physician burnout through high fidelity virtual reality modeling *Fields, J, Thomas Jefferson University*
- 95 Assessment of social determinants of health and linkage to care within the UMassMemorial Medical Center emergency department *Modi, P, University of Massachusetts Medical School*
- 96 Promoting Goal-Concordant Care in the Emergency Department: A Quality Improvement Initiative that Promotes Adherence with prior Do Not Attempt Resuscitation Orders *Loffredo, A, Cedars-Sinai Medical Center*
- 94 EMF COVID-19 Infection Experiences And Social Determinants Of Health In North Carolina - A Qualitative Analysis *Seidenfeld, J, Duke University School of Medicine*

11:00 – 12:00

Abstract Session: Cardiovascular (ACS and non-ACS)

BCEC 152

- 97 Evaluation Of Provider Assessment Of Clinical History When Using The HEART Score *Gopaul, R, Penn State Milton S. Hershey Medical Center*
- 98 HEART, EDACS, and TIMI: Little value after high-sensitivity troponin testing. *Peacock, W, Baylor College of Medicine*
- 99 major adverse cardiac events associated with standard testing in evaluation of low risk chest pain patients: systematic review and meta-analysis *Mehta, P, UT Southwestern Medical Center*
- 101 EMF Clinical Factors Associated with Significant Coronary Lesions Following Out-Of-Hospital Cardiac Arrest *Helper, D, Perelman School of Medicine, University of Pennsylvania*
- 102 Detection of Acute Coronary Syndrome by Magnetocardiography *Mace, S, Cleveland Clinic*
- 100 Two thirds of Patients with Acute Coronary Syndrome in High Risk Chest Pain Having Negative First Conventional Troponin *Faramand, Z, University of Pittsburgh Medical Center*

Abstract Session: Telemedicine/Informatics

BCEC 154

- 104 Barriers and facilitators to implementation of a regional disaster teleconsultation system for New England hospitals and emergency departments *Boyle, T, Boston Medical Center*

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- 105 Piloting a Novel Medical Student Virtual Discharge Counseling Process in the Time of COVID *Lin, Y, NYU Langone Health*
- 106 Usage of Pediatric Telehealth by U.S. Emergency Departments in 2019 *Boggs, K, Massachusetts General Hospital*
- 107 Real-Time Computer Vision TTE Analytics using Existing Ultrasound Workflows *Dash, D, Stanford University*
- 108 ED Crowding Resulting from a Local Health System Cyberattack *Tolia, V, University of California, San Diego*

Abstract Session: Trauma

BCEC 157

- 109 Novel Weapons Employed during Recent Civil Disturbances in Washington, DC *Milani, E, George Washington University School of Medicine*
- 110 Incidental Radiology Findings on Computed Tomography Studies in Emergency Department Patients: A Systematic Review and Meta-Analysis *Evans, C, University of North Carolina at Chapel Hill*
- 111 Safe Gun Storage and Risk of Pediatric Firearm Suicide *Keenan, K, Cohen Children's Medical Center - Northwell Health*
- 112 A Geographical Analysis of Access to Trauma Care From U.S. National Parks in 2018 *Robichaud, S, Massachusetts General Hospital*
- 113 Not Another Mass Casualty: Using Simulation to Increase Physician Comfort With The Unique Challenges of Protest Medicine *Kolli, S, Jacobi Medical Center, Montefiore Medical Center, Albert Einstein College of Medicine*
- 114 Marine Activities Registry (MAR): Characteristics of Non-Motorized Ocean Sport Activities and Associated Injuries in San Diego, California *Coffey, C, University of California San Diego Health*

12:00 – 2:00

EMF and Awards Showcase

BCEC 159

- 115 EMF Estimating the public health impact of sudden cardiac arrest in the United States *Coute, R, University of Alabama at Birmingham*
- 116 EMF Association of Varying Care Coordination Strategies in the Emergency Department with Return Visits *Denham, A, University of Rochester*
- 117 EMF Trends in High-Intensity Billing and Visit Complexity of Treat-and-Release ED Visits in the US, 2006-2018 *Janke, A, Yale School of Medicine*
- 2020 Awardee - A Geriatric Assessment Program in the Emergency Department is Associated with Increased Discharge Rate and Decreased Hospital Length of Stay *Keene, S, Beaumont Hospital - Royal Oak*
- National Outstanding Contribution in Research - Awardee Presentation *Idris, A, University of Texas Southwestern Medical School*

2:00 – 3:00

State-of-the-Art II: Palliative Care: "How" Is Now the Right Question

Content up to date as of 9/30/2021. Please check the ACEP21 conference app for the most up-to-date information.

BCEC 157

Goett, R, Kraus, C, Wang, D

3:00 – 4:00

Plenary Session II: New and Noteworthy

BCEC 157

- 118 Auscultatory Mapping & Chaotic Reconstruction of Cardiovascular Fluid Dynamics Using Unmodified Cell Phone Recordings *Dickens, J, University of Louisville School of Medicine, Department of Emergency Medicine*
- 119 Acute stroke, thrombolytics and litigation: reasons physicians get sued *Kwon, B, Brown University*
- 120 A rapid host-protein signature based on TRAIL, IP-10 and CRP permits accurate differentiation of bacterial and viral infection in febrile patients presenting to the Emergency Department (ED): Apollo sub-study *Rothman, R, Johns Hopkins University*
- 121 Embedding Palliative Consultants in the ED Creates Significant Value for Healthcare Systems *Wang, D, Scripps Health*
- 122 Haloperidol Plus Lorazepam Versus Droperidol Plus Midazolam for the Treatment of Acute Agitation in the Emergency Department *Javed, J, University of Louisville*

4:00 – 5:00

Abstract Session: Ultrasound

BCEC 152

- 123 Deep-Learning Generated B-Line Score Mirrors Clinical Progression Of Disease For Patients Admitted With Shortness Of Breath Or Hypoxia *Baloescu, C, Yale University School of Medicine*
- 124 Comparison Of First-Pass Peripheral Intravenous Cannulation Using A Handheld Ultrasound Device To Using A Traditional High-End Ultrasound System: A Randomized Controlled Trial *Gulati, U, Inspira Health Network*
- 125 Cardiac Parasternal long axis (PSLA) view in isolation: is it good enough to identify pericardial effusion, LV dysfunction and RV dilation? *Herbert, A, Indiana University*
- 126 Making AI Lemonade out of Data Lemons: Adaptation of a Public Apical Window Echo Database for Creation of a Subcostal Automatic Visual Ejection Fraction Estimation Tool *Blaivas, M, University of South Carolina School of Medicine*
- 127 Bubble Time: Assessing Right Ventricular Function with Point of Care Ultrasonography Using Saline Flushes *Puri, A, NSUH*
- 128 Assessing Renal Resistive Index as a Predictor of Acute Kidney Injury in Patients with Sepsis *Haverty, J, NSUH*

Abstract Session: Administrative/Practice Management

BCEC 154

- 129 Anti-Racism Culture and Attitudes Across the Emergency Department: The Need for Widespread Education *Barber-Doucet, H, Alpert Medical School, Brown University*
- 130 The Team is Not Okay: Multidisciplinary Violence in Emergency Departments across a Health System *McGuire, S, Mayo Clinic*

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- 131 Staff Perception of Preparedness to Handle Workplace Violence in Emergency Departments across a Health System *McGuire, S, Mayo Clinic*
- 132 Faculty Procedural Skills in Academic Emergency Medicine: A Multisite Survey *Pokrajac, N, Stanford University*
- 133 Quantitative Assessment of the impact of a Triage Physician on ACGME Resident Milestones in the Emergency Department *Grossman, D, Maimonides Medical Center*

Abstract Session: Diagnostics

BCEC 157

- 136 Spin Cycle: Diagnosis and Treatment of Vertigo in the Emergency Department Setting *Burkard, D, Spectrum Health*
- 137 Multi-Center Analysis of Point-of-Care Ultrasound in the Diagnosis of Small Bowel Obstruction and Prediction of Surgical Intervention *Dickerson, K, Harvard Affiliated Emergency Medicine Residency, Harvard Medical School*
- 138 Deep Learning Tool for Automatic B-Line Detection and Localization in Lung Point-of-Care Ultrasound *Duggan, N, Harvard Affiliated Emergency Medicine Residency Program*
- 139 Creating an Automated Artificial Intelligence Left Ventricular Ejection Fraction Estimator for Parasternal Long Axis Scans from Unrelated Apical Window Echo Videos *Blaivas, M, University of South Carolina School of Medicine*
- 140 Patient Performed Thoracic Lung Ultrasound *McFadden, K, Massachusetts General Hospital*

Wednesday, October 27, 2021

9:00 – 10:00

Abstract Session: Public Health/Injury Prevention

BCEC 152

- 141 Effectiveness of De-escalation Training in the Emergency Department *Hartley, M, Penn State College of Medicine*
- 143 EMF Acute and Recurrent Firearm Injury Rates Among Patients Presenting to St. Louis Level I Trauma Hospitals from 2010-2019 *Mueller, K, Washington University in St. Louis School of Medicine*
- 144 Should teachers carry guns in schools? An Emergency Department survey of parents' opinion and potential solutions *Morrissey, K, Albany Medical Center, New York*
- 145 Characteristics and Three-Month Outcomes of Individuals Presenting to the Emergency Department after Physical Assault *Jones, C, Department of Emergency Medicine, Cooper Medical School of Rowan University*
- 146 Impact of Implementation of a New Weapons Screening at an Urban Emergency Department *Vilke, G, University of California, San Diego*

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Abstract Session: Wellness/Wellbeing

BCEC 154

- 147 An Exploratory Study Investigating the Use of a Resident-Driven Virtual Webinar Series for Residency Program Recruitment *Vaswani, S, Maimonides Medical Center*
- 148 Typing speed and accuracy as neurocognitive measures of emergency medicine resident physician fatigue *Ghattas, F, St. Luke's University Hospital*
- 151 Analyzing Sleep By Shift Recorded On Fitbit Devices Worn By Emergency Medicine Residents *Hafycz, J, St. Luke's University Health Network Bethlehem*
- 152 Resident and Faculty Views About the Future of the Emergency Medicine Specialty *Lashkari, A*

Abstract Session: Simulation/Education

BCEC 157

- 153 Impact of Quality Improvement Curriculum on Intensive Care Unit Upgrades by Resident Physicians *Bohman, S, UT Southwestern Medical Center*
- 154 Getting Down to Business: The Creation and Implementation of a Novel Business Curriculum for Emergency Medicine Residents *Stark, N, University of California San Francisco*
- 156 An Innovative Virtual ECG curriculum to Address Clinical Experience Gaps in Fourth-Year Medical Students Due to COVID-19 *Shang, D, Maimonides Medical Center*
- 158 TraffickED and TraumatizED: The effectiveness of a human trafficking seminar in building confidence in trauma-informed care *Shah, N, Rush University Medical Center*

9:00 – 11:00 am

Editor's Pearls –Tips to Get Your Paper through Peer Review

BCEC 159

Barrett, T, Cooper, R, Greenberg, M, Kraus, C, Lagina, A

10:00 – 11:00

Abstract Session: Disaster Medicine/EMS

BCEC 152

- 159 Modified Early Warning Score (MEWS)-Enhanced Emergency Department Flow Process *Greenberg, M, Lehigh Valley Hospital and Health Network/USF Morsani College of Medicine*
- 160 Home Pulse Oximetry Monitoring for Patients with Suspected COVID-19: A Pilot Assessment of Patient Engagement and Compliance *Annous, Y, University of Maryland School of Medicine*
- 162 Regional Emergency Department Census Impacts During a Cyber Attack *Dameff, C, University of California San Diego*
- 164 Correlation of prehospital Los Angeles Motor Score to hospital stroke severity as measured by the National Institutes of Stroke Scale *Stead, T, Trinity Preparatory School*

Abstract Session: Geriatrics/Palliative

BCEC 154

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- 165 What Matters' in the ED: older adults' desires and clinicians' beliefs *Gettel, C, Yale School of Medicine*
- 167 The PEAGE Study: Patient Experience After Geriatric Evaluation *Fisher, R, Beaumont Health System*
- 169 Increased Physical and Occupational Therapy Evaluations in Emergency Department Observation Unit Geriatric Patients After Implementation of a Quality Improvement Tool Does Not Impact Length of Stay *Joyner, L, Ascension St. John Hospital*
- 170 Emergency Department Chief Complaints among Older Adults with and without Alzheimer's Disease or Related Dementias in years before and after diagnosis *Augustine, M, Icahn School of Medicine at Mount Sinai*

Abstract Session: Health Care Policy/ Health Service Research

BCEC 157

- 171 The future of value-based emergency care: development of a framework for emergency medicine performance-based payment *Gettel, C, Yale School of Medicine*
- 172 A Granular View of Emergency Department Length of Stay: Improving Predictive Power and Extracting Actionable Insights *Canellas, M, University of Massachusetts Department of Emergency Medicine*
- 173 Predicted Impact of an Emergency Department Influenza Vaccine Program *Simon, E, Cleveland Clinic Akron General*
- 174 Modeling the Value of an Emergency Department Influenza Vaccination Program *Sayles, S, Cleveland Clinic Akron General*
- 176 Emergency Department Visits for Low-Acuity Conditions and Primary Care: Substitutes or Complements in Medicaid? *Denham, A, University of Rochester*

11:00 – 12:00

Abstract Session: Late-Breaking/Basic Science

BCEC 152

- 179 Association of CX3CR1 and Myeloid-derived Suppressor Cell with Survival of Sepsis Patients and Risk of Acute Respiratory Distress Syndrome *Li, L, Emergency Department of SunYet-sen Memorial Hospital of SunYet-sen University*
- 181 Impact of Extreme Temperatures on Hemostatic Gauzes Using Thromboelastography *Treager, C, Naval Medical Center Portsmouth*
- 300 Mortality Impact of Physician Supervision on Non-physician Clinician Care in a Rural Ugandan Emergency Department *Leff, R, School of Medicine, Faculty of Health Sciences, Ben-Gurion University of the Negev*

Abstract Session: Education

BCEC 154

- 183 Preliminary Results of Assessing Cognitive Load During Procedure Training *Alshiakh, S, George Washington University*
- 184 Understanding Emergency Medicine Residency Programs' Scholarly Activity Requirement Implementation - a Mixed Methods Approach *Pickering, A, University of Maryland School of Medicine, Department of Emergency Medicine*

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- 185 Impact of Virtual Simulation to Teach EMS Personnel Respiratory Failure Management During the COVID-19 Pandemic *McNally, K, University of Central Florida College of Medicine/HCA*
- 186 Low frequency, high complexity: skill retention following proficiency-based transesophageal echocardiography simulation training *Ablordeppey, E, Washington University*
- 187 An Assessment of a Diversity, Inclusion, and Racial Equity Curriculum in Emergency Medicine Residency Training *Dissanayake, V, Rush University Medical Center*
- 188 Implementation of a Telemedicine Student Clinic *Lyon, M, Augusta University*

Abstract Session: Trauma/Surgery

BCEC 157

- 189 Anterior Ankle Surface Pressures in Lower Extremity Splints – Minimizing Insult After Injury *Mell, K, University of Michigan Medical School*
- 190 Rapid Trauma Evaluation *Aslani-Amoli, B, INOVA Fairfax Hospital*
- 191 Comparing Cost, Risk Factors, and Rates of Return in Immediate versus Delayed Cholecystectomy for Emergency Department patients with Biliary Colic using Statewide Linked Datasets *Makutonin, M, George Washington University School of Medicine and Health Sciences*
- 192 Non-obstetric Vulvovaginal Lacerations: Evaluation and Emergency Management *Busman, M, Spectrum Health - Michigan State University Emergency Medicine Residency Program*
- 193 NEXUS Criteria are Neither Sensitive Nor Specific for Cervical Spine Injury in Geriatric Falls *McMahon, K, St. Luke's University Health Network*
- 194 Challenging the dogma of radiographs a joint above and below a suspected fracture: Quantification of waste in wrist fracture evaluation *Rozum, M, University of Texas Southwestern Medical Center*

12:00 – 1:00

State-of-the-Art III: Emergency Medicine Geriatric Research

BCEC 157

Carpenter, C, Goldberg, E, Hwang, U, Pearson, C

1:00 – 2:00

Plenary Session III: Practice Changing Emergency Research

BCEC 157

- 196 The Impact of Covid-19 on the Specificity of D-Dimer for Pulmonary Embolism *Elberts, S, Thomas Jefferson University Hospital*
- 197 Emergency Medicine Development Around the World: An Analysis of 2019 American College of Emergency Physicians (ACEP) International Ambassador Country Reports *Banks, M, Louisiana State University Health Sciences Center*
- 198 Neuropsychiatric Effects of Cannabis Toxicity in the Emergency Department: A Community-based Study *Leach, E, Department of Emergency Medicine, Spectrum Health Hospitals*

Content up to date as of 9/30/2021. Please check the ACEP21 conference app for the most up-to-date information.

- 199 Extended-Release Injectable Buprenorphine for Emergency Department Patients with Opioid Use Disorder in Minimal Withdrawal *D'Onofrio, G, Yale University School of Medicine*

2:00 – 3:00

Abstract Session: Resuscitation/Critical Care/Cardiology

BCEC 152

- 200 Gender Bias Influences Attending's Asked to Interpret EKGs in the Emergency Department *Kazemzadeh, S, The Brody School of Medicine at East Carolina University*
- 201 Effect of Gender, Race, and Ethnicity on Duration of Resuscitative Efforts following OHCA *Finch, N, University of California at San Diego*
- 202 All Initial High Sensitivity Cardiac Troponin I Values are Prognostic For 28 Day Survival In Coronavirus-19 Disease Patients *Nowak, R, Henry Ford Health System*
- 203 An Ensemble Learning Approach to Predict Non-ST-segment Elevation Myocardial Infarction in Patients with Clinical Concerns for Acute Coronary Syndrome *Miller, J, Henry Ford Hospital*
- 204 A Higher Initial VExUS Score is Associated with Inferior Outcomes in Septic Emergency Department Patients *Zhao, J, Northwell Health*
- 205 Arterial Doppler Ultrasound to Improve Detection of ROSC in Cardiac Arrest *Nello, A, NSUH*

Abstract Session: Public Health/Injury/Illness Prevention

BCEC 154

- 206 Development and validation of a simple clinical prediction tool to identify individuals in the emergency department at high risk of posttraumatic stress disorder after motor vehicle collision *McLean, S, Institute of Trauma Recovery, University of North Carolina at Chapel Hill*
- 207 Associations between alcohol use and adverse posttraumatic neuropsychiatric sequelae in the early aftermath of trauma *Beaudoin, F, Department of Emergency Medicine & Department of Health Services, Policy, and Practice, The Alpert Medical School of Brown University*
- 208 Alternatives to Opioids (ALTO) in the Emergency Department: The Henry Ford Health System Experience *Joyce, K, Henry Ford Hospital*
- 209 Seroprevalence of anti-SARS CoV-2 Nucleocapsid IgG in a Cohort of Healthcare Workers Over Nine Months *Tiffany, B, Dignity Health Research Institute Arizona/Dignity Health Arizona General Hospital*

Abstract Session: Pain Management

BCEC 157

- 212 Rethinking Ondansetron as a First Line Agent for Nausea and Vomiting in the Setting of Abdominal Pain and Headache in the Emergency Department *Din, P, Department of Emergency Medicine, Truman Medical Center/UMKC School of Medicine, Kansas City, MO*
- 213 Evaluation Of A Multidisciplinary Electronic Discharge Medication Prescribing Process In An Academic Center's Emergency Department *Young, B, Nebraska Medicine*
- 214 Preliminary Results From An Emergency Department Pain Coach Service And Discharge Toolkit Pilot Project During COVID-19 *Hendry, P, University of Florida College of Medicine – Jacksonville*

Content up to date as of 9/30/2021. Please check the ACEP21 conference app for the most up-to-date information.

- 216 EMF Variability in Instructions and Prescriptions Upon Discharge from an Emergency Department after Bullet Related Injury *Hayes, J, Washington University School of Medicine in St. Louis*
- 217 Establishing an Ultrasound-Guided Regional Anesthesia Training Curriculum for Emergency Physicians *Walsh, C, Harvard Affiliated Emergency Medicine Residency Program*

3:00 – 4:00

Abstract Session: Addiction Medicine

BCEC 152

- 218 Online social listening surveillance for earlier insights about loperamide abuse/misuse, 2015-2021 *Tringale, M, Consumer Healthcare Products Association (CHPA)*
- 219 A Non-Inferiority Trial of Peer Recovery Coaches for Screening, Brief Intervention and Referral to Treatment for Substance Use Disorders via In-Person versus Telehealth Interviews *Berhane, B, University Of Maryland, Capital Region Health*
- 220 An Exploratory Study of Medical Students' Knowledge, Attitudes, and Perceptions of Treating Patients with Addiction *Gamez, S.*
- 221 Changes in Emergency Department visits for Opioid-Related Diagnosis, Opioid Overdose and Buprenorphine Use across 14 US Emergency Departments During the SARS-CoV-2 Pandemic *Hawk, K, Yale University*
- 222 Preliminary Results of PAMI-ED ALT: An Emergency Department Opioid-Alternatives Program *Schmitzberger, M*
- 223 The Impact of a Community Tour on Incoming Residents During Orientation at an Inner-City Hospital *Lupicki, K, Lincoln Medical Center*

Abstract Session: Diversity, Sex & Race

BCEC 154

- 224 Gender Coding in Job Advertisements for Academic, Non-academic, and Leadership Positions in Emergency Medicine *O'Brien, K, St. Luke's University Health Network*
- 225 Advancing Representation in Emergency Medicine: A Large-Scale Virtual National Diversity Mentoring Initiative *Alvarez, A, Stanford University*
- 226 Patient sex and race as independent predictors of HEART score documentation by emergency medicine providers *Dunn, E, St. Luke's University Health Network*
- 227 Gender Coding in Physician Job Advertisements and Sex Disparities in Medical and Surgical Fields *O'Brien, K, St. Luke's University Health Network*
- 228 Sex and Racial Visual Representation in Emergency Medicine Textbooks: A Call to Action to Dismantle the Hidden Curriculum against Diversity in Medicine *Kalantari, A, Penn State Health Milton S Hershey Medical Center*
- 229 Women have higher ICH scores than men at initial ED presentation for intracerebral hemorrhage *Shameem, M, Zucker School of Medicine at Hofstra/Northwell*

Abstract Session: Pain Management

BCEC 157

- 230 Ultrasound-Guided Serratus Anterior Plane Block (SAPB) Improves Pain Control in Patients with Rib Fractures *Kring, R, Maine Medical Center*

Content up to date as of 9/30/2021. Please check the ACEP21 conference app for the most up-to-date information.

- 231 The tolerability and effectiveness of duloxetine for the prevention of persistent musculoskeletal pain after trauma and injury: A pilot three-group randomized controlled trial *DeLomba, W, Rhode Island Hospital*
- 233 Utilization of Clinical Informatics to Transform Emergency Department Data into a Simplified Reporting System to Highlight Emergency Department Analgesic Prescribing Practices *Ahmed, R, Maimonides Medical Center*
- 234 Epidemiology of Emergency Department Pediatric and Adolescent Opioid Use across the United States *Selby, S, Department of Emergency Medicine, Mayo Clinic, Rochester, Minnesota, USA*
- 235 Embedding Quick Response (QR) Codes In Printed Discharge Instructions To Deliver Easily Accessible Multimedia Resources *Shrake, R, Department of Emergency Medicine, University of California San Diego*

4:00 – 5:00

Prime Time Practice Changers: Highlights of the Research Forum

BCEC 157

Gordon, R, Greenberg, M, Lagina, A, Lin, M, Pearson, C

Thursday, October 28, 2021

9:00 – 10:00

Abstract Session: Addiction Medicine

BCEC 152

- 236 Buprenorphine treatment persistence and healthcare expenditures: a retrospective claims study. *McManus, J, Augusta University*
- 237 Urine Toxicology Profiles of Adult Emergency Department Patients with Untreated Opioid Use Disorder: National Data from 26 Emergency Departments *Cowan, E, Icahn School of Medicine at Mount Sinai*
- 238 Antibiotic and Opioid Antitussive Prescribing Among Urgent Care and Emergency Department Visits for Respiratory Diagnoses *Zakharevich, M, Northwestern University Feinberg School of Medicine*
- 239 Evaluating the Role of Recovery Capital on Willingness to Enter Treatment for Emergency Department Patients with Opioid Use Disorders *Cho, D, Brown Alpert Medical School*
- 240 An Investigation into the Link between Naloxone and Pulmonary Edema *Acus, K, Cleveland Clinic Akron General*
- 241 Are emergency department patients started on medications for opioid use disorder when admitted? *Collins, C, MUSC*

Abstract Session: Wellness

BCEC 154

- 243 Comparing Moods Amongst Emergency Medicine Residents Based on Shift Times and Rotation *Jacobs, C, St. Luke's University Health Network Bethlehem*

Content up to date as of 9/30/2021. Please check the ACEP21 conference app for the most up-to-date information.

- 244 Effect of Physician Burnout on Perception of Physician Empathy *Cygan, L, New York Presbyterian Brooklyn Methodist*
- 245 Fitbit Recorded Exercise and Activity in Emergency Medicine Residents *Petra, V, SLUHN*
- 246 Comparing Caffeine Usage and Sleep Amongst Emergency Medicine Residents Based on Shift Times *Hafycz, J, St. Luke's University Health Network Bethlehem*

Abstract Session: Quality and Health Care Policy

BCEC 157

- 248 Analysis of Albuterol Prescriptions Written by Emergency Medical Providers for the Treatment of Pediatric Patients with Acute Asthma Exacerbation *Bright, T, SUNY Upstate Medical University*
- 249 Quality of Care Associated with the Transition to Independent Non-Physician Clinician Care in a Low- and Middle-Income Country Emergency Department *Laurence, C, Department of Emergency Medicine, University of Cincinnati*
- 250 Clinical Pharmacist Screening and Intervention on Penicillin Use in the Emergency Department Among Patients with a Stated History of Penicillin Allergy *Clark, A, South Shore University Hospital Northwell Health*
- 251 Effectiveness of Emergency Department Initiated Glycemic Control *Hasan, S, AdventHealthEastOrlando*
- 253 Non-interruptive Clinical Decision Support Improves Ordering of Inhaled Corticosteroids for Asthma Exacerbations Discharged from Emergency Department *Hossain, R, The MetroHealth System*

10:00 – 11:00

Abstract Session: Administration

BCEC 152

- 254 How Do Emergency Physicians Consider Cost in Comparison with Other Factors When Prescribing Medications to Patients Discharged from The Emergency Department? *Lorenzen, B, Kaiser San Diego/Southern California Permanente Medical Group*
- 257 The Universe of Existing Measures of Emergency Physician and Emergency Department Performance: Results from a Scoping Review *Berdahl, C, Cedars-Sinai Medical Center*
- 258 EMF Urgent Care Centers Deter Some Emergency Department Visits But, On Net, Increase Spending *Friedman, A, University of Pennsylvania*
- 259 Improving Emergency Medicine Order Effectiveness: A Comprehensive Revision of the "Quick List" Order Model *Hart, C, Vanderbilt University Medical Center*

Abstract Session: Social Determinants of Health

BCEC 154

- 260 EMF Racial & Ethnic Disparities in Access to Pediatric Trauma Centers in the US *Burdick, K, University of Massachusetts Medical School*
- 261 Social Determinants of Health Screening During COVID-19: A Comparison Between an Urban Academic Emergency Department Fast Track and Adult Primary Care Clinic *Hong, H, Boston Medical Center*
- 262 An emergency department-based response to the hepatitis A outbreak in Michigan: improving hepatitis A vaccination rates in high-risk populations *Bukhsh, M, Beaumont Hospital - Royal Oak*

Content up to date as of 9/30/2021. Please check the ACEP21 conference app for the most up-to-date information.

- 263 UNderstanding EQUity in Crisis Standards of Care (the UNEQUAL Crisis Study) Cleveland *Marshall, A*
- 264 Racial Inequities in Emergency Department Administration of Buprenorphine and Methadone Among Patients with Opioid Use Disorder *Wesienthal, K, Boston Medical Center*
- 265 A Multi-State Study of Racial Disparities During the US COVID-19 Pandemic: Opportunities for Prevention and Intervention *Hardin, B, University of Michigan, Dearborn*

Abstract Session: Venous Thromboembolism
BCEC 157

- 268 Impact of Concerning CT Imaging Findings on the Management and Outcomes of Acute Emergency Department Pulmonary Embolism with Low-Risk Stratification Scores *O'Hare, C, University of Michigan*
- 271 Limitations of Pulmonary Embolism Risk Stratification Guides: Patients May Be Sicker Than They Appear *Beam, D, Indiana University School of Medicine*

11:00 – 12:00

Abstract Session: Pediatrics
BCEC 152

- 274 Characteristics of Intracranial Injury in Pediatric Patients in the National Emergency X-Radiography Utilization Study *Akie, T, UCLA Department of Emergency Medicine, Ronald Reagan UCLA Medical Center*
- 275 Association of Nucleated Red Blood Cells with Outcomes for Children in the Emergency Department *Gearhart, A, Boston Children's Hospital*
- 276 Emergency Department Visits for Pediatric Infectious Conditions Decrease After COVID-19 *Amin, N, Atlantic Health System*
- 277 The Utility of Holter Monitors in Pediatric Patients *Aldalati, A, Mayo Clinic*

Abstract Session: Clinician's Treasure Chest
BCEC 154

- 278 Nasal Foreign Body Removal: Success Rates for Techniques and Devices *Oluwatosin, A, Spectrum Health - Michigan State University Emergency Medicine Residency Program*
- 279 Overdiagnosis of Urinary Tract Infections in the Emergency Department *Childers, R, UC San Diego Health*
- 280 Arterial Line versus Noninvasive Blood Pressure Monitoring in Hypertensive Emergencies *Gelmann, D, University of Maryland School of Medicine*
- 281 The impact of documenting patient weight in kilograms on pediatric medication dosing errors in Emergency Medical Services *Ward, C, Children's National Hospital*
- 282 Efficacy of Performing Erector Spinae Planar and Serratus Anterior Planar Blocks for Rib Fractures in the Emergency Department *Leedekerken, J, Carolinas Medical Center*
- 283 Incidence of and patient characteristics associated with potential delays in diagnosis of spinal epidural abscess *Maciey, S*

Abstract Session: Psychiatry/Telemedicine/Global Health

BCEC 157

- 286 Effect of the COVID-19 Pandemic on ED Adult Psychiatric Visits *Bauman, C, Morristown Medical Center*
- 289 Connecting Patients Diagnosed with HIV in the Emergency Department to Care During the COVID-19 Pandemic *Hagerman, T, Henry Ford Hospital*

Virtual Poster Hall

(Available as on-demand content in the ACEP21 platform)

- 5 Use of emergency medical dispatch protocols improves survival in out of hospital cardiac arrest *Ahmed, A*
- 6 Evaluation of the Shock index for prehospital sepsis recognition *Banerjee, A*
- 12 A Double-Blinded Comparison of Low-Cost Ultrasound Media: A Simulation and In-Vivo Analysis *Choi, H, Kingman Regional Medical Center*
- 13 Impact of an Electronic Decision Tool for Social Resources upon Discharge - *Grade, M, University of California San Francisco*
- 17 Medical & Social Resources at Emergency Department Discharges: A Prospective Analysis of the Impact of a Volunteer Patient Discharge Initiative on ED Revisits *Thadani, A, Baylor College of Medicine*
- 21 Adjunctive Perampanel for Focal-Onset Seizures and Generalized Tonic-Clonic Seizures: Time to Seizure Onset in Phase III Studies *Malhotra, M, Eisai Inc., Woodcliff Lake, NJ, USA*
- 22 Sustained Seizure Freedom with Perampanel as Adjunctive Therapy or Monotherapy in Open-Label Extension (OLEx) Studies 307, 332, and 342 *Malhotra, M, Eisai Inc., Woodcliff Lake, NJ, USA*
- 23 Prevalence of Covert Brain Infarction in Patients Undergoing Computed Tomography in the Emergency Department *Brown, C, Virginia Commonwealth University, Department of Emergency Medicine*
- 37 The Impact of the Coronavirus (COVID-19) Pandemic on Access to Care and Basic Necessities of Emergency Department Patients with Opioid Use Disorders who are Linked to Treatment *Shamsie, I, Rutgers New Jersey Medical School, Department of Emergency Medicine*
- 38 Risk factors of sepsis among patients with qSOFA<2 in the emergency department. *Shibata, J, Faculty of Medicine, The University of Tokyo, Japan*
- 40 Trajectories of Vital Signs and Risk of Cardiac Arrest in the Emergency Department *Tsai, C, National Taiwan University Hospital*
- 44 A Mixed-Methods Audit Program to Improve Data Quality within a Global Health Trauma Outcomes Research Study *Dymond, C, Denver Health Medical Center*
- 48 Health Beliefs Regarding Social Determinants of Health Screening in the Emergency Department *Fiorino, C, Duke University School of Medicine*
- 54 The Cafeteria: A Surprising Source of Wellness *Unruh, L, Cook County Health*

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- 56 Modified Diagnostic Strategy for Suspected Pulmonary Embolism: a cluster crossover noninferiority European trial. Freund, Y, Hôpital Pitié-Salpêtrière
- 61 Gestalt in Acute Trauma: Evaluating clinician accuracy in predicting abdominal injuries among trauma patients Rodriguez, N, University of California, San Francisco
- 64 Characteristics of femoral fractures and accompanied fall-related injuries Ishizawa, R, Department of Emergency and Critical Care Medicine, National Hospital Organization Tokyo Medical Center
- 92 High Touch, High Trust- Addressing ED High Utilizers through Community Health Advocates and Legal Experts Narayan, K, Brigham and Women's Hospital
- 103 Providing Post Emergency Care (ProPER Care) Virtually Vitto, C, Virginia Commonwealth University
- 134 A Code Staff Assist for Acutely Agitated Patients Reduces the Incidence of Patient and Staff Safety Events Choe, B, *UCLA Health, Department of Emergency Medicine*
- 135 Acceptance and barriers of AI-based decision support systems in emergency departments: a quantitative and qualitative evaluation Fujimori, R, Faculty of Medicine, The University of Tokyo
- 142 Assessing healthcare provider knowledge of human trafficking. McAmis, N, Stanford University
- 149 Examining the Relationship Between Markers of Emergency Department Crowding and Physician Wellbeing Hein, C, Maine Medical Center
- 150 Do residents on duty have access to healthy food options? Thakkar, P, Cook County Health
- 155 Procedural Skill Maintenance: Perspectives and Motivations of Pediatric Emergency Medicine Faculty Lin-Martore, M, University of California, San Francisco (UCSF)
- 161 Community Based Prehospital Care Project: Providing a Low-Barrier-to-Access Care Model for Those Experiencing Homelessness in an Urban Environment Hansen, J, Maine Medical Center
- 163 Study Design Influences Effect Size: Systematic Review & Meta-Analysis of Mobile Integrated Health Community Paramedicine Programs' Effect on ED Visits Lurie, T, University of Maryland School of Medicine
- 168 Advanced Age as a Risk Factor for Acute Mountain Sickness Small, E, Department of Emergency Medicine, Stanford University School of Medicine
- 175 A National Study of Barriers and Facilitators of Expedited Partner Therapy Use in Emergency Departments: A Qualitative Study Solnick, R, University of Michigan, Michigan Medicine, Department of Emergency Medicine
- 177 Aerosol delivery evaluation of a vibrating mesh nebulizer and a jet nebulizer during breath actuated and continuous nebulization modes in spontaneously breathing adult and pediatric models Dailey, P, Aerogen Ltd.
- 178 Safety Comparison of Antibiotics Administered via Intravenous Push versus Intravenous Piggyback to Adult Patients in the Emergency Department David, J, Kirk Kerkorian School of Medicine at UNLV
- 180 Disparities in distribution of PulsePoint responders and potential impacts on pandemic response in underserved communities of Allegheny County Osigwe, C, University of Pittsburgh School of Medicine
- 195 Nebulized Ketamine at 3 Different Dosing Regimens for Painful Conditions in the Emergency Department Davis, A, Maimonides Medical Center

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- 210 Assessment of Emergency Department Health Care Providers' Readiness for Intimate Partner Violence Screening and Correlation with Cultural Competence Lutz, K, The University of North Carolina at Chapel Hill School of Nursing
- 215 Emergency Department Acupuncture for Acute Musculoskeletal Pain Management Eucker, S, Duke University
- 232 A Randomized Controlled Trial on Virtual Reality Use as a Distraction Technique for Orthopedic Injuries Requiring Sedation Bedner, A, Arnold Palmer Hospital for Children
- 247 Identifying Factors that Contribute to Joy and Gratitude for Emergency Medicine Healthcare Workers Amidst the COVID-19 Pandemic Kelker, H, Indiana University School of Medicine
- 252 Utilization of Intermediate Care Technicians to Administer Geriatric Emergency Department Patient Screenings Basrai, Z, VA Greater Los Angeles Healthcare System
- 256 Improving Access to Clinical Guidelines: Focus on the End User Dhanoa, J, Department of Emergency Medicine, University of California San Francisco
- 266 Gender differences among patients undergoing PERT Evaluation: The Role of Point of Care Echo Singla, R, Thomas Jefferson University Hospital
- 267 Development and Validation of a Prognostic Tool: Pulmonary Embolism Short-term Clinical Outcomes Risk Estimation (PE-SCORE) Raper, J, Department of Emergency Medicine, University of Alabama at Birmingham
- 269 Added Prognostic Value of Right Ventricular Dysfunction Assessments Thomas, A, Department of Emergency Medicine, Carolinas Medical Center
- 270 Echocardiography Predictors of Acute Clinical Deterioration After Pulmonary Embolism Fraga, D, Carolinas Medical Center
- 272 Fractures in Young Children: Abuse or Accident? There's An App For That Smith, A, Ann & Robert H. Lurie Children's Hospital of Chicago
- 285 National Survey Of Emergency Physicians: Motivations, Barriers, And Capabilities For Telehealth Delivery Of Emergency Care Services Biese, K, UNC School of Medicine
- 287 Association between comorbid mental illness and preceding emergency department visits in unplanned admissions Okuma, A, Yowa Hospital
- 288 Assessing the Performance of Clinical Diagnostic Models for Dehydration among Patients with Cholera and Undernutrition in Bangladesh Gainey, M, Rhode Island Hospital
- 291 Utility Of Measuring Serum Creatinine To Detect Renal Compromise In ED Patients Receiving IV Contrast-Enhanced CT Scan Molyneaux , K, Mount Sinai Medical Center
- 293 Barriers in Telephone CPR Instruction by 911 Dispatchers for Out of Hospital Cardiac Arrest Before and During the COVID-19 Pandemic Arnold, E, University of Southern California
- 294 Medical student opinions about clinical education policies during the COVID-19 pandemic. Smith, I, St. Luke's University Hospital
- 295 Positive Cognition Screening a Geriatric Emergency Department Kreshak , A, University of California, San Diego
- 296 A Bayesian Approach to Predicting Outcomes During the Initial COVID-19 Outbreak Nelson , J, University of Michigan Medical School
- 297 Emergency visit trends for pediatric anaphylaxis in southeast Michigan M Patek, P, Beaumont Department of Pediatric Emergency Medicine
- 298 Factors Associated with Provider Shift Experience in an Academic Pediatric Emergency Department: A Novel Shift Satisfaction Score Senken, , Indiana University School of Medicine
- 299 The Diagnostic Value of D-dimer Levels for the Exclusion of Aortic Dissection Hashemi, M, Kendall Regional Medical Center

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- 301 Understanding emergency medical services provider comfort and education in caring for pediatric patients Wing , S, Boston University School of Medicine
- 303 The interrater reliability of venous excess ultrasound score by emergency physicians Bielawa, N, Northwell Health
- 304 Lack of Early Left Ventricular Outflow Tract Velocity Time Integral Estimated Volume Responsiveness is Associated with Increased Morbidity and Mortality Pettet, D, Northwell Health
- 305 The Frequency of Point-of-Care Ultrasound Use in the Treatment of Sepsis in the Emergency Department: A Retrospective Cohort Study Dalla Betta, M, Kaiser Permanente San Diego
- 306 EMF Defining the learning curve for first trimester ultrasound image interpretation skills for emergency physicians Stolz, L, University of Cincinnati
- 307 The A to E (ABCDE) Pit Crew Model: A Novel Approach to Team Based Care of Critical Patients in the Prehospital Setting Patel, P, University of Central Florida College of Medicine
- 308 Implementation of an influenza vaccination program is a feasible and effective public health tool in the emergency department Mendoza, C, University of North Carolina School of Medicine
- 309 Impact of Pharmacist-Led Stewardship Intervention on Appropriate Antibiotic Selection in the Emergency Department: A Systematic Review and Meta-analysis Kooda, K, Mayo Clinic
- 310 The Evaluation of the Emergency Department GoodRx Prescription Discount Card Distribution Program Vaswani, S, Maimonides Medical Center
- 311 Pediatric emergency departments more accurately diagnose appendicitis using ultrasound Van Woy, L, Kaiser Permanente San Diego
- 312 Compliance With Head Injury Imaging Guidelines for Adolescent Trauma Patients: Difference Between Adult and Pediatric Trauma Teams Jonsson, B, Mayo Clinic
- 313 A Team-Based Learning Approach to Reimbursement and Billing Education for Emergency Medicine Residents Turner, A, Baylor College of Medicine
- 314 Association between the shorter length of stay in emergency department and the use of propofol among patients required procedural sedation and analgesia. Shigeno, A, Tokyo Bay Urayasu Ichikawa Medical Center
- 315 Does an elevated troponin really matter? An assessment of outcomes in patients presenting to the emerge with non-cardiac complaints Endres, K, University of Ottawa
- 316 Agents of Exposure in Transgender Patient Cases Managed by a Toxicologist: An Analysis of the Toxicology Investigator's Consortium (Toxic) Registry Hardy, O, Lehigh Valley Health Network/University of South Florida Morsani College of Medicine, Lehigh Valley Campus, Allentown, PA
- 317 Interprofessional Simulation Event Improved Learner Familiarity and Confidence With Emergency Medical Services Lippert, J, University of Nebraska Medical Center
- 318 Virtual Open House: A Novel Community-Building Initiative in an Emergency Medicine Residency Program Vongsachang, H, Los Angeles County + University of Southern California
- 319 Inter-rater Agreement and Reliability of the HEART Score History Sub-Section Oliver, J, Department of Emergency Medicine, Madigan Army Medical Center
- 321 Low Fidelity In-Situ Field Simulations versus High Fidelity Center-Based Simulations: Paramedic Student Perspectives Garcia, S, Department of Emergency Medicine, Mayo Clinic College of Medicine and Science, Rochester, MN
- 322 Novel Quality Assessment Methodology in Focused Cardiac Ultrasound Weltler, A, Virginia Commonwealth University Medical Center

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- 323 Risk Factors, Management Strategies, and Outcomes in Patients with Isolated Parafalcine or Tentorial Subdural Hematomas Wagle, A, UPMC Hamot Department of Emergency Medicine
- 324 Piloting of a Toolkit for Delirium Detection and Management at Four Emergency Departments Weaver, E, West Health
- 325 The Role of Point of Care Ultrasound in the Diagnosis and Management of Shoulder Dislocation Gronbeck, K, University of Nebraska Medical Center
- 326 Resident Attitudes Towards Performing Pelvic Exams in the Emergency Department Sarma, D, Beth Israel Deaconess Medical Center
- 327 Development of a Violent Injury Predictive Risk Score for Adolescents Li, B, Denver Health Medical Center
- 328 Time to Resident Signature Predicts Attending Completion of Ultrasound Documentation Mink, J, ChristianaCare Health System
- 329 Patient Characteristics Associated with use of Emergency Department Self-Check-In Kiosks Slovis, B, Department of Emergency Medicine, Office of Clinical Informatics, Thomas Jefferson University
- 330 Teaching Goals of Care to Medical Students through Conversation Games Liebow, J, Rutgers New Jersey Medical School
- 331 Evaluation of Triage Screening for Influenza Vaccination Status in the Emergency Department Simon, E, Cleveland Clinic Akron General
- 332 Point-of-Care Ultrasound Decreases Time to Intervention for Patients with Pericardial Effusions Hoch, V, University of Michigan
- 333 Emergency Medicine Residencies that Accept the COMLEX Are Different from Those That Do Not: A Cross-Sectional Analysis of EMRA Match Nikolla, D, Department of Emergency Medicine, St. Joseph Mercy Ann Arbor Hospital, University of Michigan Medical School, Ann Arbor, MI
- 334 Teachability of the Ultrasound-Guided Erector Spinae Plane Block to Emergency Physicians Perese, J, Loma Linda University Medical Center
- 335 Emergency Severity Index Triage Equivalency To Sort Assess Life Saving Interventions Treatment And Transport Disaster Triage Wexler, B, WellSpan York Hospital
- 336 Pediatric Emergency Department Visits in US Hospitals Across 2019 and 2020 Sharma, D, American College of Emergency Physicians
- 337 Real World Implementation of Adult Brain Injury Guidelines (BIG) at a Level I Trauma Center Slattery, D, UNLV School of Medicine Department of Emergency Medicine
- 338 Comparison of emergency department utilization & throughput between male and female patients: a retrospective cohort investigation Onal, E, Department of Bioengineering, University of Illinois at Urbana-Champaign, Urbana, Illinois, USA and Summer Foundations in Research Fellow, Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic College of Medicine and Science, Rochester, Minnesota, USA
- 339 The Integrative Feedback Tool: Assessing a Novel Feedback Tool Among Emergency Medicine Residents Gore, K, Rush University Medical Center
- 341 All Over the Road: A Systematic Review of Mobile Integrated Health, Community Paramedicine Programs Adibhatla, S, University of Maryland School of Medicine
- 342 Pre-Hospital Ultrasound Quality Assurance Harris, C, Baylor College of Medicine
- 343 Prospective Blinded Comparison of Diagnostic Accuracy and Speed of 2DUS and Low-Cost 3DUS in Simulated Obstetric and Gynecologic Cases Giuliano, J, Duke University School of Medicine

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- 344 Qualitative Description of Synchronous Online Discussions During Weekly Academic Conference Hill, J, University of Cincinnati
- 345 Delirium Prevention and Treatment in the Emergency Department (ED): A Systematic Review Lee, S, The University of Iowa Carver College of Medicine
- 346 Mariner Self-Classification of Contact-Type with COVID-19 Index Case and Subsequent Infection on Ships Rutenberg, A, George Washington University
- 347 The Effect of Electronic Assignment of Patients to Physicians in the Emergency Department on Operational Metrics Lorenzen, B, Kaiser San Diego/Southern California Permanente Medical Group
- 348 Undiagnosed Mental Health Issues are Common in Emergency Department Patients with Vague Presenting Complaints East, N, Brody School of Medicine at East Carolina University
- 349 Utilization of an Antibrogram and a Pathway for Urinary Tract Infections in a Pediatric Emergency Department to Improve Empiric Antimicrobial Treatment: A Quality Improvement Project Russ, A, University of Arkansas for Medical Sciences/Arkansas Children's Hospital
- 350 Feasibility of Implementing a Dedicated Emergency Department Pain Team from a Financial Standpoint Bubic, I, UC San Diego
- 351 Can the Centor score be used effectively via Telehealth? Hood, C, George Washington University
- 352 Virtual Etiquette: A Closer Look at Emergency Medicine Didactics in the Age of COVID Shah, P, Beaumont Health System
- 353 RELIABILITY OF NURSE-PERFORMED LUNG ULTRASONOGRAPHY OF SUSPECTED COVID-19 PATIENTS AT THE EMERGENCY DEPARTMENT TRIAGE: A SINGLE CENTER STUDY Evangelista-Gonzales, R, St. Luke's Medical Center-Quezon City Department of Emergency Medicine
- 354 Decreased Emergency Department Utilization by Lower Socioeconomic Status Population as a Result of the COVID-19 Pandemic Plumber, A, University of Texas at Southwestern
- 355 The role of noninvasive, end-tidal capnography in prehospital sepsis identification Hoke, R, Emory
- 356 EMF Shame and Error in EMS: A Qualitative Analysis of Culture and Attitudes in Prehospital Emergency Care Hoff, J, Duke University Hospital Emergency Medicine
- 357 Evaluation of an Automated Fall-Risk Screening and Referral Program Maru, A, University of Wisconsin-Madison, Madison, Wisconsin, USA
- 358 Induction Agent and Peri-intubation Hypotension in Patients with Elevated Shock Index, A Retrospective Cohort Analysis Comparing Etomidate and Ketamine Foster, M, University of California at San Diego Health System
- 359 Emergency Department Buprenorphine Initiation: A Qualitative Study of Attending Physician Attitudes, Beliefs and Practices Shastry, S, Icahn School of Medicine at Mount Sinai
- 360 Safety and Depth of Sedation with Ketamine alone versus Ketamine with Midazolam in Pediatric Fracture Reduction: A Retrospective Chart Review Wells, K, SUNY Upstate Medical University
- 361 Analyzing Risk Factors for Readmission in a Mobile Integrated Health – Community Paramedicine Population Brady, N, University of Maryland School of Medicine
- 362 Acceptability of a Novel Smartphone Application as a Patient Engagement Tool in the Emergency Department McUmber, H, Tufts University School of Medicine
- 363 Fire Department Cancer Risk Exposure Reduction Project Popescu, C, University of Arizona College of Medicine - Phoenix
- 364 Increasing the Rate of Successful Referrals From Emergency Departments to a Community-Based Clinic Hayes, J, Washington University School of Medicine in St. Louis

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- 365 Emergency Department Visits for Ovarian and Testicular Torsion After the Arrival of Covid-19 Espinosa, C, Morristown Medical Center
- 366 Detroit City Mass Vaccination Site Template Leamon, A, Henry Ford Health System
- 367 Rural Rates of Hepatitis C (HCV) Within an ED Based Universal Screening Program Moschella, P, Prisma Health: Upstate Affiliate
- 369 Point-of-Care Ultrasound Escape Rooms: Innovative Game Based Training of Emergency Medicine Residents Posaw, L, University of Miami/Jackson Health Systems
- 370 Trends in Emergency Department Patients' Payment Method by Ethnicity from 2014-2018 Aragon Sierra, A, Mayo Clinic Alix School of Medicine
- 371 Emergency Medicine Physician First Pass Intubation Success is Similar in Inpatient Settings and the Emergency Department Falaas, K, University of Minnesota Medical School- Twin Cities
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- 385 Effect of routine bedside echo and code echo experience on image acquisition time during cardiac arrest Vega, C, U Mass Memorial
- 386 Prevalence of abnormal uterine bleeding in a multicenter implementation study using apixaban and rivaroxaban to treat venous thromboembolism Hayward, I, West Virginia University
- 387 Outcome Predictors of Interhospital Transferred Patients to Emergency General Surgery Service: Does Transfer Location Matter? Cave, B, University of Maryland School of Medicine, Baltimore, Maryland

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